

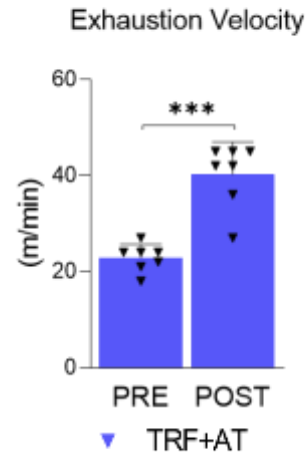
Full data of the article

Title: *Integration of 12-Hour Time-Restricted Feeding with Exercise Training Potentiates Weight Loss and Attenuates MASLD in Diet-Induced Obese Mice*

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Figure 2

A.



PRE	POST
22.0	45.0
18.0	45.0
21.0	36.0
24.0	45.0
24.0	27.0
24.0	42.0
27.0	42.0

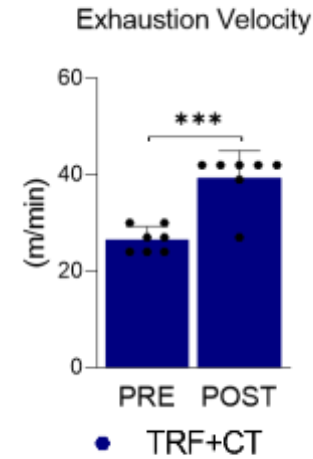
Shapiro-Wilk test

W	0.9462	0.7718
P value	0.6953	0.0213
Passed normality test (alpha=0.05)?	Yes	No
P value summary	ns	*

Paired t test

P value	0.0010
P value summary	***
Significantly different (P < 0.05)?	Yes
One- or two-tailed P value?	Two-tailed
t, df	t=5.989, df=6
Number of pairs	7

B.



PRE	POST
27	42
27	42
30	42
30	42
24	42
24	27
24	39

Shapiro-Wilk test

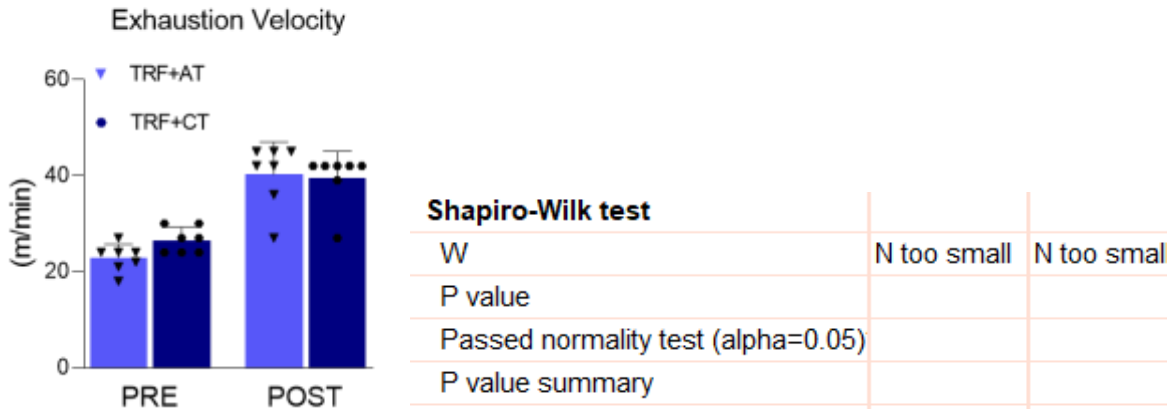
W	0.8181	0.5603
P value	0.0616	<0.0001
Passed normality test (alpha=0.05)?	Yes	No
P value summary	ns	****

Paired t test

P value	0.0004
P value summary	***
Significantly different (P < 0.05)?	Yes
One- or two-tailed P value?	Two-tailed
t, df	t=7.071, df=6
Number of pairs	7

Figure 2

C.



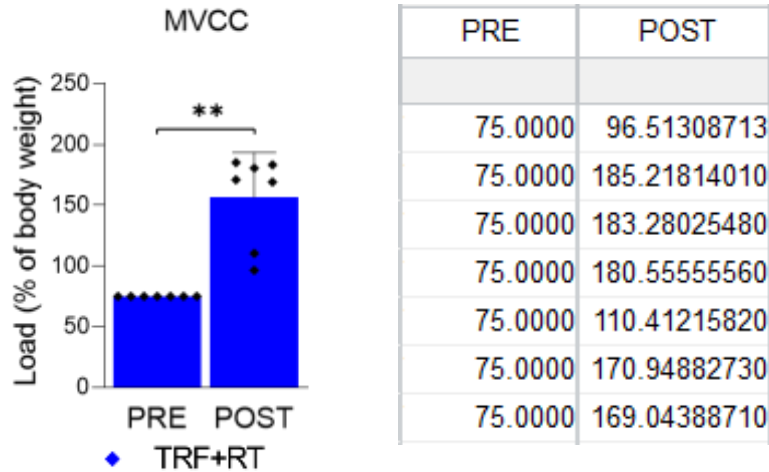
TRF+AT								
	A:Y1	A:Y2	A:Y3	A:Y4	A:Y5	A:Y6	A:Y7	A:Y8
PRE	22.0	18.0	21.0	24.0	24.0	24.0	27.0	
POST	45.0	45.0	36.0	45.0	27.0	42.0	42.0	

TRF+CT								
	B:Y1	B:Y2	B:Y3	B:Y4	B:Y5	B:Y6	B:Y7	B:Y8
PRE	27	27	30	30	24	24	24	
POST	42	42	42	42	42	27	39	

2way ANOVA
Multiple comparisons

Sidak's multiple con	Mean Diff.	95.00% CI of diff.	Significant?	Summary	Adjusted P Value
TRA+AT - TRA+CT					
PRE	-3.714	-9.805 to 2.376	No	ns	0.2923
POST	0.8571	-5.233 to 6.948	No	ns	0.9324

D.

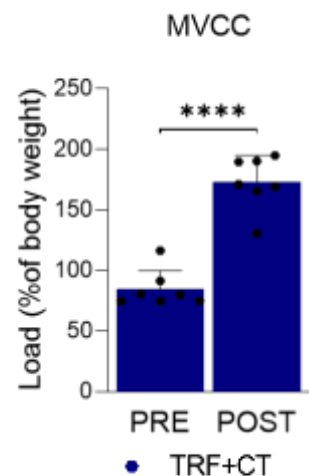


Shapiro-Wilk test		
W	Invalid input data	0.7598
P value		0.0161
Passed normality test (alpha=0.05)?		No
P value summary		*

Paired t test	
P value	0.0011
P value summary	**
Significantly different (P < 0.05)?	Yes
One- or two-tailed P value?	Two-tailed
t, df	t=5.834, df=6
Number of pairs	7

Figure 2

E.



PRE	POST
80.26685393	171.29629630
75.00000000	131.13305610
91.47748078	194.89342810
116.37217720	189.64199520
75.00000000	190.28028930
75.00000000	169.48818900
80.90086546	166.00101110

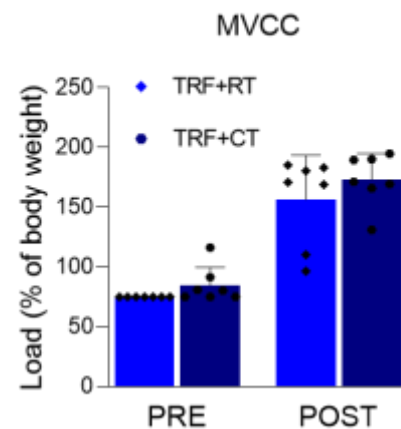
Shapiro-Wilk test

W	0.7317	0.8682
P value	0.0081	0.1791
Passed normality test (alpha=0.05)?	No	Yes
P value summary	**	ns

Paired t test

P value	<0.0001
P value summary	****
Significantly different (P < 0.05)?	Yes
One- or two-tailed P value?	Two-tailed
t, df	t=12.01, df=6
Number of pairs	7

F.



Shapiro-Wilk test

W	N too small	N too small
P value		
Passed normality test (alpha=0.05)?		
P value summary		

		TRF+RT							
		A:Y1	A:Y2	A:Y3	A:Y4	A:Y5	A:Y6	A:Y7	A:Y8
PRE		75.00000000	75.00000000	75.00000000	75.00000000	75.00000000	75.00000000	75.00000000	
POST		96.51308713	185.2181401	183.2802548	180.5555556	110.4121582	170.9488273	169.0438871	

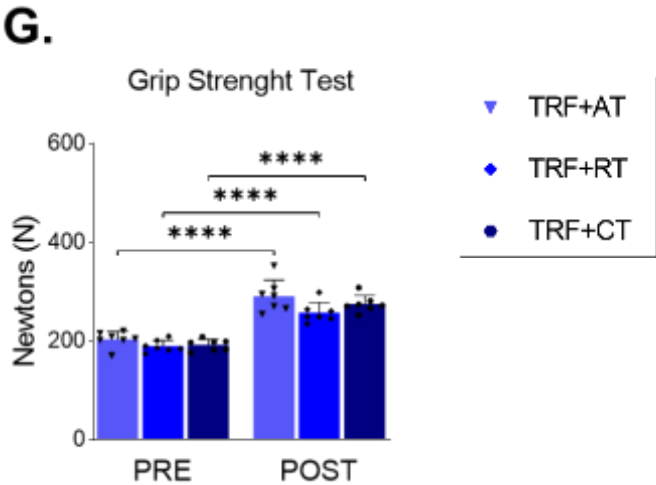
		TRF+CT							
		B:Y1	B:Y2	B:Y3	B:Y4	B:Y5	B:Y6	B:Y7	B:Y8
PRE		80.26685393	75.00000000	91.47748078	116.37217720	75.00000000	75.00000000	80.90086546	
POST		171.29629630	131.13305610	194.89342810	189.64199520	190.2802893	169.4881890	166.00101110	

2way ANOVA

Multiple comparisons

Sidak's multiple con	Mean Diff.	95.00% CI of diff.	Significant?	Summary	Adjusted P Value
TRF+RT - TRF+CT					
PRÉ	-9.860	-38.89 to 19.17	No	ns	0.6704
PÓS	-16.68	-45.71 to 12.35	No	ns	0.3329

Figure 2



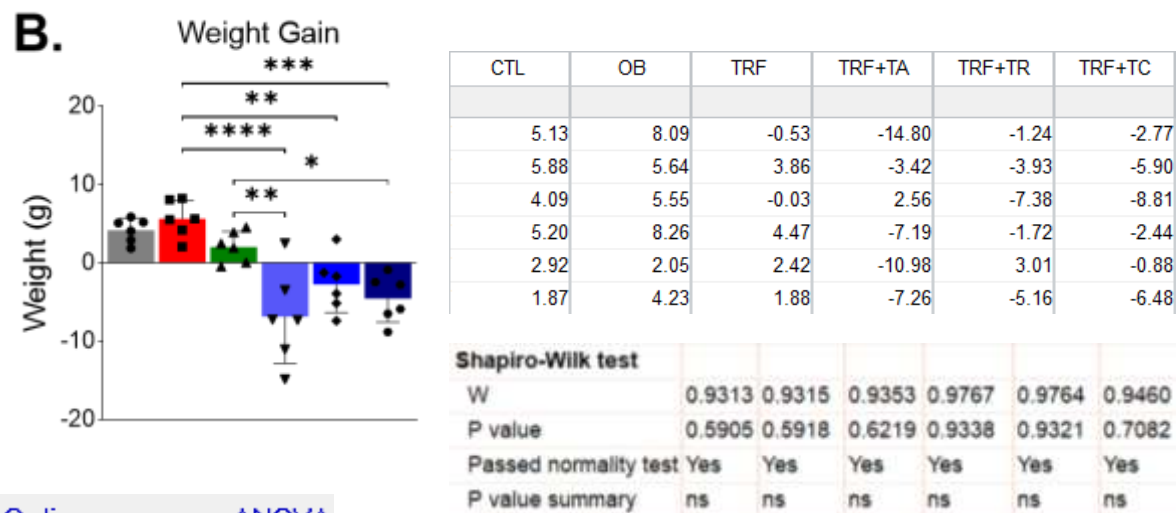
TRF+AT						
D:Y2	D:Y3	D:Y4	D:Y5	D:Y6	D:Y7	D:Y8
209.333	220.6670	215.667	202.333	205.000	170.667	202.333
291.000	266.3333	352.667	270.667	295.000	254.667	306.000

TRF+RT						
E:Y2	E:Y3	E:Y4	E:Y5	E:Y6	E:Y7	E:Y8
184.3330	174.0000	201.3330	209.6670	186.0000	182.0000	190.3330
245.6667	264.3333	235.0000	249.3333	249.3333	260.6667	298.6667

TRF+CT						
F:Y2	F:Y3	F:Y4	F:Y5	F:Y6	F:Y7	F:Y8
198.0000	199.0000	208.6670	176.3330	197.0000	182.3330	182.6670
267.3333	308.0000	270.6667	252.6667	272.3333	274.3333	281.3333

Sidak's multiple comparisons test	Mean Diff.	95.00% CI of diff.	Significant?	Summary	Adjusted P Value
PRÉ - PÓS					
TRF+AT	-87.19	-113.5 to -60.90	Yes	****	<0.0001
TRF+RT	-67.90	-94.19 to -41.62	Yes	****	<0.0001
TRF+CT	-83.24	-109.5 to -56.95	Yes	****	<0.0001

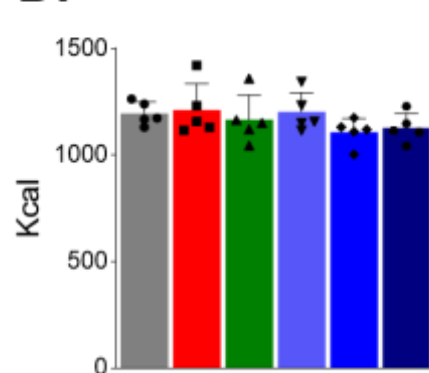
Figure 3



Ordinary one-way ANOVA
ANOVA results

Tukey's multiple comp	Mean Diff.	95.00% CI of diff.	Significant?	Summary
CTL vs. OB	-1.455	-7.458 to 4.548	No	ns
CTL vs. TRF	2.170	-3.833 to 8.173	No	ns
CTL vs. TRF+AT	11.03	5.027 to 17.03	Yes	****
CTL vs. TRF+RT	6.918	0.9152 to 12.92	Yes	*
CTL vs. TRF+CT	8.728	2.725 to 14.73	Yes	**
OB vs. TRF	3.625	-2.378 to 9.628	No	ns
OB vs. TRF+AT	12.49	6.482 to 18.49	Yes	****
OB vs. TRF+RT	8.373	2.370 to 14.38	Yes	**
OB vs. TRF+CT	10.18	4.180 to 16.19	Yes	***
TRF vs. TRF+AT	8.860	2.857 to 14.86	Yes	**
TRF vs. TRF+RT	4.748	-1.255 to 10.75	No	ns
TRF vs. TRF+CT	6.558	0.5552 to 12.56	Yes	*
TRF+AT vs. TRF+RT	-4.112	-10.11 to 1.891	No	ns
TRF+AT vs. TRF+CT	-2.302	-8.305 to 3.701	No	ns
TRF+RT vs. TRF+CT	1.810	-4.193 to 7.813	No	ns

D. Cumulative Food Intake



	CTL	OB	TRF	TRF+TA	TRF+TR	TRF+TC
	1131.32316	1158.23886	1043.04186	1159.20330	1003.55340	1042.77396
	1263.93234	1421.79888	1119.66126	1153.30950	1175.27730	1229.28594
	1169.73120	1117.35732	1358.57448	1346.78688	1131.55602	1147.57644
	1174.83828	1231.75062	1162.84674	1118.21460	1110.55266	1107.87366
	1241.19534	1130.00220	1149.93396	1235.98344	1121.10792	1115.69634

Shapiro-Wilk test						
W	0.9272	0.8175	0.8873	0.8861	0.8789	0.9661
P value	0.5774	0.1117	0.3438	0.3378	0.3043	0.8498
Passed normality test	Yes	Yes	Yes	Yes	Yes	Yes
P value summary	ns	ns	ns	ns	ns	ns

Ordinary one-way ANOVA
ANOVA results

Tukey's multiple comp	Mean Diff.	95.00% CI of diff.	Significant?	Summary
CTL vs. OB	-15.63	-193.0 to 161.8	No	ns
CTL vs. TRF	29.39	-148.0 to 206.8	No	ns
CTL vs. TRF+AT	-6.495	-183.9 to 170.9	No	ns
CTL vs. TRF+RT	87.79	-89.62 to 265.2	No	ns
CTL vs. TRF+CT	67.56	-109.8 to 245.0	No	ns
OB vs. TRF	45.02	-132.4 to 222.4	No	ns
OB vs. TRF+AT	9.130	-168.3 to 186.5	No	ns
OB vs. TRF+RT	103.4	-73.99 to 280.8	No	ns
OB vs. TRF+CT	83.19	-94.22 to 260.6	No	ns
TRF vs. TRF+AT	-35.89	-213.3 to 141.5	No	ns
TRF vs. TRF+RT	58.40	-119.0 to 235.8	No	ns
TRF vs. TRF+CT	38.17	-139.2 to 215.6	No	ns
TRF+AT vs. TRF+RT	94.29	-83.12 to 271.7	No	ns
TRF+AT vs. TRF+CT	74.06	-103.4 to 251.5	No	ns
TRF+RT vs. TRF+CT	-20.23	-197.6 to 157.2	No	ns

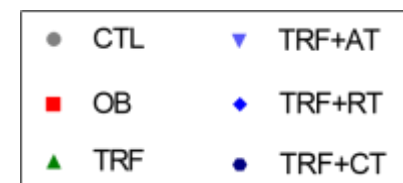
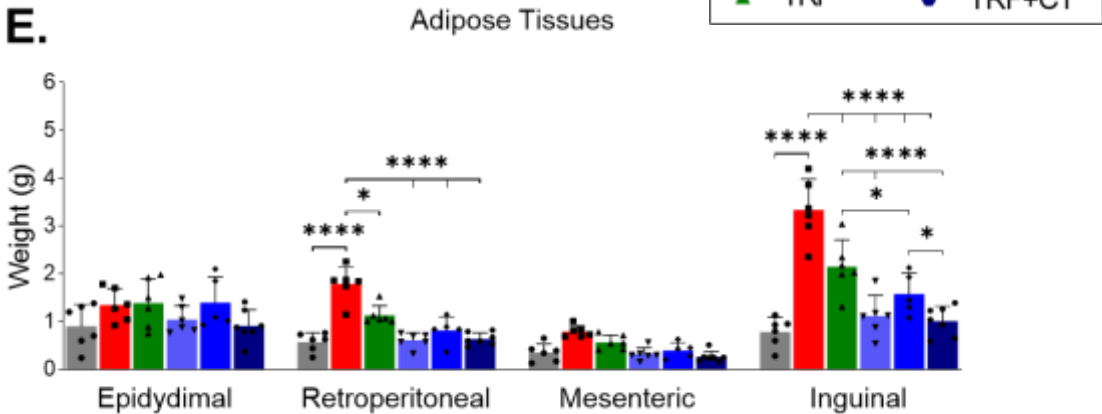


Figure 3



XY	X Title	CTL						
	X	A:Y1	A:Y2	A:Y3	A:Y4	A:Y5	A:Y6	A:Y7
Epididymal		1.31	0.70	0.60	1.38	1.20	0.24	
Retroperitoneal		0.62	0.63	0.44	0.73	0.76	0.25	
Mesenteric		0.34	0.39	0.13	0.65	0.42	0.17	
Inguinal		0.95	0.80	0.60	1.14	0.93	0.28	

XY	X Title	OB					
	X	B:Y2	B:Y3	B:Y4	B:Y5	B:Y6	B:Y7
Epididymal		0.92	1.04	1.36	1.78	1.70	
Retroperitoneal		1.15	2.26	1.86	1.87	1.84	
Mesenteric		0.81	0.69	0.83	1.01	0.73	
Inguinal		3.37	4.20	3.22	3.86	2.36	

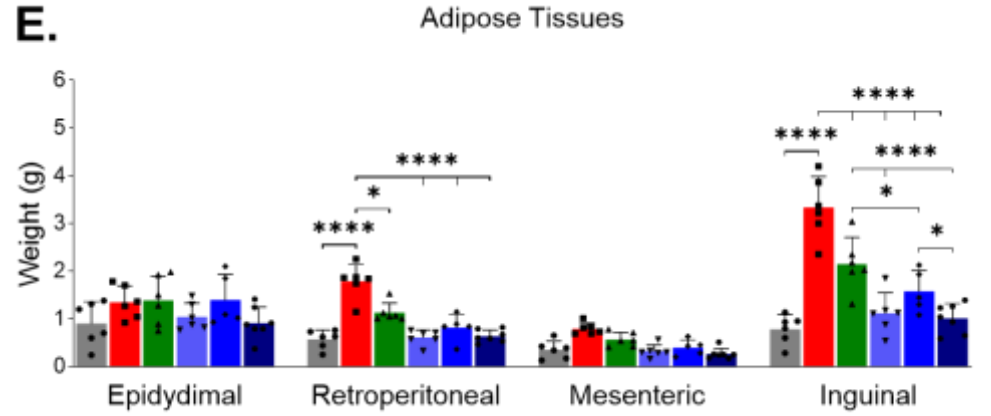
XY	X Title	TRF						
	X	C:Y1	C:Y2	C:Y3	C:Y4	C:Y5	C:Y6	C:Y7
Epididymal		0.75	1.50	1.28	1.98	1.92	0.89	
Retroperitoneal		1.07	1.13	1.05	1.53	1.01	1.01	
Mesenteric		0.41	0.55	0.78	0.71	0.54	0.42	
Inguinal		2.35	1.99	2.03	3.04	1.31	2.18	

XY	X Title	TRF+AT						
	X	D:Y1	D:Y2	D:Y3	D:Y4	D:Y5	D:Y6	D:Y7
Epididymal		1.02	0.88	1.30	0.82	0.77	1.48	
Retroperitoneal		0.33	0.76	0.71	0.58	0.58	0.70	
Mesenteric		0.16	0.57	0.29	0.33	0.30	0.30	
Inguinal		0.54	1.85	1.13	1.11	0.88	1.18	

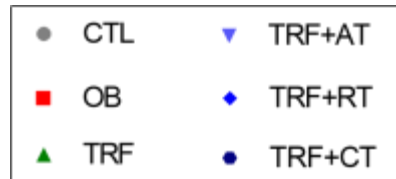
XY	X Title	TRF+RT						
	X	E:Y1	E:Y2	E:Y3	E:Y4	E:Y5	E:Y6	E:Y7
Epididymal		1.02	1.09	0.93	1.85	2.10		
Retroperitoneal		0.84	1.15	0.84	0.89	0.36		
Mesenteric		0.20	0.28	0.45	0.43	0.63		
Inguinal		1.30	1.93	2.13	1.45	1.08		

XY	X Title	TRF+CT						
	X	F:Y1	F:Y2	F:Y3	F:Y4	F:Y5	F:Y6	F:Y7
Epididymal		0.79	0.91	0.88	0.79	0.37	1.41	1.24
Retroperitoneal		0.47	0.59	0.79	0.60	0.67	0.53	0.82
Mesenteric		0.26	0.51	0.18	0.25	0.17	0.25	0.24
Inguinal		0.65	1.04	1.23	0.94	1.39	0.59	1.26

Figure 3



Shapiro-Wilk test						
W	0.9702	0.9266	0.9863	0.9052	0.9372	0.9468
P value	0.8429	0.5744	0.9377	0.4575	0.6371	0.6964
Passed normality test	Yes	Yes	Yes	Yes	Yes	Yes
P value summary	ns	ns	ns	ns	ns	ns



2way ANOVA
Multiple comparisons

Tukey's multiple comp	Mean Diff.	95.00% CI of diff.	Significant?	Summary
Epididymal				
CTL vs. OB	-0.4400	-1.007 to 0.1274	No	ns
CTL vs. TRF	-0.4817	-1.049 to 0.08573	No	ns
CTL vs. TRF+AT	-0.1400	-0.7074 to 0.4274	No	ns
CTL vs. TRF+RT	-0.4667	-1.034 to 0.1007	No	ns
CTL vs. TRF+CT	0.04667	-0.5207 to 0.6141	No	ns
OB vs. TRF	-0.04167	-0.6091 to 0.5257	No	ns
OB vs. TRF+AT	0.3000	-0.2674 to 0.8674	No	ns
OB vs. TRF+RT	-0.02667	-0.5941 to 0.5407	No	ns
OB vs. TRF+CT	0.4867	-0.08073 to 1.054	No	ns
TRF vs. TRF+AT	0.3417	-0.2257 to 0.9091	No	ns
TRF vs. TRF+RT	0.01500	-0.5524 to 0.5824	No	ns
TRF vs. TRF+CT	0.5283	-0.03906 to 1.096	No	ns
TRF+AT vs. TRF+RT	-0.3267	-0.8941 to 0.2407	No	ns
TRF+AT vs. TRF+CT	0.1867	-0.3807 to 0.7541	No	ns
TRF+RT vs. TRF+CT	0.5133	-0.05406 to 1.081	No	ns

2way ANOVA
Multiple comparisons

Tukey's multiple comp	Mean Diff.	95.00% CI of diff.	Significant?	Summary
Mesenteric				
CTL vs. OB	-0.4433	-1.011 to 0.1241	No	ns
CTL vs. TRF	-0.2183	-0.7857 to 0.3491	No	ns
CTL vs. TRF+AT	0.02500	-0.5424 to 0.5924	No	ns
CTL vs. TRF+RT	-0.1167	-0.6841 to 0.4507	No	ns
CTL vs. TRF+CT	0.08000	-0.4874 to 0.6474	No	ns
OB vs. TRF	0.2250	-0.3424 to 0.7924	No	ns
OB vs. TRF+AT	0.4683	-0.09906 to 1.036	No	ns
OB vs. TRF+RT	0.3267	-0.2407 to 0.8941	No	ns
OB vs. TRF+CT	0.5233	-0.04406 to 1.091	No	ns
TRF vs. TRF+AT	0.2433	-0.3241 to 0.8107	No	ns
TRF vs. TRF+RT	0.1017	-0.4657 to 0.6691	No	ns
TRF vs. TRF+CT	0.2983	-0.2691 to 0.8657	No	ns
TRF+AT vs. TRF+RT	-0.1417	-0.7091 to 0.4257	No	ns
TRF+AT vs. TRF+CT	0.05500	-0.5124 to 0.6224	No	ns
TRF+RT vs. TRF+CT	0.1967	-0.3707 to 0.7641	No	ns

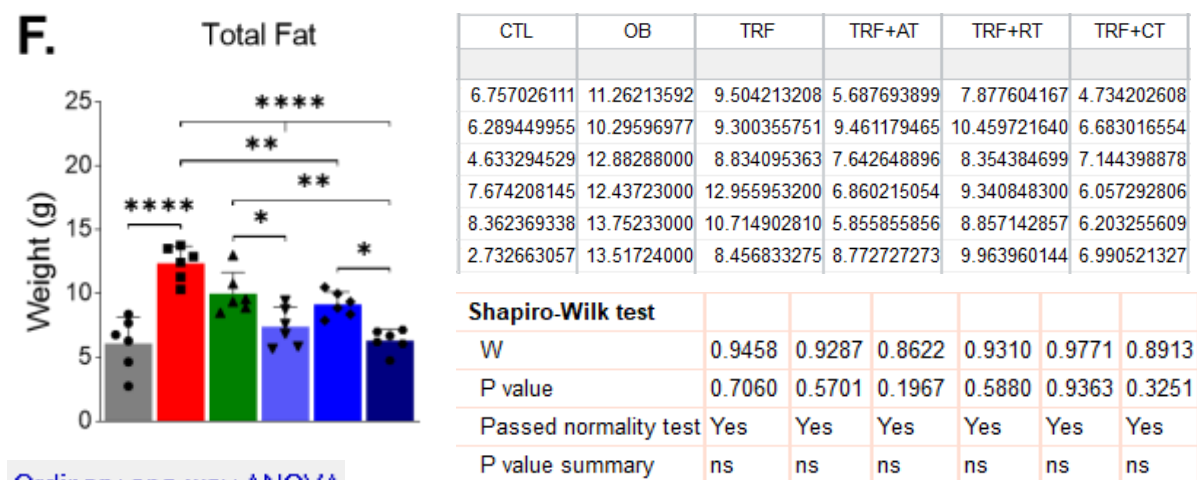
2way ANOVA
Multiple comparisons

Tukey's multiple comp	Mean Diff.	95.00% CI of diff.	Significant?	Summary
Retroperitoneal				
CTL vs. OB	-1.215	-1.782 to -0.6476	Yes	****
CTL vs. TRF	-0.5617	-1.129 to 0.005727	No	ns
CTL vs. TRF+AT	-0.03833	-0.6057 to 0.5291	No	ns
CTL vs. TRF+RT	-0.2633	-0.8307 to 0.3041	No	ns
CTL vs. TRF+CT	-0.03667	-0.6041 to 0.5307	No	ns
OB vs. TRF	0.6533	0.08594 to 1.221	Yes	*
OB vs. TRF+AT	1.177	0.6093 to 1.744	Yes	****
OB vs. TRF+RT	0.9517	0.3843 to 1.519	Yes	****
OB vs. TRF+CT	1.178	0.6109 to 1.746	Yes	****
TRF vs. TRF+AT	0.5233	-0.04406 to 1.091	No	ns
TRF vs. TRF+RT	0.2983	-0.2691 to 0.8657	No	ns
TRF vs. TRF+CT	0.5250	-0.04239 to 1.092	No	ns
TRF+AT vs. TRF+RT	-0.2250	-0.7924 to 0.3424	No	ns
TRF+AT vs. TRF+CT	0.001667	-0.5657 to 0.5691	No	ns
TRF+RT vs. TRF+CT	0.2267	-0.3407 to 0.7941	No	ns

2way ANOVA
Multiple comparisons

Tukey's multiple comp	Mean Diff.	95.00% CI of diff.	Significant?	Summary
Inguinal				
CTL vs. OB	-2.552	-3.119 to -1.984	Yes	****
CTL vs. TRF	-1.367	-1.934 to -0.7993	Yes	****
CTL vs. TRF+AT	-0.3317	-0.8991 to 0.2357	No	ns
CTL vs. TRF+RT	-0.7582	-1.326 to -0.1908	Yes	**
CTL vs. TRF+CT	-0.1900	-0.7574 to 0.3774	No	ns
OB vs. TRF	1.185	0.6176 to 1.752	Yes	****
OB vs. TRF+AT	2.220	1.653 to 2.787	Yes	****
OB vs. TRF+RT	1.794	1.226 to 2.361	Yes	****
OB vs. TRF+CT	2.362	1.794 to 2.929	Yes	****
TRF vs. TRF+AT	1.035	0.4676 to 1.602	Yes	****
TRF vs. TRF+RT	0.6085	0.04111 to 1.176	Yes	*
TRF vs. TRF+CT	1.177	0.6093 to 1.744	Yes	****
TRF+AT vs. TRF+RT	-0.4265	-0.9939 to 0.1409	No	ns
TRF+AT vs. TRF+CT	0.1417	-0.4257 to 0.7091	No	ns
TRF+RT vs. TRF+CT	0.5682	0.0007730 to 1.13	Yes	*

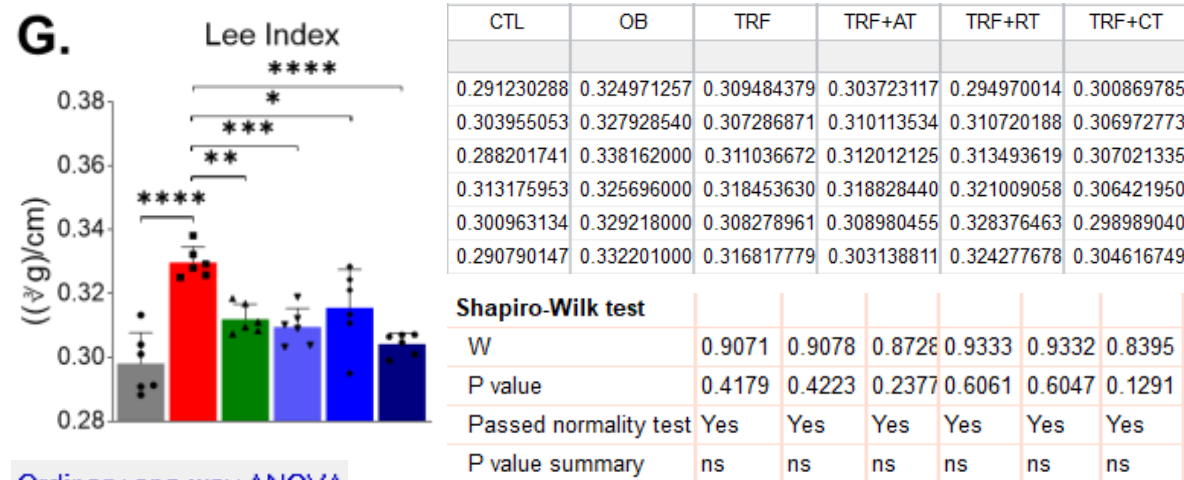
Figure 3



Ordinary one-way ANOVA
ANOVA results

Tukey's multiple com	Mean Diff.	95.00% CI of diff.	Significant?	Summary
CTL vs. OB	-6.283	-8.862 to -3.704	Yes	****
CTL vs. TRF	-3.886	-6.465 to -1.307	Yes	***
CTL vs. TRF+AT	-1.305	-3.884 to 1.274	No	ns
CTL vs. TRF+RT	-3.067	-5.646 to -0.4887	Yes	*
CTL vs. TRF+CT	-0.2273	-2.806 to 2.351	No	ns
OB vs. TRF	2.397	-0.1819 to 4.976	No	ns
OB vs. TRF+AT	4.978	2.399 to 7.557	Yes	****
OB vs. TRF+RT	3.216	0.6369 to 5.794	Yes	***
OB vs. TRF+CT	6.056	3.477 to 8.635	Yes	****
TRF vs. TRF+AT	2.581	0.002239 to 5.160	Yes	*
TRF vs. TRF+RT	0.8188	-1.760 to 3.398	No	ns
TRF vs. TRF+CT	3.659	1.080 to 6.238	Yes	**
TRF+AT vs. TRF+RT	-1.762	-4.341 to 0.8165	No	ns
TRF+AT vs. TRF+CT	1.078	-1.501 to 3.657	No	ns
TRF+RT vs. TRF+CT	2.840	0.2614 to 5.419	Yes	*

- CTL
- OB
- ▲ TRF
- ▼ TRF+AT
- ◆ TRF+RT
- TRF+CT

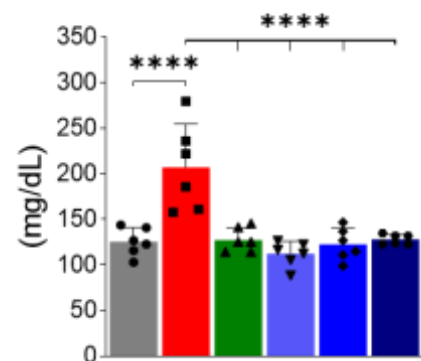


Ordinary one-way ANOVA
ANOVA results

Tukey's multiple com	Mean Diff.	95.00% CI of diff.	Significant?	Summary
CTL vs. OB	-0.03164	-0.04464 to -0.01864	Yes	****
CTL vs. TRF	-0.01384	-0.02684 to -0.0008390	Yes	*
CTL vs. TRF+AT	-0.01141	-0.02441 to 0.001588	No	ns
CTL vs. TRF+RT	-0.01742	-0.03042 to -0.004420	Yes	**
CTL vs. TRF+CT	-0.006096	-0.01910 to 0.006905	No	ns
OB vs. TRF	0.01780	0.004802 to 0.03080	Yes	**
OB vs. TRF+AT	0.02023	0.007229 to 0.03323	Yes	****
OB vs. TRF+RT	0.01422	0.001220 to 0.02722	Yes	*
OB vs. TRF+CT	0.02555	0.01255 to 0.03855	Yes	****
TRF vs. TRF+AT	0.002427	-0.01057 to 0.01543	No	ns
TRF vs. TRF+RT	-0.003581	-0.01658 to 0.009420	No	ns
TRF vs. TRF+CT	0.007744	-0.005257 to 0.02075	No	ns
TRF+AT vs. TRF+RT	-0.006008	-0.01901 to 0.006993	No	ns
TRF+AT vs. TRF+CT	0.005317	-0.007684 to 0.01832	No	ns
TRF+RT vs. TRF+CT	0.01133	-0.001675 to 0.02433	No	ns

Figure 3

H. Fasting Blood Glucose



CTL	OB	TRF	TRF+AT	TRF+RT	TRF+CT
116	158	114	89	147	123
144	186	145	106	115	132
141	236	141	127	137	135
123	161	125	113	111	124
127	280	114	117	127	132
103	222	125	123	99	123

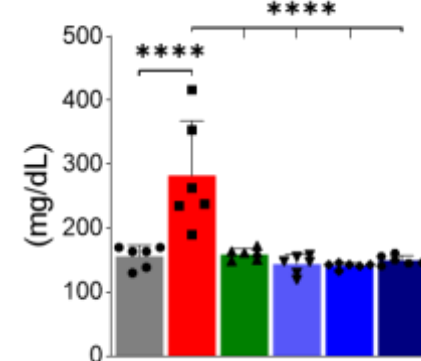
Shapiro-Wilk test						
W	0.9584	0.9286	0.8747	0.9339	0.9789	0.8163
P value	0.8070	0.5690	0.2454	0.6107	0.9461	0.0820
Passed normality test	Yes	Yes	Yes	Yes	Yes	Yes
P value summary	ns	ns	ns	ns	ns	ns

Ordinary one-way ANOVA ANOVA results

Tukey's multiple com	Mean Diff.	95.00% CI of diff.	Significant?	Summary
CTL vs. OB	-81.50	-122.1 to -40.87	Yes	****
CTL vs. TRF	-1.667	-42.30 to 38.96	No	ns
CTL vs. TRF+AT	13.17	-27.46 to 53.80	No	ns
CTL vs. TRF+RT	3.000	-37.63 to 43.63	No	ns
CTL vs. TRF+CT	-2.500	-43.13 to 38.13	No	ns
OB vs. TRF	79.83	39.20 to 120.5	Yes	****
OB vs. TRF+AT	94.67	54.04 to 135.3	Yes	****
OB vs. TRF+RT	84.50	43.87 to 125.1	Yes	****
OB vs. TRF+CT	79.00	38.37 to 119.6	Yes	****
TRF vs. TRF+AT	14.83	-25.80 to 55.46	No	ns
TRF vs. TRF+RT	4.667	-35.96 to 45.30	No	ns
TRF vs. TRF+CT	-0.8333	-41.46 to 39.80	No	ns
TRF+AT vs. TRF+RT	-10.17	-50.80 to 30.46	No	ns
TRF+AT vs. TRF+CT	-15.67	-56.30 to 24.96	No	ns
TRF+RT vs. TRF+CT	-5.500	-46.13 to 35.13	No	ns

- CTL
- OB
- ▲ TRF
- ▼ TRF+AT
- ◆ TRF+RT
- TRF+CT

I. Postprandial Blood Glucose



CTL	OB	TRF	TRF+AT	TRF+RT	TRF+CT
170	263	172	131	143	156
170	190	148	148	133	161
139	417	163	120	143	141
164	354	161	149	143	145
164	238	150	156	146	146
130	235	161	159	141	150

Shapiro-Wilk test						
W	0.7979	0.9063	0.9221	0.8968	0.7997	0.9529
P value	0.0563	0.4124	0.5205	0.3555	0.0584	0.7636
Passed normality test	Yes	Yes	Yes	Yes	Yes	Yes
P value summary	ns	ns	ns	ns	ns	ns

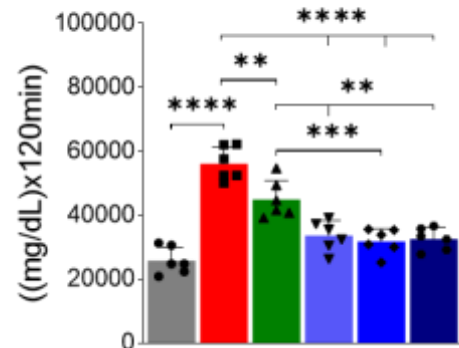
Ordinary one-way ANOVA ANOVA results

Tukey's multiple com	Mean Diff.	95.00% CI of diff.	Significant?	Summary
CTL vs. OB	-126.7	-190.6 to -62.71	Yes	****
CTL vs. TRF	-3.000	-66.95 to 60.95	No	ns
CTL vs. TRF+AT	12.33	-51.62 to 76.29	No	ns
CTL vs. TRF+RT	14.67	-49.29 to 78.62	No	ns
CTL vs. TRF+CT	6.333	-57.62 to 70.29	No	ns
OB vs. TRF	123.7	59.71 to 187.6	Yes	****
OB vs. TRF+AT	139.0	75.05 to 203.0	Yes	****
OB vs. TRF+RT	141.3	77.38 to 205.3	Yes	****
OB vs. TRF+CT	133.0	69.05 to 197.0	Yes	****
TRF vs. TRF+AT	15.33	-48.62 to 79.29	No	ns
TRF vs. TRF+RT	17.67	-46.29 to 81.62	No	ns
TRF vs. TRF+CT	9.333	-54.62 to 73.29	No	ns
TRF+AT vs. TRF+RT	2.333	-61.62 to 66.29	No	ns
TRF+AT vs. TRF+CT	-6.000	-69.95 to 57.95	No	ns
TRF+RT vs. TRF+CT	-8.333	-72.29 to 55.62	No	ns

Figure 3

K.

AUC - GTT



CTL	OB	TRF	TRF+AT	TRF+RT	TRF+CT
20895	50115	40590	26460	25215	33495
24810	52485	49260	32505	30900	29220
24795	57645	39075	39255	33840	36645
31290	62235	54540	30645	30000	27750
30645	62070	44580	35730	35640	35760
22410	52440	41490	37350	35370	32490

Shapiro-Wilk test

W	0.8879	0.8696	0.9083	0.9691	0.9074	0.9409
P value	0.3075	0.2245	0.4255	0.8865	0.4195	0.6664
Passed normality test	Yes	Yes	Yes	Yes	Yes	Yes
P value summary	ns	ns	ns	ns	ns	ns

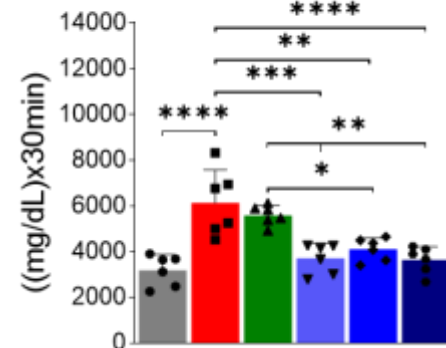
Ordinary one-way ANOVA
ANOVA results

Tukey's multiple com	Mean Diff.	95.00% CI of diff.	Significant?	Summary
CTL vs. OB	-30358	-38581 to -22134	Yes	****
CTL vs. TRF	-19115	-27338 to -10892	Yes	****
CTL vs. TRF+AT	-7850	-16073 to 373.4	No	ns
CTL vs. TRF+RT	-6020	-14243 to 2203	No	ns
CTL vs. TRF+CT	-6753	-14976 to 1471	No	ns
OB vs. TRF	11243	3019 to 19466	Yes	**
OB vs. TRF+AT	22508	14284 to 30731	Yes	****
OB vs. TRF+RT	24338	16114 to 32561	Yes	****
OB vs. TRF+CT	23605	15382 to 31828	Yes	****
TRF vs. TRF+AT	11265	3042 to 19488	Yes	**
TRF vs. TRF+RT	13095	4872 to 21318	Yes	***
TRF vs. TRF+CT	12363	4139 to 20586	Yes	**
TRF+AT vs. TRF+RT	1830	-6393 to 10053	No	ns
TRF+AT vs. TRF+CT	1098	-7126 to 9321	No	ns
TRF+RT vs. TRF+CT	-732.5	-8956 to 7491	No	ns

- CTL
- OB
- ▲ TRF
- ▼ TRF+AT
- ◆ TRF+RT
- TRF+CT

M.

AUC - ITT



CTL	OB	TRF	TRF+AT	TRF+RT	TRF+CT
2257.5	5002.5	5870.0	2802.5	4652.5	4092.5
3645.0	6757.5	4907.5	4285.0	3620.0	4227.5
3907.5	6930.0	5817.5	4175.0	3402.5	2677.5
3122.5	4517.5	5457.5	3682.5	4370.0	3672.5
3680.0	8327.5	6112.5	4270.0	4502.5	3242.5
2477.5	5250.0	5360.0	3025.0	4082.5	3887.5

Shapiro-Wilk test

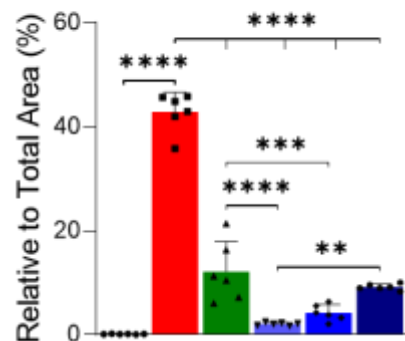
W	0.8905	0.9286	0.9602	0.8413	0.9223	0.9273
P value	0.3210	0.5694	0.8209	0.1337	0.5220	0.5591
Passed normality test	Yes	Yes	Yes	Yes	Yes	Yes
P value summary	ns	ns	ns	ns	ns	ns

Ordinary one-way ANOVA
ANOVA results

Tukey's multiple com	Mean Diff.	95.00% CI of diff.	Significant?	Summary
CTL vs. OB	-2949	-4343 to -1555	Yes	****
CTL vs. TRF	-2406	-3800 to -1012	Yes	***
CTL vs. TRF+AT	-525.0	-1919 to 868.8	No	ns
CTL vs. TRF+RT	-923.3	-2317 to 470.5	No	ns
CTL vs. TRF+CT	-451.7	-1845 to 942.1	No	ns
OB vs. TRF	543.3	-850.5 to 1937	No	ns
OB vs. TRF+AT	2424	1030 to 3818	Yes	***
OB vs. TRF+RT	2026	632.0 to 3420	Yes	**
OB vs. TRF+CT	2498	1104 to 3891	Yes	****
TRF vs. TRF+AT	1881	487.0 to 3275	Yes	**
TRF vs. TRF+RT	1483	88.71 to 2876	Yes	*
TRF vs. TRF+CT	1954	560.4 to 3348	Yes	**
TRF+AT vs. TRF+RT	-398.3	-1792 to 995.5	No	ns
TRF+AT vs. TRF+CT	73.33	-1320 to 1467	No	ns
TRF+RT vs. TRF+CT	471.7	-922.1 to 1865	No	ns

Figure 4

B. Oil Red Staining



CTL	OB	TRF	TRF+AT	TRF+RT	TRF+CT
0.15411	35.8806	7.21478	1.74859	2.05619	8.31213
0.13152	44.9315	6.07455	2.07829	5.59405	10.04260
0.10237	42.9786	16.38280	1.84917	3.84512	8.96455
0.19887	45.7334	10.47340	2.45945	6.38256	9.15679
0.08034	42.0300	11.34710	2.15849	3.25956	8.97899
0.21324	45.8806	21.44020	2.28200	4.27850	9.59888

Shapiro-Wilk test

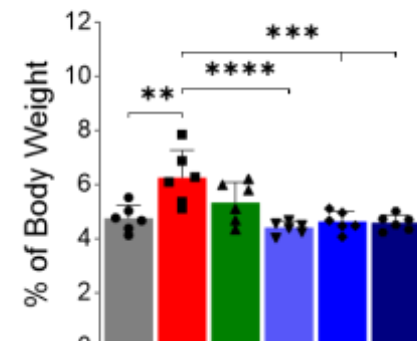
W		0.9503	0.8216	0.9293	0.9729	0.9810	0.9697
P value		0.7430	0.0911	0.5750	0.9113	0.9564	0.8905
Passed normality test	Yes	Yes	Yes	Yes	Yes	Yes	Yes
P value summary	ns	ns	ns	ns	ns	ns	ns

Ordinary one-way ANOVA ANOVA results

Tukey's multiple com	Mean Diff.	95.00% CI of diff.	Significant?	Summary
CTL vs. OB	-42.76	-47.87 to -37.64	Yes	****
CTL vs. TRF	-12.01	-17.12 to -6.894	Yes	****
CTL vs. TRF+AT	-1.949	-7.064 to 3.165	No	ns
CTL vs. TRF+RT	-4.089	-9.204 to 1.025	No	ns
CTL vs. TRF+CT	-9.029	-14.14 to -3.915	Yes	***
OB vs. TRF	30.75	25.64 to 35.86	Yes	****
OB vs. TRF+AT	40.81	35.70 to 45.92	Yes	****
OB vs. TRF+RT	38.67	33.56 to 43.78	Yes	****
OB vs. TRF+CT	33.73	28.62 to 38.84	Yes	****
TRF vs. TRF+AT	10.06	4.945 to 15.17	Yes	****
TRF vs. TRF+RT	7.919	2.805 to 13.03	Yes	***
TRF vs. TRF+CT	2.980	-2.135 to 8.094	No	ns
TRF+AT vs. TRF+RT	-2.140	-7.254 to 2.974	No	ns
TRF+AT vs. TRF+CT	-7.080	-12.19 to -1.965	Yes	**
TRF+RT vs. TRF+CT	-4.940	-10.05 to 0.1747	No	ns

- CTL
- OB
- ▲ TRF
- ▼ TRF+AT
- ◆ TRF+RT
- TRF+CT

C. Relative Weight of Liver



CTL	OB	TRF	TRF+AT	TRF+RT	TRF+CT
4.373716632	7.847896440	4.652908068	4.242681375	4.473684211	4.332998997
4.664141917	6.879722922	5.963069626	4.394002499	4.665798611	5.007554500
5.027051398	5.105105000	6.188765513	4.037448800	4.955714888	4.692307692
4.126696833	5.356545000	5.075705437	4.688172043	4.069545281	4.723376339
4.761904762	6.271713000	4.319654428	4.568854569	4.469387755	4.223493181
5.516885795	6.098320000	5.767214261	4.500000000	5.109179563	4.502369668

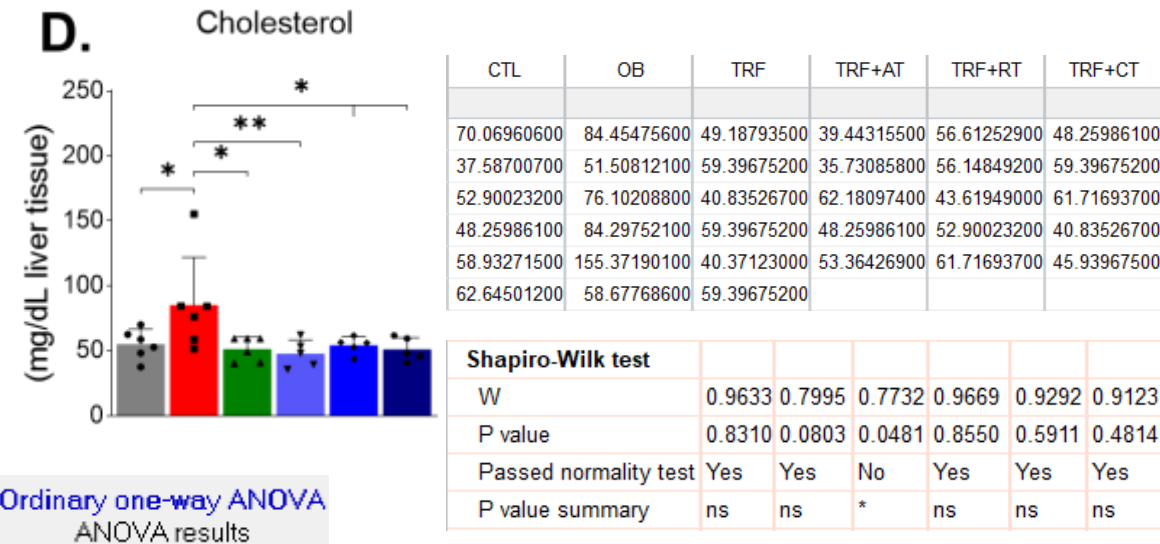
Shapiro-Wilk test

W		0.9807	0.9580	0.9254	0.9714	0.9636	0.9693
P value		0.9550	0.8041	0.5447	0.9018	0.8468	0.8874
Passed normality test	Yes	Yes	Yes	Yes	Yes	Yes	Yes
P value summary	ns	ns	ns	ns	ns	ns	ns

Ordinary one-way ANOVA ANOVA results

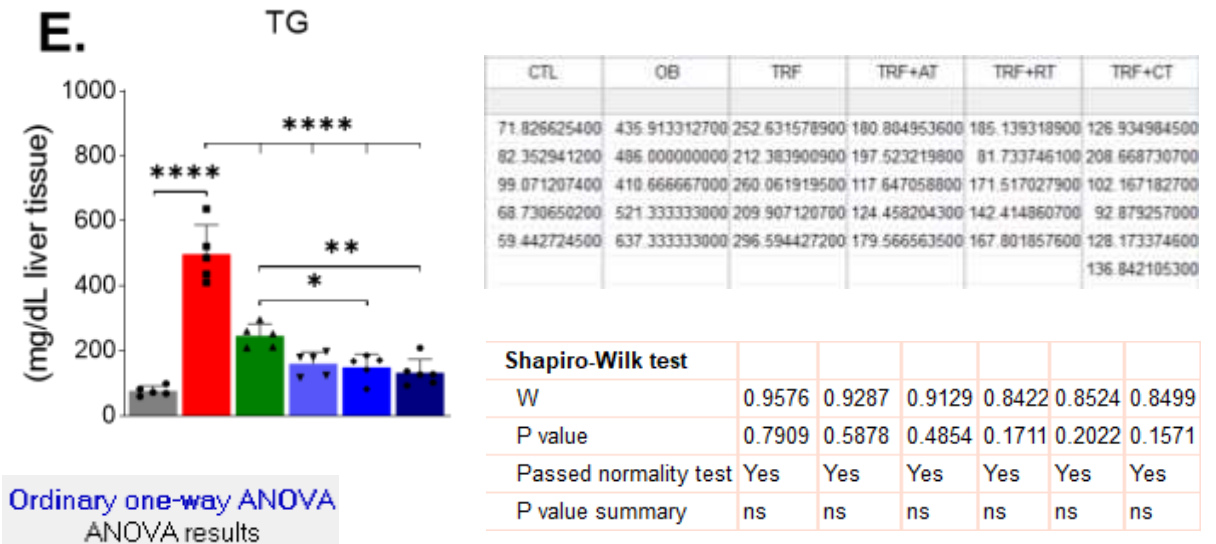
Tukey's multiple com	Mean Diff.	95.00% CI of diff.	Significant?	Summary
CTL vs. OB	-1.515	-2.556 to -0.4736	Yes	**
CTL vs. TRF	-0.5828	-1.624 to 0.4584	No	ns
CTL vs. TRF+AT	0.3399	-0.7013 to 1.381	No	ns
CTL vs. TRF+RT	0.1212	-0.9200 to 1.162	No	ns
CTL vs. TRF+CT	0.1647	-0.8765 to 1.206	No	ns
OB vs. TRF	0.9320	-0.1092 to 1.973	No	ns
OB vs. TRF+AT	1.855	0.8135 to 2.896	Yes	****
OB vs. TRF+RT	1.636	0.5948 to 2.677	Yes	***
OB vs. TRF+CT	1.680	0.6383 to 2.721	Yes	***
TRF vs. TRF+AT	0.9227	-0.1185 to 1.964	No	ns
TRF vs. TRF+RT	0.7040	-0.3372 to 1.745	No	ns
TRF vs. TRF+CT	0.7475	-0.2937 to 1.789	No	ns
TRF+AT vs. TRF+RT	-0.2187	-1.260 to 0.8225	No	ns
TRF+AT vs. TRF+CT	-0.1752	-1.216 to 0.8660	No	ns
TRF+RT vs. TRF+CT	0.04353	-0.9977 to 1.085	No	ns

Figure 4



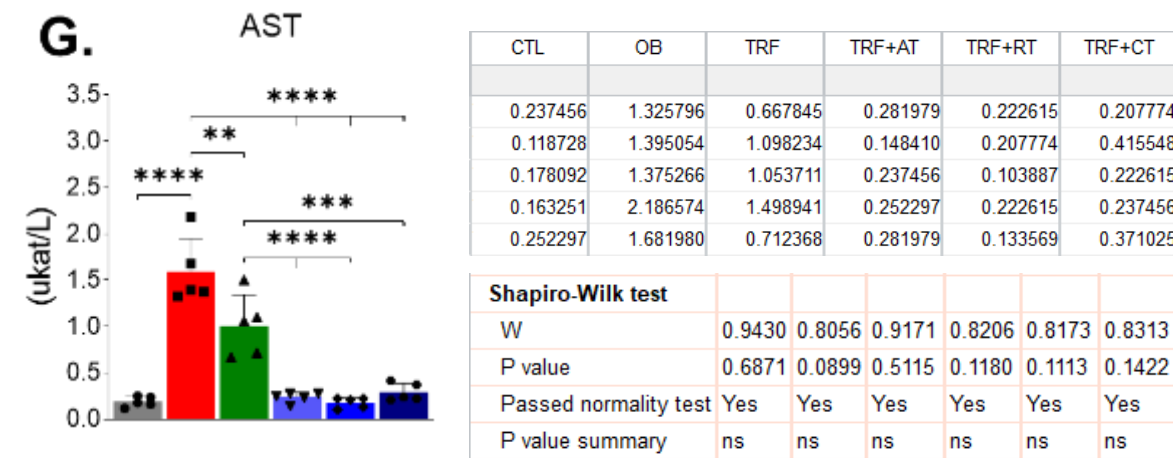
Tukey's multiple com	Mean Diff.	95.00% CI of diff.	Significant?	Summary
CTL vs. OB	-0.3972	-0.7342 to -0.06013	Yes	*
CTL vs. TRF	-0.01485	-0.3519 to 0.3222	No	ns
CTL vs. TRF+AT	0.04269	-0.2943 to 0.3797	No	ns
CTL vs. TRF+RT	-0.02135	-0.3584 to 0.3157	No	ns
CTL vs. TRF+CT	0.008353	-0.3287 to 0.3454	No	ns
OB vs. TRF	0.3823	0.04528 to 0.7193	Yes	*
OB vs. TRF+AT	0.4398	0.1028 to 0.7769	Yes	**
OB vs. TRF+RT	0.3758	0.03878 to 0.7128	Yes	*
OB vs. TRF+CT	0.4055	0.06848 to 0.7425	Yes	*
TRF vs. TRF+AT	0.05754	-0.2795 to 0.3946	No	ns
TRF vs. TRF+RT	-0.006497	-0.3435 to 0.3305	No	ns
TRF vs. TRF+CT	0.02320	-0.3138 to 0.3602	No	ns
TRF+AT vs. TRF+RT	-0.06404	-0.4011 to 0.2730	No	ns
TRF+AT vs. TRF+CT	-0.03434	-0.3714 to 0.3027	No	ns
TRF+RT vs. TRF+CT	0.02970	-0.3073 to 0.3667	No	ns

- CTL
- OB
- ▲ TRF
- ▼ TRF+AT
- ◆ TRF+RT
- TRF+CT



Tukey's multiple com	Mean Diff.	95.00% CI of diff.	Significant?	Summary
CTL vs. OB	-4.220	-5.159 to -3.280	Yes	****
CTL vs. TRF	-1.700	-2.640 to -0.7606	Yes	***
CTL vs. TRF+AT	-0.8372	-1.777 to 0.1025	No	ns
CTL vs. TRF+RT	-0.7344	-1.674 to 0.2053	No	ns
CTL vs. TRF+CT	-0.5633	-1.463 to 0.3364	No	ns
OB vs. TRF	2.519	1.580 to 3.459	Yes	****
OB vs. TRF+AT	3.382	2.443 to 4.322	Yes	****
OB vs. TRF+RT	3.485	2.546 to 4.425	Yes	****
OB vs. TRF+CT	3.656	2.757 to 4.556	Yes	****
TRF vs. TRF+AT	0.8632	-0.07651 to 1.803	No	ns
TRF vs. TRF+RT	0.9659	0.02627 to 1.906	Yes	*
TRF vs. TRF+CT	1.137	0.2374 to 2.037	Yes	**
TRF+AT vs. TRF+RT	0.1028	-0.8369 to 1.042	No	ns
TRF+AT vs. TRF+CT	0.2739	-0.6258 to 1.174	No	ns
TRF+RT vs. TRF+CT	0.1711	-0.7286 to 1.071	No	ns

Figure 4



Ordinary one-way ANOVA

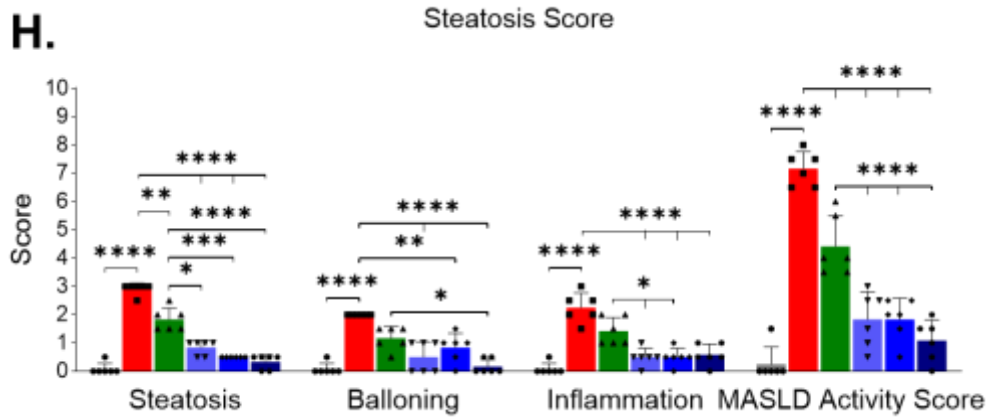
ANOVA results

Tukey's multiple com	Mean Diff.	95.00% CI of diff.	Significant?	Summary
CTL vs. OB	-0.2691	-0.4597 to -0.07851	Yes	**
CTL vs. TRF	-0.05936	-0.2500 to 0.1312	No	ns
CTL vs. TRF+AT	0.001979	-0.1886 to 0.1926	No	ns
CTL vs. TRF+RT	0.001979	-0.1886 to 0.1926	No	ns
CTL vs. TRF+CT	0.001979	-0.1886 to 0.1926	No	ns
OB vs. TRF	0.2098	0.01915 to 0.4004	Yes	*
OB vs. TRF+AT	0.2711	0.08049 to 0.4617	Yes	**
OB vs. TRF+RT	0.2711	0.08049 to 0.4617	Yes	**
OB vs. TRF+CT	0.2711	0.08049 to 0.4617	Yes	**
TRF vs. TRF+AT	0.06134	-0.1293 to 0.2519	No	ns
TRF vs. TRF+RT	0.06134	-0.1293 to 0.2519	No	ns
TRF vs. TRF+CT	0.06134	-0.1293 to 0.2519	No	ns
TRF+AT vs. TRF+RT	0.000	-0.1906 to 0.1906	No	ns
TRF+AT vs. TRF+CT	0.000	-0.1906 to 0.1906	No	ns
TRF+RT vs. TRF+CT	0.000	-0.1906 to 0.1906	No	ns

- CTL
- OB
- ▲ TRF
- ▼ TRF+AT
- ◆ TRF+RT
- TRF+CT

Tukey's multiple com	Mean Diff.	95.00% CI of diff.	Significant?	Summary
CTL vs. OB	-1.403	-1.811 to -0.9948	Yes	****
CTL vs. TRF	-0.8163	-1.224 to -0.4081	Yes	****
CTL vs. TRF+AT	-0.05046	-0.4586 to 0.3577	No	ns
CTL vs. TRF+RT	0.01187	-0.3963 to 0.4200	No	ns
CTL vs. TRF+CT	-0.1009	-0.5091 to 0.3072	No	ns
OB vs. TRF	0.5867	0.1786 to 0.9948	Yes	**
OB vs. TRF+AT	1.353	0.9444 to 1.761	Yes	****
OB vs. TRF+RT	1.415	1.007 to 1.823	Yes	****
OB vs. TRF+CT	1.302	0.8939 to 1.710	Yes	****
TRF vs. TRF+AT	0.7658	0.3577 to 1.174	Yes	****
TRF vs. TRF+RT	0.8281	0.4200 to 1.236	Yes	****
TRF vs. TRF+CT	0.7153	0.3072 to 1.123	Yes	***
TRF+AT vs. TRF+RT	0.06233	-0.3458 to 0.4705	No	ns
TRF+AT vs. TRF+CT	-0.05046	-0.4586 to 0.3577	No	ns
TRF+RT vs. TRF+CT	-0.1128	-0.5209 to 0.2953	No	ns

Figure 4



	CTL					
	A:Y1	A:Y2	A:Y3	A:Y4	A:Y5	A:Y6
Steatosis	0	0	0	1	0	0
Balloning	0	0	0	1	0	0
Inflammation	0	0	0	1	0	0
MASLD Activity Score	0	0	0	2	0	0

	OB					
	B:Y1	B:Y2	B:Y3	B:Y4	B:Y5	B:Y6
Steatosis	3.0	2.5	3.0	3.0	3.0	3.0
Balloning	2.0	2.0	2.0	2.0	2.0	2.0
Inflammation	2.5	2.0	2.0	2.5	3.0	1.5
MASLD Activity Score	7.5	6.5	7.0	7.5	8.0	6.5

	TRF					
	C:Y1	C:Y2	C:Y3	C:Y4	C:Y5	C:Y6
Steatosis	2	2	2	2	2	3
Balloning	1	2	1	1	2	2
Inflammation	1	1	1	2	2	2
MASLD Activity Score	4	4	4	4	6	6

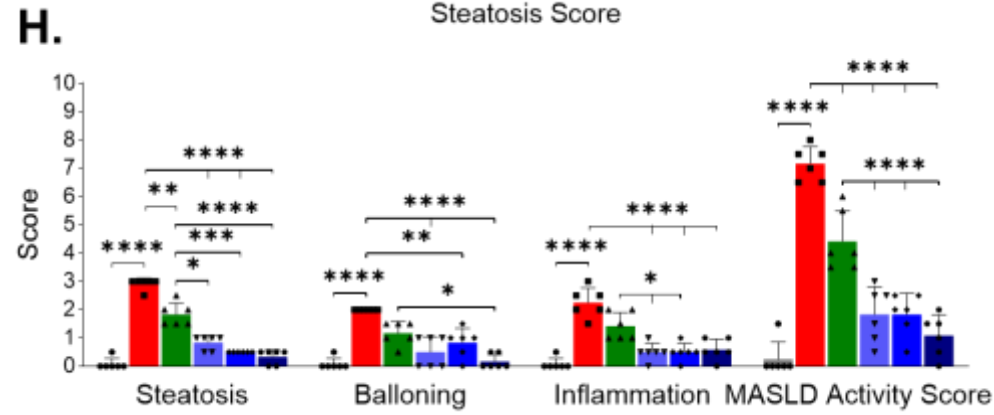
	TRF+AT					
	D:Y1	D:Y2	D:Y3	D:Y4	D:Y5	D:Y6
Steatosis	1.0	0.5	1.0	0.5	1.0	1.0
Balloning	0.0	0.0	1.0	0.0	1.0	1.0
Inflammation	0.5	0.0	0.5	0.5	0.5	1.0
MASLD Activity Score	1.5	0.5	2.5	1.0	2.5	3.0

	TRF+RT					
	E:Y1	E:Y2	E:Y3	E:Y4	E:Y5	E:Y6
Steatosis	0.5	0.5	0.5	0.5	0.5	0.5
Balloning	1.0	1.0	1.5	1.0	0.0	0.5
Inflammation	0.5	1.0	0.5	0.5	0.0	0.5
MASLD Activity Score	2.0	2.5	2.5	2.0	0.5	1.5

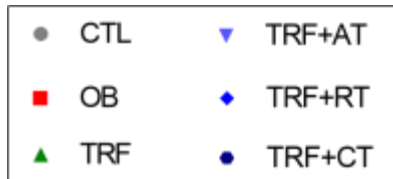
	TRF+CT					
	F:Y1	F:Y2	F:Y3	F:Y4	F:Y5	F:Y6
Steatosis	0.0	0.5	0.0	0.5	0.5	0.5
Balloning	0.0	0.5	0.0	0.0	0.5	0.0
Inflammation	0.5	0.5	0.0	1.0	1.0	0.5
MASLD Activity Score	0.5	1.5	0.0	1.5	2.0	1.0

● CTL ■ OB ▲ TRF ▼ TRF+AT ◆ TRF+RT ● TRF+CT

Figure 4



Shapiro-Wilk test						
W	0.6298	0.7632	0.7881	0.7907	0.7907	0.9412
P value	0.0012	0.0509	0.0826	0.0865	0.0865	0.6620
Passed normality test	No	Yes	Yes	Yes	Yes	Yes
P value summary	**	ns	ns	ns	ns	ns



2way ANOVA
Multiple comparisons

Tukey's multiple comp	Mean Diff.	95.00% CI of diff.	Significant?	Summary
Steatosis				
CTL vs. OB	-2.833	-3.675 to -1.991	Yes	****
CTL vs. TRF	-1.750	-2.592 to -0.9081	Yes	****
CTL vs. TRF+AT	-0.7500	-1.592 to 0.09188	No	ns
CTL vs. TRF+RT	-0.4167	-1.259 to 0.4252	No	ns
CTL vs. TRF+CT	-0.2500	-1.092 to 0.5919	No	ns
OB vs. TRF	1.083	0.2415 to 1.925	Yes	**
OB vs. TRF+AT	2.083	1.241 to 2.925	Yes	****
OB vs. TRF+RT	2.417	1.575 to 3.259	Yes	****
OB vs. TRF+CT	2.583	1.741 to 3.425	Yes	****
TRF vs. TRF+AT	1.000	0.1581 to 1.842	Yes	*
TRF vs. TRF+RT	1.333	0.4915 to 2.175	Yes	***
TRF vs. TRF+CT	1.500	0.6581 to 2.342	Yes	****
TRF+AT vs. TRF+RT	0.3333	-0.5085 to 1.175	No	ns
TRF+AT vs. TRF+CT	0.5000	-0.3419 to 1.342	No	ns
TRF+RT vs. TRF+CT	0.1667	-0.6752 to 1.009	No	ns

2way ANOVA
Multiple comparisons

Tukey's multiple comp	Mean Diff.	95.00% CI of diff.	Significant?	Summary
Inflammation				
CTL vs. OB	-2.167	-3.009 to -1.325	Yes	****
CTL vs. TRF	-1.333	-2.175 to -0.4915	Yes	***
CTL vs. TRF+AT	-0.4167	-1.259 to 0.4252	No	ns
CTL vs. TRF+RT	-0.4167	-1.259 to 0.4252	No	ns
CTL vs. TRF+CT	-0.5000	-1.342 to 0.3419	No	ns
OB vs. TRF	0.8333	-0.008542 to 1.675	No	ns
OB vs. TRF+AT	1.750	0.9081 to 2.592	Yes	****
OB vs. TRF+RT	1.750	0.9081 to 2.592	Yes	****
OB vs. TRF+CT	1.667	0.8248 to 2.509	Yes	****
TRF vs. TRF+AT	0.9167	0.07479 to 1.759	Yes	*
TRF vs. TRF+RT	0.9167	0.07479 to 1.759	Yes	*
TRF vs. TRF+CT	0.8333	-0.008542 to 1.675	No	ns
TRF+AT vs. TRF+RT	0.000	-0.8419 to 0.8419	No	ns
TRF+AT vs. TRF+CT	-0.08333	-0.9252 to 0.7585	No	ns
TRF+RT vs. TRF+CT	-0.08333	-0.9252 to 0.7585	No	ns

2way ANOVA
Multiple comparisons

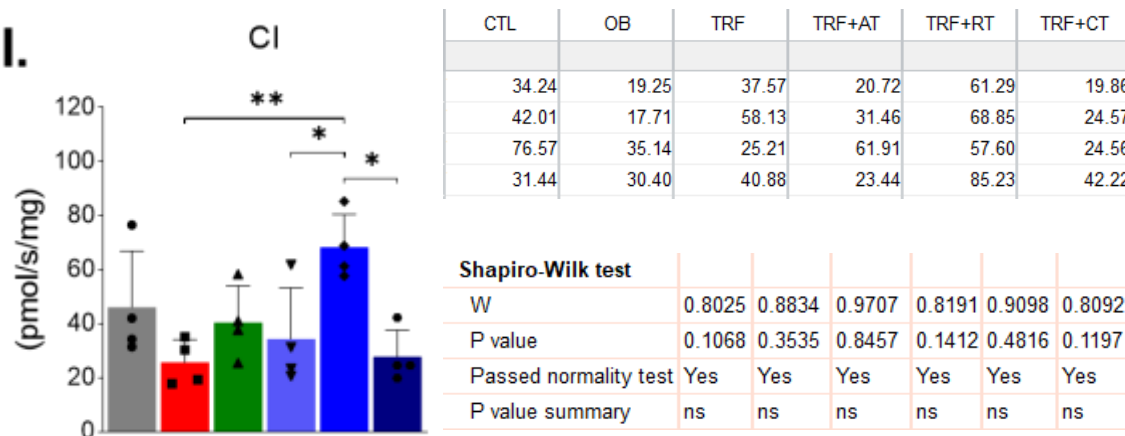
Tukey's multiple comp	Mean Diff.	95.00% CI of diff.	Significant?	Summary
Balloning				
CTL vs. OB	-1.917	-2.759 to -1.075	Yes	****
CTL vs. TRF	-1.083	-1.925 to -0.2415	Yes	**
CTL vs. TRF+AT	-0.4167	-1.259 to 0.4252	No	ns
CTL vs. TRF+RT	-0.7500	-1.592 to 0.09188	No	ns
CTL vs. TRF+CT	-0.08333	-0.9252 to 0.7585	No	ns
OB vs. TRF	0.8333	-0.008542 to 1.675	No	ns
OB vs. TRF+AT	1.500	0.6581 to 2.342	Yes	****
OB vs. TRF+RT	1.167	0.3248 to 2.009	Yes	**
OB vs. TRF+CT	1.833	0.9915 to 2.675	Yes	****
TRF vs. TRF+AT	0.6667	-0.1752 to 1.509	No	ns
TRF vs. TRF+RT	0.3333	-0.5085 to 1.175	No	ns
TRF vs. TRF+CT	1.000	0.1581 to 1.842	Yes	*
TRF+AT vs. TRF+RT	-0.3333	-1.175 to 0.5085	No	ns
TRF+AT vs. TRF+CT	0.3333	-0.5085 to 1.175	No	ns
TRF+RT vs. TRF+CT	0.6667	-0.1752 to 1.509	No	ns

2way ANOVA
Multiple comparisons

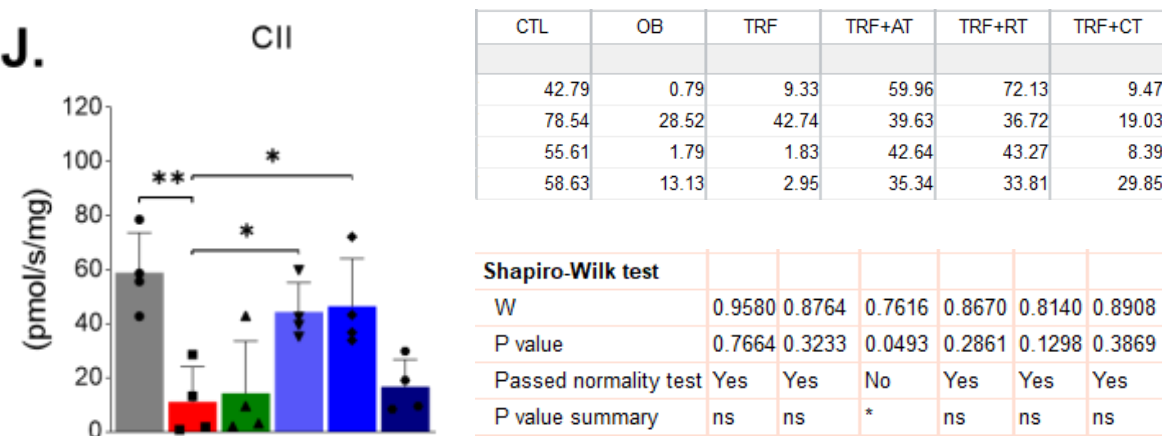
Tukey's multiple comp	Mean Diff.	95.00% CI of diff.	Significant?	Summary
MASLD Activity Score				
CTL vs. OB	-6.917	-7.759 to -6.075	Yes	****
CTL vs. TRF	-4.167	-5.009 to -3.325	Yes	****
CTL vs. TRF+AT	-1.583	-2.425 to -0.7415	Yes	****
CTL vs. TRF+RT	-1.583	-2.425 to -0.7415	Yes	****
CTL vs. TRF+CT	-0.8333	-1.675 to 0.008542	No	ns
OB vs. TRF	2.750	1.908 to 3.592	Yes	****
OB vs. TRF+AT	5.333	4.491 to 6.175	Yes	****
OB vs. TRF+RT	5.333	4.491 to 6.175	Yes	****
OB vs. TRF+CT	6.083	5.241 to 6.925	Yes	****
TRF vs. TRF+AT	2.583	1.741 to 3.425	Yes	****
TRF vs. TRF+RT	2.583	1.741 to 3.425	Yes	****
TRF vs. TRF+CT	3.333	2.491 to 4.175	Yes	****
TRF+AT vs. TRF+RT	0.000	-0.8419 to 0.8419	No	ns
TRF+AT vs. TRF+CT	0.7500	-0.09188 to 1.592	No	ns
TRF+RT vs. TRF+CT	0.7500	-0.09188 to 1.592	No	ns

Figure 4

I.



J.



Ordinary one-way ANOVA
ANOVA results

Tukey's multiple com	Mean Diff.	95.00% CI of diff.	Significant?	Summary
CTL vs. OB	20.44	-12.58 to 53.46	No	ns
CTL vs. TRF	5.617	-27.40 to 38.64	No	ns
CTL vs. TRF+AT	11.68	-21.34 to 44.70	No	ns
CTL vs. TRF+RT	-22.18	-55.20 to 10.84	No	ns
CTL vs. TRF+CT	18.26	-14.76 to 51.28	No	ns
OB vs. TRF	-14.82	-47.84 to 18.20	No	ns
OB vs. TRF+AT	-8.758	-41.78 to 24.26	No	ns
OB vs. TRF+RT	-42.62	-75.64 to -9.600	Yes	**
OB vs. TRF+CT	-2.178	-35.20 to 30.84	No	ns
TRF vs. TRF+AT	6.065	-26.95 to 39.08	No	ns
TRF vs. TRF+RT	-27.80	-60.81 to 5.223	No	ns
TRF vs. TRF+CT	12.65	-20.37 to 45.66	No	ns
TRF+AT vs. TRF+RT	-33.86	-66.88 to -0.8421	Yes	*
TRF+AT vs. TRF+CT	6.580	-26.44 to 39.60	No	ns
TRF+RT vs. TRF+CT	40.44	7.422 to 73.46	Yes	*

- CTL
- OB
- ▲ TRF
- ▼ TRF+AT
- ◆ TRF+RT
- TRF+CT

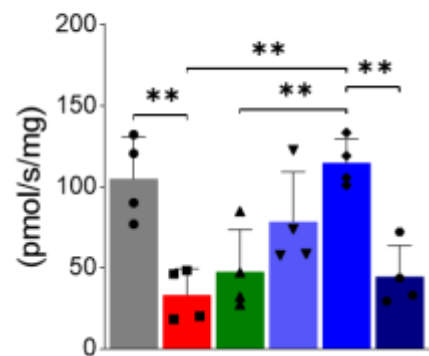
Ordinary one-way ANOVA
ANOVA results

Tukey's multiple com	Mean Diff.	95.00% CI of diff.	Significant?	Summary
CTL vs. OB	47.84	14.98 to 80.69	Yes	**
CTL vs. TRF	44.68	11.82 to 77.54	Yes	**
CTL vs. TRF+AT	14.50	-18.36 to 47.36	No	ns
CTL vs. TRF+RT	12.41	-20.45 to 45.27	No	ns
CTL vs. TRF+CT	42.21	9.350 to 75.07	Yes	**
OB vs. TRF	-3.155	-36.01 to 29.70	No	ns
OB vs. TRF+AT	-33.34	-66.19 to -0.4771	Yes	*
OB vs. TRF+RT	-35.43	-68.28 to -2.567	Yes	*
OB vs. TRF+CT	-5.628	-38.49 to 27.23	No	ns
TRF vs. TRF+AT	-30.18	-63.04 to 2.678	No	ns
TRF vs. TRF+RT	-32.27	-65.13 to 0.5879	No	ns
TRF vs. TRF+CT	-2.473	-35.33 to 30.39	No	ns
TRF+AT vs. TRF+RT	-2.090	-34.95 to 30.77	No	ns
TRF+AT vs. TRF+CT	27.71	-5.150 to 60.57	No	ns
TRF+RT vs. TRF+CT	29.80	-3.060 to 62.66	No	ns

Figure 4

K.

OXPHOS



CTL	OB	TRF	TRF+AT	TRF+RT	TRF+CT
77.03	20.04	46.90	57.93	133.42	29.33
120.55	46.23	84.62	74.10	105.56	43.60
132.18	18.16	27.04	122.92	100.88	32.95
90.08	48.27	31.82	58.78	119.05	72.07

Shapiro-Wilk test

W	0.9300	0.7880	0.8669	0.7948	0.9404	0.8627
P value	0.5944	0.0825	0.2857	0.0933	0.6569	0.2699
Passed normality test	Yes	Yes	Yes	Yes	Yes	Yes
P value summary	ns	ns	ns	ns	ns	ns

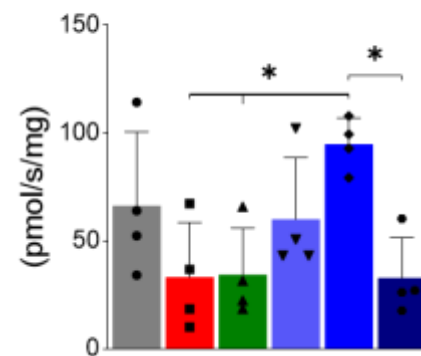
Ordinary one-way ANOVA
ANOVA results

Tukey's multiple comp	Mean Diff.	95.00% CI of diff.	Significant?	Summary
CTL vs. OB	71.79	20.44 to 123.1	Yes	**
CTL vs. TRF	57.37	6.019 to 108.7	Yes	*
CTL vs. TRF+AT	26.53	-24.82 to 77.87	No	ns
CTL vs. TRF+RT	-9.767	-61.11 to 41.58	No	ns
CTL vs. TRF+CT	60.47	9.126 to 111.8	Yes	*
OB vs. TRF	-14.42	-65.77 to 36.93	No	ns
OB vs. TRF+AT	-45.26	-96.60 to 6.089	No	ns
OB vs. TRF+RT	-81.55	-132.9 to -30.21	Yes	**
OB vs. TRF+CT	-11.31	-62.66 to 40.03	No	ns
TRF vs. TRF+AT	-30.84	-82.18 to 20.51	No	ns
TRF vs. TRF+RT	-67.13	-118.5 to -15.79	Yes	**
TRF vs. TRF+CT	3.108	-48.24 to 54.45	No	ns
TRF+AT vs. TRF+RT	-36.30	-87.64 to 15.05	No	ns
TRF+AT vs. TRF+CT	33.95	-17.40 to 85.29	No	ns
TRF+RT vs. TRF+CT	70.24	18.89 to 121.6	Yes	**

- CTL
- OB
- ▲ TRF
- ▼ TRF+AT
- ◆ TRF+RT
- TRF+CT

L.

ATP-Linked Respiration



CTL	OB	TRF	TRF+AT	TRF+RT	TRF+CT
34.190000000	18.390000000	31.250000000	50.890000000	107.910000000	17.730000000
52.460000000	36.830000000	65.630000000	43.460000000	99.420000000	27.080000000
114.360000000	10.030000000	18.330000000	102.440000000	92.970000000	26.240000000
64.020000000	67.360000000	22.130000000	43.420000000	79.280000000	60.250000000

Shapiro-Wilk test

W	0.9191	0.9315	0.8305	0.7182	0.9843	0.8161
P value	0.5319	0.6030	0.1690	0.0185	0.9267	0.1345
Passed normality test	Yes	Yes	Yes	No	Yes	Yes
P value summary	ns	ns	ns	*	ns	ns

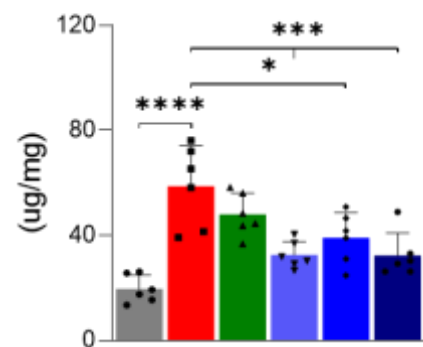
Ordinary one-way ANOVA
ANOVA results

Tukey's multiple comp	Mean Diff.	95.00% CI of diff.	Significant?	Summary
CTL vs. OB	33.11	-21.93 to 88.14	No	ns
CTL vs. TRF	31.92	-23.11 to 86.95	No	ns
CTL vs. TRF+AT	6.205	-48.83 to 61.24	No	ns
CTL vs. TRF+RT	-28.64	-83.67 to 26.39	No	ns
CTL vs. TRF+CT	33.43	-21.60 to 88.46	No	ns
OB vs. TRF	-1.182	-56.21 to 53.85	No	ns
OB vs. TRF+AT	-26.90	-81.93 to 28.13	No	ns
OB vs. TRF+RT	-61.74	-116.8 to -6.712	Yes	*
OB vs. TRF+CT	0.3275	-54.70 to 55.36	No	ns
TRF vs. TRF+AT	-25.72	-80.75 to 29.31	No	ns
TRF vs. TRF+RT	-60.56	-115.6 to -5.530	Yes	*
TRF vs. TRF+CT	1.510	-53.52 to 56.54	No	ns
TRF+AT vs. TRF+RT	-34.84	-89.87 to 20.19	No	ns
TRF+AT vs. TRF+CT	27.23	-27.80 to 82.26	No	ns
TRF+RT vs. TRF+CT	62.07	7.040 to 117.1	Yes	*

Figure 6

A.

Total Fatty Acids



CTL	OB	TRF	TRA+AT	TRA+RT	TRA+CT
25.6837	72.0072	58.3238	26.6703	46.5684	30.3752
15.4198	65.3749	44.5477	30.2882	41.7902	48.9306
13.4499	41.4543	36.7722	31.8515	39.0326	33.0301
26.1809	76.1873	48.4883	40.3486	31.0974	26.2532
19.3553	58.2835	43.7866	36.9543	24.7610	26.2583
17.5909	39.1836	56.1798	29.1236	50.8860	29.2579

Shapiro-Wilk test

W	0.9015	0.9028	0.9492	0.9377	0.9697	0.7571
P value	0.3827	0.3905	0.7336	0.6406	0.8907	0.0233
Passed normality test	Yes	Yes	Yes	Yes	Yes	No
P value summary	ns	ns	ns	ns	ns	*

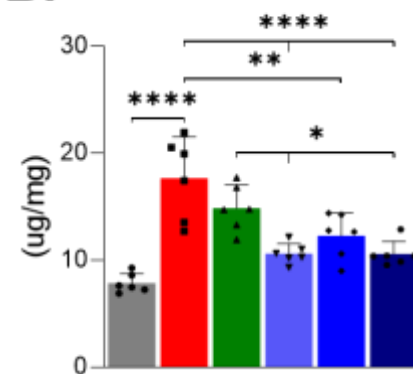
Ordinary one-way ANOVA
ANOVA results

Tukey's multiple com	Mean Diff.	95.00% CI of diff.	Significant?	Summary
CTL vs. OB	-39.14	-55.61 to -22.66	Yes	****
CTL vs. TRF	-28.40	-44.88 to -11.92	Yes	***
CTL vs. TRA+AT	-12.93	-29.41 to 3.553	No	ns
CTL vs. TRA+RT	-19.41	-35.89 to -2.930	Yes	*
CTL vs. TRA+CT	-12.74	-29.22 to 3.742	No	ns
OB vs. TRF	10.73	-5.747 to 27.21	No	ns
OB vs. TRA+AT	26.21	9.730 to 42.69	Yes	***
OB vs. TRA+RT	19.73	3.247 to 36.21	Yes	*
OB vs. TRA+CT	26.40	9.918 to 42.88	Yes	***
TRF vs. TRA+AT	15.48	-1.002 to 31.96	No	ns
TRF vs. TRA+RT	8.994	-7.485 to 25.47	No	ns
TRF vs. TRA+CT	15.67	-0.8137 to 32.14	No	ns
TRA+AT vs. TRA+RT	-6.483	-22.96 to 9.996	No	ns
TRA+AT vs. TRA+CT	0.1885	-16.29 to 16.67	No	ns
TRA+RT vs. TRA+CT	6.672	-9.807 to 23.15	No	ns

- CTL
- OB
- ▲ TRF
- ▼ TRF+AT
- ◆ TRF+RT
- TRF+CT

B.

Saturated Fatty Acids



CTL	OB	TRF	TRA+AT	TRA+RT	TRA+CT
8.5825	19.9363	17.7159	10.6035	14.3785	10.3548
6.8892	20.5396	13.2878	10.1844	12.6344	12.8567
7.4638	13.5027	11.9172	12.1447	12.7518	10.3769
9.2620	21.9296	14.7100	11.0166	10.5994	9.5493
7.2440	17.4411	14.7523	9.3101	8.9784	9.8307
7.6087	12.6991	16.8079	10.2644	14.2375	10.3837

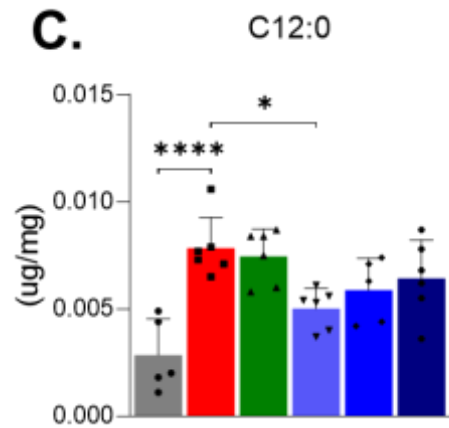
Shapiro-Wilk test

W	0.9097	0.8976	0.9639	0.9654	0.9093	0.7521
P value	0.4346	0.3601	0.8489	0.8601	0.4318	0.0209
Passed normality test	Yes	Yes	Yes	Yes	Yes	No
P value summary	ns	ns	ns	ns	ns	*

Ordinary one-way ANOVA
ANOVA results

Tukey's multiple com	Mean Diff.	95.00% CI of diff.	Significant?	Summary
CTL vs. OB	-9.833	-13.55 to -6.114	Yes	****
CTL vs. TRF	-7.023	-10.74 to -3.305	Yes	****
CTL vs. TRA+AT	-2.746	-6.464 to 0.9732	No	ns
CTL vs. TRA+RT	-4.422	-8.140 to -0.7028	Yes	*
CTL vs. TRA+CT	-2.717	-6.436 to 1.002	No	ns
OB vs. TRF	2.810	-0.9092 to 6.528	No	ns
OB vs. TRA+AT	7.087	3.369 to 10.81	Yes	****
OB vs. TRA+RT	5.411	1.693 to 9.130	Yes	**
OB vs. TRA+CT	7.116	3.397 to 10.83	Yes	****
TRF vs. TRA+AT	4.278	0.5591 to 7.997	Yes	*
TRF vs. TRA+RT	2.602	-1.117 to 6.321	No	ns
TRF vs. TRA+CT	4.307	0.5877 to 8.025	Yes	*
TRA+AT vs. TRA+RT	-1.676	-5.395 to 2.043	No	ns
TRA+AT vs. TRA+CT	0.02860	-3.690 to 3.747	No	ns
TRA+RT vs. TRA+CT	1.705	-2.014 to 5.423	No	ns

Figure 6



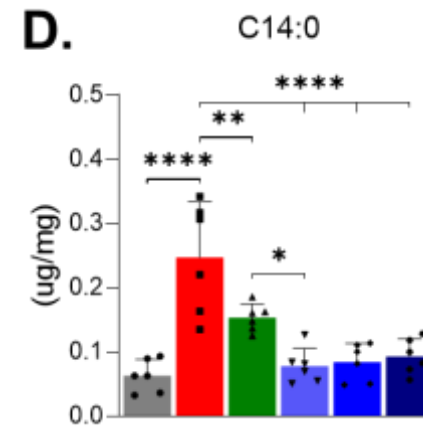
CTL	OB	TRF	TRA+AT	TRA+RT	TRA+CT
0.0049	0.0071	0.0084	0.0053	0.0044	0.0055
0.0011	0.0077	0.0087	0.0037	0.0063	0.0068
0.0018	0.0073	0.0060	0.0056	0.0074	0.0087
0.0020	0.0065	0.0075	0.0061	0.0042	0.0078
0.0044	0.0079	0.0084	0.0054	0.0071	0.0062
	0.0106	0.0058	0.0040		0.0036

Shapiro-Wilk test						
W	0.8652	0.8163	0.8364	0.8882	0.8589	0.9832
P value	0.2474	0.0819	0.1216	0.3090	0.2245	0.9662
Passed normality test	Yes	Yes	Yes	Yes	Yes	Yes
P value summary	ns	ns	ns	ns	ns	ns

Ordinary one-way ANOVA ANOVA results

Tukey's multiple comp	Mean Diff.	95.00% CI of diff.	Significant?	Summary
CTL vs. OB	-0.005010	-0.007709 to -0.002311	Yes	****
CTL vs. TRF	-0.004627	-0.007325 to -0.001928	Yes	***
CTL vs. TRA+AT	-0.002177	-0.004875 to 0.0005219	No	ns
CTL vs. TRA+RT	-0.003040	-0.005859 to -0.0002214	Yes	*
CTL vs. TRA+CT	-0.003593	-0.006292 to -0.0008948	Yes	**
OB vs. TRF	0.0003833	-0.002190 to 0.002956	No	ns
OB vs. TRA+AT	0.002833	0.0002603 to 0.005406	Yes	*
OB vs. TRA+RT	0.001970	-0.0007286 to 0.004669	No	ns
OB vs. TRA+CT	0.001417	-0.001156 to 0.003990	No	ns
TRF vs. TRA+AT	0.002450	-0.0001230 to 0.005023	No	ns
TRF vs. TRA+RT	0.001587	-0.001112 to 0.004285	No	ns
TRF vs. TRA+CT	0.001033	-0.001540 to 0.003606	No	ns
TRA+AT vs. TRA+RT	-0.0008633	-0.003562 to 0.001835	No	ns
TRA+AT vs. TRA+CT	-0.001417	-0.003990 to 0.001156	No	ns
TRA+RT vs. TRA+CT	-0.0005533	-0.003252 to 0.002145	No	ns

- CTL
- OB
- ▲ TRF
- ▼ TRF+AT
- ◆ TRF+RT
- TRF+CT



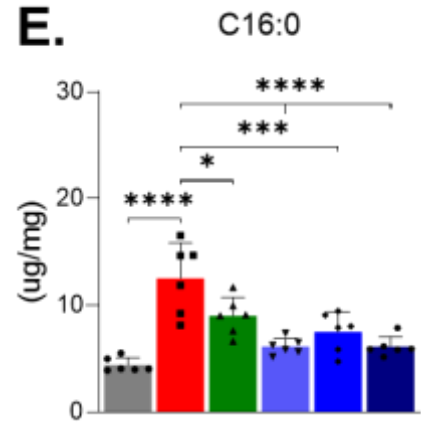
CTL	OB	TRF	TRA+AT	TRA+RT	TRA+CT
0.0894	0.3171	0.1483	0.0838	0.1136	0.1182
0.0625	0.3067	0.1369	0.0694	0.0485	0.1281
0.0361	0.1631	0.1252	0.1266	0.1002	0.0996
0.0930	0.3424	0.1608	0.0812	0.1106	0.0564
0.0625	0.2204	0.1622	0.0506	0.0818	0.0727
0.0321	0.1347	0.1858	0.0549	0.0501	0.0824

Shapiro-Wilk test						
W	0.8943	0.8962	0.9779	0.8944	0.8581	0.9662
P value	0.3415	0.3522	0.9407	0.3418	0.1828	0.8663
Passed normality test	Yes	Yes	Yes	Yes	Yes	Yes
P value summary	ns	ns	ns	ns	ns	ns

Ordinary one-way ANOVA ANOVA results

Tukey's multiple comp	Mean Diff.	95.00% CI of diff.	Significant?	Summary
CTL vs. OB	-0.1848	-0.2602 to -0.1094	Yes	****
CTL vs. TRF	-0.09060	-0.1660 to -0.01522	Yes	*
CTL vs. TRA+AT	-0.01515	-0.09053 to 0.06023	No	ns
CTL vs. TRA+RT	-0.02153	-0.09692 to 0.05385	No	ns
CTL vs. TRA+CT	-0.03030	-0.1057 to 0.04508	No	ns
OB vs. TRF	0.09420	0.01882 to 0.1696	Yes	**
OB vs. TRA+AT	0.1697	0.09427 to 0.2450	Yes	****
OB vs. TRA+RT	0.1633	0.08788 to 0.2387	Yes	****
OB vs. TRA+CT	0.1545	0.07912 to 0.2299	Yes	****
TRF vs. TRA+AT	0.07545	6.508e-005 to 0.1508	Yes	*
TRF vs. TRA+RT	0.06907	-0.006318 to 0.1445	No	ns
TRF vs. TRA+CT	0.06030	-0.01508 to 0.1357	No	ns
TRA+AT vs. TRA+RT	-0.006383	-0.08177 to 0.06900	No	ns
TRA+AT vs. TRA+CT	-0.01515	-0.09053 to 0.06023	No	ns
TRA+RT vs. TRA+CT	-0.008767	-0.08415 to 0.06662	No	ns

Figure 6



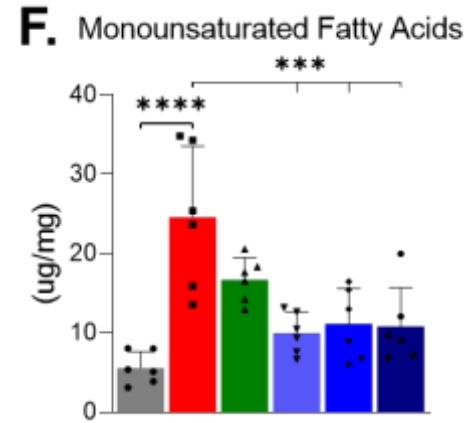
CTL	OB	TRF	TRA+AT	TRA+RT	TRA+CT
4.9899	14.6997	6.6469	6.2504	9.0876	5.8782
3.9231	14.6731	9.0262	5.6671	8.0475	7.8878
3.9988	9.2446	7.6146	7.3759	7.9097	5.9153
5.5025	16.5432	9.9600	6.5481	5.8637	5.1520
4.0442	11.8968	9.1072	5.1837	4.7377	5.8321
4.0588	8.1492	11.6815	5.8543	9.4558	6.1541

Shapiro-Wilk test						
W	0.7649	0.9223	0.9775	0.9783	0.9117	0.8086
P value	0.0277	0.5222	0.9387	0.9427	0.4480	0.0702
Passed normality test	No	Yes	Yes	Yes	Yes	Yes
P value summary	*	ns	ns	ns	ns	ns

Ordinary one-way ANOVA ANOVA results

Tukey's multiple com	Mean Diff.	95.00% CI of diff.	Significant?	Summary
CTL vs. OB	-8.115	-11.29 to -4.943	Yes	****
CTL vs. TRF	-4.587	-7.758 to -1.415	Yes	**
CTL vs. TRA+AT	-1.727	-4.899 to 1.445	No	ns
CTL vs. TRA+RT	-3.097	-6.269 to 0.07410	No	ns
CTL vs. TRA+CT	-1.717	-4.889 to 1.455	No	ns
OB vs. TRF	3.528	0.3568 to 6.700	Yes	*
OB vs. TRA+AT	6.388	3.216 to 9.559	Yes	****
OB vs. TRA+RT	5.017	1.846 to 8.189	Yes	***
OB vs. TRA+CT	6.398	3.226 to 9.569	Yes	****
TRF vs. TRA+AT	2.859	-0.3121 to 6.031	No	ns
TRF vs. TRA+RT	1.489	-1.682 to 4.661	No	ns
TRF vs. TRA+CT	2.869	-0.3021 to 6.041	No	ns
TRA+AT vs. TRA+RT	-1.370	-4.542 to 1.801	No	ns
TRA+AT vs. TRA+CT	0.01000	-3.162 to 3.182	No	ns
TRA+RT vs. TRA+CT	1.380	-1.791 to 4.552	No	ns

- CTL
- OB
- ▲ TRF
- ▼ TRF+AT
- ◆ TRF+RT
- TRF+CT



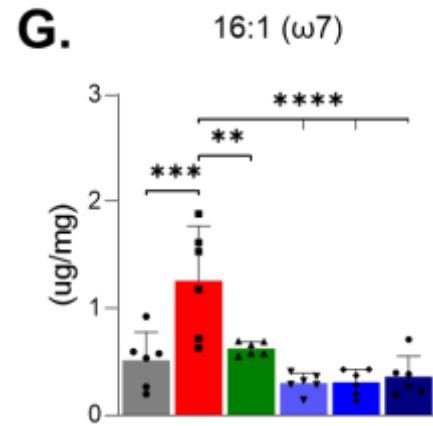
CTL	OB	TRF	TRA+AT	TRA+RT	TRA+CT
8.0083	34.8582	12.9417	7.6235	16.4865	9.7031
5.1235	25.4229	18.3431	9.3963	6.0702	12.0809
3.8829	15.9443	14.2587	10.4959	15.4536	6.9083
8.0519	34.3098	17.6398	13.1785	13.0285	7.2261
5.3867	23.6729	16.5551	12.6443	9.0556	9.0899
3.1257	13.5811	20.5790	6.6590	6.8669	19.9915

Shapiro-Wilk test						
W	0.8939	0.9075	0.9774	0.9408	0.9031	0.8176
P value	0.3393	0.4204	0.9379	0.6653	0.3924	0.0841
Passed normality test	Yes	Yes	Yes	Yes	Yes	Yes
P value summary	ns	ns	ns	ns	ns	ns

Ordinary one-way ANOVA ANOVA results

Tukey's multiple com	Mean Diff.	95.00% CI of diff.	Significant?	Summary
CTL vs. OB	-19.04	-27.57 to -10.50	Yes	****
CTL vs. TRF	-11.12	-19.66 to -2.586	Yes	**
CTL vs. TRA+AT	-4.403	-12.94 to 4.134	No	ns
CTL vs. TRA+RT	-5.564	-14.10 to 2.973	No	ns
CTL vs. TRA+CT	-5.237	-13.77 to 3.300	No	ns
OB vs. TRF	7.912	-0.6250 to 16.45	No	ns
OB vs. TRA+AT	14.63	6.095 to 23.17	Yes	***
OB vs. TRA+RT	13.47	4.934 to 22.01	Yes	***
OB vs. TRA+CT	13.80	5.261 to 22.34	Yes	***
TRF vs. TRA+AT	6.720	-1.817 to 15.26	No	ns
TRF vs. TRA+RT	5.559	-2.978 to 14.10	No	ns
TRF vs. TRA+CT	5.886	-2.651 to 14.42	No	ns
TRA+AT vs. TRA+RT	-1.161	-9.698 to 7.376	No	ns
TRA+AT vs. TRA+CT	-0.8337	-9.371 to 7.703	No	ns
TRA+RT vs. TRA+CT	0.3269	-8.210 to 8.864	No	ns

Figure 6



CTL	OB	TRF	TRA+AT	TRA+RT	TRA+CT
0.0651	1.3709	0.4065	0.2038	0.3972	0.1689
0.2471	1.0190	0.6348	0.2198	0.1016	0.2541
0.0983	0.5525	0.4800	0.2942	0.3627	0.1218
0.0669	1.6888	0.5673	0.2931	0.3004	0.1459
	0.8167	0.4472	0.1265	0.1625	0.2072
	2.0015	0.8730	0.1217	0.1079	0.5021

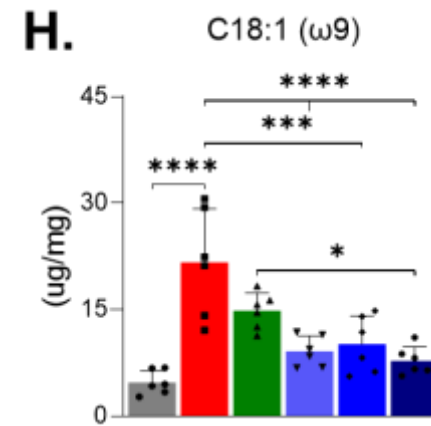
Shapiro-Wilk test							
W		0.7561	0.9727	0.8898	0.8758	0.8713	0.7935
P value		0.0440	0.9099	0.3170	0.2504	0.2313	0.0514
Passed normality test	No	Yes	Yes	Yes	Yes	Yes	Yes
P value summary	*	ns	ns	ns	ns	ns	ns

Ordinary one-way ANOVA

ANOVA results

Tukey's multiple com	Mean Diff	95.00% CI of diff.	Significant?	Summary
CTL vs. OB	-1.122	-1.633 to -0.6111	Yes	****
CTL vs. TRF	-0.4488	-0.9599 to 0.06234	No	ns
CTL vs. TRA+AT	-0.09050	-0.6016 to 0.4206	No	ns
CTL vs. TRA+RT	-0.1194	-0.6305 to 0.3918	No	ns
CTL vs. TRA+CT	-0.1140	-0.6251 to 0.3971	No	ns
OB vs. TRF	0.6734	0.2163 to 1.131	Yes	**
OB vs. TRA+AT	1.032	0.5746 to 1.489	Yes	****
OB vs. TRA+RT	1.003	0.5457 to 1.460	Yes	****
OB vs. TRA+CT	1.008	0.5511 to 1.465	Yes	****
TRF vs. TRA+AT	0.3583	-0.09888 to 0.8154	No	ns
TRF vs. TRA+RT	0.3294	-0.1277 to 0.7866	No	ns
TRF vs. TRA+CT	0.3348	-0.1224 to 0.7920	No	ns
TRA+AT vs. TRA+RT	-0.02887	-0.4860 to 0.4283	No	ns
TRA+AT vs. TRA+CT	-0.02348	-0.4806 to 0.4337	No	ns
TRA+RT vs. TRA+CT	0.005383	-0.4518 to 0.4625	No	ns

- CTL
- OB
- ▲ TRF
- ▼ TRF+AT
- ◆ TRF+RT
- TRF+CT



CTL	OB	TRF	TRA+AT	TRA+RT	TRA+CT
6.7141	30.6112	11.3271	6.9158	14.8333	8.7535
4.2474	22.4144	16.3313	8.4748	5.5938	11.0891
3.3950	14.1741	12.5698	9.4338	14.0471	6.6365
6.8196	29.4244	15.7124	11.8276	11.8436	5.6696
4.4886	21.1936	14.6187	11.4432	8.2152	6.4541
2.7284	12.1105	18.3170	6.8032	6.2560	8.1945

Shapiro-Wilk test							
W		0.8928	0.9194	0.9777	0.8964	0.8960	0.9298
P value		0.3334	0.5008	0.9395	0.3529	0.3508	0.5786
Passed normality test	Yes	Yes	Yes	Yes	Yes	Yes	Yes
P value summary	ns	ns	ns	ns	ns	ns	ns

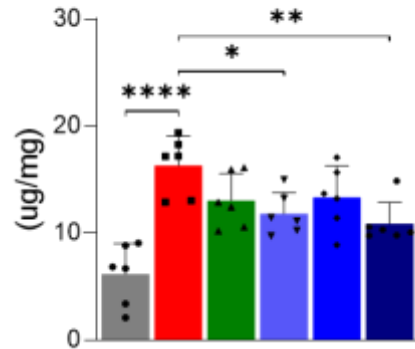
Ordinary one-way ANOVA

ANOVA results

Tukey's multiple com	Mean Diff.	95.00% CI of diff.	Significant?	Summary
CTL vs. OB	-16.92	-23.78 to -10.06	Yes	****
CTL vs. TRF	-10.08	-16.94 to -3.218	Yes	**
CTL vs. TRA+AT	-4.418	-11.28 to 2.445	No	ns
CTL vs. TRA+RT	-5.399	-12.26 to 1.463	No	ns
CTL vs. TRA+CT	-3.067	-9.930 to 3.795	No	ns
OB vs. TRF	6.842	-0.02037 to 13.70	No	ns
OB vs. TRA+AT	12.50	5.643 to 19.37	Yes	****
OB vs. TRA+RT	11.52	4.661 to 18.39	Yes	***
OB vs. TRA+CT	13.86	6.993 to 20.72	Yes	****
TRF vs. TRA+AT	5.663	-1.199 to 12.53	No	ns
TRF vs. TRA+RT	4.681	-2.181 to 11.54	No	ns
TRF vs. TRA+CT	7.013	0.1508 to 13.88	Yes	*
TRA+AT vs. TRA+RT	-0.9818	-7.844 to 5.881	No	ns
TRA+AT vs. TRA+CT	1.350	-5.512 to 8.213	No	ns
TRA+RT vs. TRA+CT	2.332	-4.530 to 9.194	No	ns

Figure 7

A. Polyunsaturated Fatty Acids



CTL	OB	TRF	TRA+AT	TRA+RT	TRA+CT
9.0628	18.2802	15.9419	9.7324	15.6749	10.3014
3.3932	17.1919	10.1823	10.2705	13.6809	14.8575
2.0811	13.0468	12.8962	11.1426	13.2281	10.5519
8.8376	19.3827	10.5745	14.9947	11.4181	9.7783
6.6999	17.1505	16.1113	13.2642	8.8937	10.0516
6.8296	12.8827	12.4478	11.4548	17.0680	9.7661

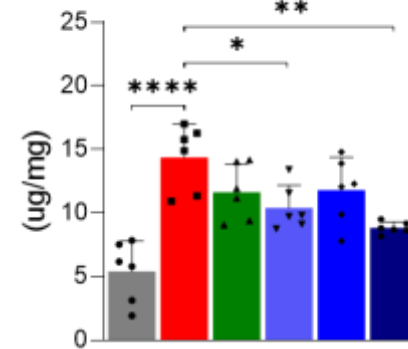
Shapiro-Wilk test							
W		0.8946	0.8587	0.8843	0.9262	0.9811	0.6360
P value		0.3431	0.1848	0.2895	0.5510	0.9569	0.0012
Passed normality test	Yes	Yes	Yes	Yes	Yes	Yes	No
P value summary	ns	ns	ns	ns	ns	ns	**

Ordinary one-way ANOVA ANOVA results

Tukey's multiple com	Mean Diff.	95.00% CI of diff.	Significant?	Summary
CTL vs. OB	-10.17	-14.62 to -5.727	Yes	****
CTL vs. TRF	-6.875	-11.32 to -2.431	Yes	***
CTL vs. TRA+AT	-5.659	-10.10 to -1.215	Yes	**
CTL vs. TRA+RT	-7.177	-11.62 to -2.732	Yes	***
CTL vs. TRA+CT	-4.734	-9.178 to -0.2894	Yes	*
OB vs. TRF	3.297	-1.148 to 7.741	No	ns
OB vs. TRA+AT	4.513	0.06824 to 8.957	Yes	*
OB vs. TRA+RT	2.995	-1.449 to 7.440	No	ns
OB vs. TRA+CT	5.438	0.9936 to 9.882	Yes	**
TRF vs. TRA+AT	1.216	-3.229 to 5.660	No	ns
TRF vs. TRA+RT	-0.3016	-4.746 to 4.143	No	ns
TRF vs. TRA+CT	2.141	-2.303 to 6.586	No	ns
TRA+AT vs. TRA+RT	-1.517	-5.962 to 2.927	No	ns
TRA+AT vs. TRA+CT	0.9254	-3.519 to 5.370	No	ns
TRA+RT vs. TRA+CT	2.443	-2.002 to 6.887	No	ns

- CTL
- OB
- ▲ TRF
- ▼ TRF+AT
- ◆ TRF+RT
- TRF+CT

B. Total Fatty Acids (ω6)



CTL	OB	TRF	TRA+AT	TRA+RT	TRA+CT
7.8464	16.2745	14.1849	8.7507	13.9028	9.1858
3.1392	15.7850	9.0665	9.1311	12.2988	9.5196
1.9283	11.3437	11.9310	9.8244	12.0755	8.6405
7.5386	17.0154	9.4043	13.4083	9.8805	8.8265
5.8099	14.9035	14.0622	11.5804	7.8069	8.1825
6.1754	10.9256	11.1771	9.7422	14.8022	8.6945

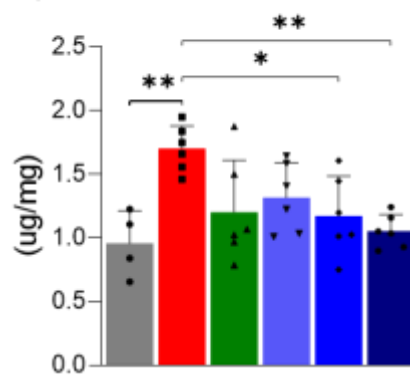
Shapiro-Wilk test							
W		0.9030	0.8522	0.8969	0.8761	0.9549	0.9764
P value		0.3923	0.1638	0.3561	0.2517	0.7799	0.9321
Passed normality test	Yes	Yes	Yes	Yes	Yes	Yes	Yes
P value summary	ns	ns	ns	ns	ns	ns	ns

Ordinary one-way ANOVA ANOVA results

Tukey's multiple com	Mean Diff.	95.00% CI of diff.	Significant?	Summary
CTL vs. OB	-8.968	-12.72 to -5.220	Yes	****
CTL vs. TRF	-6.231	-9.980 to -2.483	Yes	***
CTL vs. TRA+AT	-5.000	-8.748 to -1.251	Yes	**
CTL vs. TRA+RT	-6.388	-10.14 to -2.640	Yes	***
CTL vs. TRA+CT	-3.435	-7.184 to 0.3132	No	ns
OB vs. TRF	2.737	-1.011 to 6.485	No	ns
OB vs. TRA+AT	3.968	0.2200 to 7.717	Yes	*
OB vs. TRA+RT	2.580	-1.168 to 6.329	No	ns
OB vs. TRA+CT	5.533	1.785 to 9.281	Yes	**
TRF vs. TRA+AT	1.231	-2.517 to 4.980	No	ns
TRF vs. TRA+RT	-0.1568	-3.905 to 3.592	No	ns
TRF vs. TRA+CT	2.796	-0.9523 to 6.545	No	ns
TRA+AT vs. TRA+RT	-1.388	-5.137 to 2.360	No	ns
TRA+AT vs. TRA+CT	1.565	-2.184 to 5.313	No	ns
TRA+RT vs. TRA+CT	2.953	-0.7955 to 6.701	No	ns

Figure 7

C. Total Fatty Acids (ω 3)



CTL	OB	TRF	TRA+AT	TRA+RT	TRA+CT
1.1063	1.4618	1.5001	1.0354	1.6068	1.0351
1.2250	1.6594	0.9704	1.2262	0.7504	1.2426
0.8405	1.5580	0.7871	1.4077	1.1983	1.0501
0.6542	1.9516	1.0231	1.5844	1.0262	1.1585
	1.7495	1.8755	1.0093	1.4470	0.8993
	1.8356	1.0683	1.6423	1.0137	0.9276

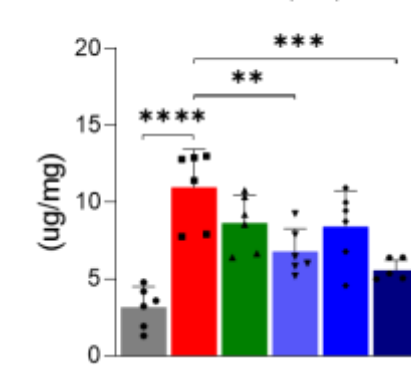
Shapiro-Wilk test						
W		0.9557	0.9877	0.8883	0.9057	0.9657
P value		0.7516	0.9827	0.3095	0.4085	0.8621
Passed normality test	Yes	Yes	Yes	Yes	Yes	Yes
P value summary	ns	ns	ns	ns	ns	ns

Ordinary one-way ANOVA ANOVA results

Tukey's multiple com	Mean Diff.	95.00% CI of diff.	Significant?	Summary
CTL vs. OB	-0.7462	-1.289 to -0.2029	Yes	**
CTL vs. TRF	-0.2476	-0.7909 to 0.2957	No	ns
CTL vs. TRA+AT	-0.3611	-0.9043 to 0.1822	No	ns
CTL vs. TRA+RT	-0.2172	-0.7605 to 0.3261	No	ns
CTL vs. TRA+CT	-0.09570	-0.6390 to 0.4476	No	ns
OB vs. TRF	0.4986	0.01263 to 0.9845	Yes	*
OB vs. TRA+AT	0.3851	-0.1008 to 0.8710	No	ns
OB vs. TRA+RT	0.5289	0.04298 to 1.015	Yes	*
OB vs. TRA+CT	0.6505	0.1645 to 1.136	Yes	**
TRF vs. TRA+AT	-0.1135	-0.5994 to 0.3725	No	ns
TRF vs. TRA+RT	0.03035	-0.4556 to 0.5163	No	ns
TRF vs. TRA+CT	0.1519	-0.3341 to 0.6378	No	ns
TRA+AT vs. TRA+RT	0.1438	-0.3421 to 0.6298	No	ns
TRA+AT vs. TRA+CT	0.2654	-0.2206 to 0.7513	No	ns
TRA+RT vs. TRA+CT	0.1215	-0.3644 to 0.6075	No	ns

- CTL
- OB
- ▲ TRF
- ▼ TRF+AT
- ◆ TRF+RT
- TRF+CT

D. C18:2 (ω 6)



CTL	OB	TRF	TRA+AT	TRA+RT	TRA+CT
4.7881	12.8116	10.7688	5.2074	9.9973	6.3886
1.9248	12.9004	6.6502	5.8407	9.4618	6.4067
1.3090	7.9264	9.2024	6.4771	8.7541	5.2492
4.1955	13.0055	6.4149	9.2529	6.7919	5.0521
3.2390	7.7768	10.3552	7.9143	4.5807	5.0099
3.5957	11.4075	8.5823	6.0297	10.9453	5.3544

Shapiro-Wilk test						
W		0.9520	0.7710	0.9080	0.9101	0.9306
P value		0.7566	0.0318	0.4236	0.4371	0.5848
Passed normality test	Yes	No	Yes	Yes	Yes	No
P value summary	ns	*	ns	ns	ns	*

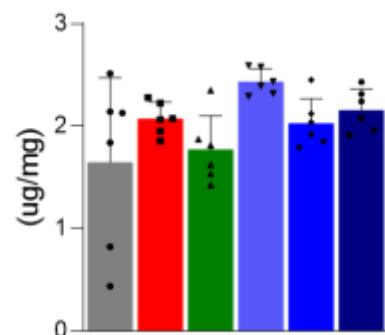
Ordinary one-way ANOVA ANOVA results

Tukey's multiple com	Mean Diff.	95.00% CI of diff.	Significant?	Summary
CTL vs. OB	-7.796	-10.96 to -4.631	Yes	****
CTL vs. TRF	-5.487	-8.652 to -2.322	Yes	***
CTL vs. TRA+AT	-3.612	-6.777 to -0.4467	Yes	*
CTL vs. TRA+RT	-5.247	-8.411 to -2.082	Yes	***
CTL vs. TRA+CT	-2.401	-5.566 to 0.7635	No	ns
OB vs. TRF	2.309	-0.8559 to 5.474	No	ns
OB vs. TRA+AT	4.184	1.019 to 7.349	Yes	**
OB vs. TRA+RT	2.550	-0.6154 to 5.714	No	ns
OB vs. TRA+CT	5.395	2.230 to 8.560	Yes	***
TRF vs. TRA+AT	1.875	-1.290 to 5.040	No	ns
TRF vs. TRA+RT	0.2405	-2.925 to 3.405	No	ns
TRF vs. TRA+CT	3.085	-0.07947 to 6.250	No	ns
TRA+AT vs. TRA+RT	-1.635	-4.800 to 1.530	No	ns
TRA+AT vs. TRA+CT	1.210	-1.955 to 4.375	No	ns
TRA+RT vs. TRA+CT	2.845	-0.3199 to 6.010	No	ns

Figure 7

E.

C20:4 (ω 6)



CTL	OB	TRF	TRA+AT	TRA+RT	TRA+CT
2.1408	1.9506	1.8129	2.3182	1.7945	1.9101
0.8222	2.2239	1.4264	2.4349	1.8509	2.0752
0.4352	1.8537	1.5358	2.3904	1.9203	2.4314
2.5141	2.2781	1.8729	2.5909	2.0391	2.2423
1.8376	2.0634	2.3512	2.2912	2.4509	2.3143
2.1276	2.0739	1.6242	2.5799	2.1223	1.9624

Shapiro-Wilk test						
W		0.8797	0.9599	0.9153	0.8939	0.9070
P value		0.2676	0.8190	0.4724	0.3391	0.4169
Passed normality test	Yes	Yes	Yes	Yes	Yes	Yes
P value summary	ns	ns	ns	ns	ns	ns

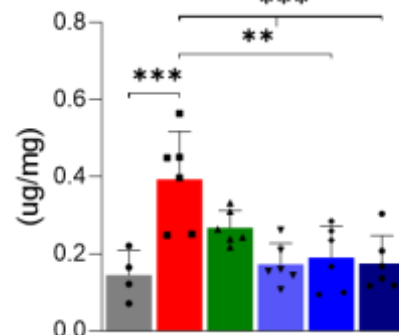
Ordinary one-way ANOVA
ANOVA results

Tukey's multiple com	Mean Diff.	95.00% CI of diff.	Significant?	Summary
CTL vs. OB	-0.4277	-1.120 to 0.2647	No	ns
CTL vs. TRF	-0.1243	-0.8167 to 0.5681	No	ns
CTL vs. TRA+AT	-0.7880	-1.480 to -0.09560	Yes	*
CTL vs. TRA+RT	-0.3834	-1.076 to 0.3090	No	ns
CTL vs. TRA+CT	-0.5097	-1.202 to 0.1827	No	ns
OB vs. TRF	0.3034	-0.3890 to 0.9958	No	ns
OB vs. TRA+AT	-0.3603	-1.053 to 0.3321	No	ns
OB vs. TRA+RT	0.04427	-0.6481 to 0.7367	No	ns
OB vs. TRA+CT	-0.08202	-0.7744 to 0.6104	No	ns
TRF vs. TRA+AT	-0.6637	-1.356 to 0.02871	No	ns
TRF vs. TRA+RT	-0.2591	-0.9515 to 0.4333	No	ns
TRF vs. TRA+CT	-0.3854	-1.078 to 0.3070	No	ns
TRA+AT vs. TRA+RT	0.4046	-0.2878 to 1.097	No	ns
TRA+AT vs. TRA+CT	0.2783	-0.4141 to 0.9707	No	ns
TRA+RT vs. TRA+CT	-0.1263	-0.8187 to 0.5661	No	ns

- CTL
- OB
- ▲ TRF
- ▼ TRF+AT
- ◆ TRF+RT
- TRF+CT

F.

C18:3 (ω 3)



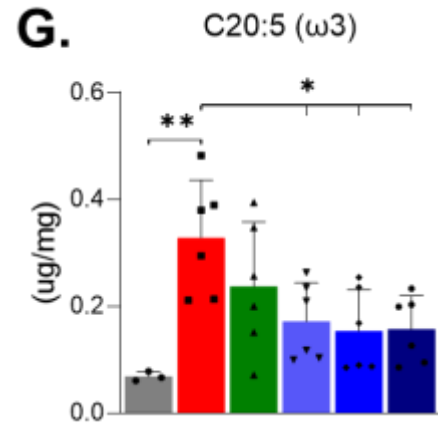
CTL	OB	TRF	TRA+AT	TRA+RT	TRA+CT
0.2209	0.4502	0.3317	0.1077	0.2846	0.1681
0.1649	0.2504	0.2429	0.1547	0.0940	0.3036
0.1213	0.4489	0.2378	0.1592	0.2590	0.2076
0.0710	0.2477	0.2170	0.2613	0.2354	0.1168
	0.3967	0.3100	0.2095	0.1669	0.1181
	0.5641	0.2634	0.1442	0.0997	0.1358

Shapiro-Wilk test						
W		0.9973	0.9045	0.9200	0.9360	0.8920
P value		0.9909	0.4011	0.5051	0.6270	0.3287
Passed normality test	Yes	Yes	Yes	Yes	Yes	Yes
P value summary	ns	ns	ns	ns	ns	ns

Ordinary one-way ANOVA
ANOVA results

Tukey's multiple com	Mean Diff.	95.00% CI of diff.	Significant?	Summary
CTL vs. OB	-0.2485	-0.4038 to -0.09318	Yes	***
CTL vs. TRF	-0.1226	-0.2779 to 0.03268	No	ns
CTL vs. TRA+AT	-0.02824	-0.1835 to 0.1271	No	ns
CTL vs. TRA+RT	-0.04541	-0.2007 to 0.1099	No	ns
CTL vs. TRA+CT	-0.03048	-0.1858 to 0.1248	No	ns
OB vs. TRF	0.1259	-0.01303 to 0.2648	No	ns
OB vs. TRA+AT	0.2202	0.08134 to 0.3591	Yes	***
OB vs. TRA+RT	0.2031	0.06417 to 0.3420	Yes	**
OB vs. TRA+CT	0.2180	0.07910 to 0.3569	Yes	***
TRF vs. TRA+AT	0.09437	-0.04453 to 0.2333	No	ns
TRF vs. TRA+RT	0.07720	-0.06170 to 0.2161	No	ns
TRF vs. TRA+CT	0.09213	-0.04676 to 0.2310	No	ns
TRA+AT vs. TRA+RT	-0.01717	-0.1561 to 0.1217	No	ns
TRA+AT vs. TRA+CT	-0.002233	-0.1411 to 0.1367	No	ns
TRA+RT vs. TRA+CT	0.01493	-0.1240 to 0.1538	No	ns

Figure 7

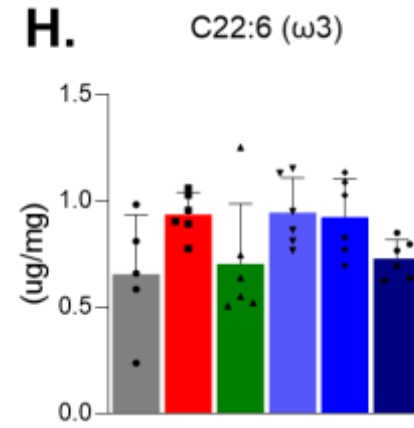


CTL	OB	TRF	TRA+AT	TRA+RT	TRA+CT
0.0670	0.2132	0.3947	0.0997	0.2357	0.2333
0.0783	0.2950	0.2002	0.1180	0.0899	0.1993
0.0609	0.3900	0.1512	0.2633	0.1690	0.0946
	0.4827	0.2567	0.2097	0.0853	0.1264
	0.2114	0.0713	0.1037	0.2544	0.2031
	0.3805	0.3480	0.2351	0.0875	0.0857

Shapiro-Wilk test						
W	0.9711	0.9187	0.9751	0.8495	0.8186	0.8839
P value	0.6737	0.4961	0.9247	0.1559	0.0858	0.2877
Passed normality test	Yes	Yes	Yes	Yes	Yes	Yes
P value summary	ns	ns	ns	ns	ns	ns

Ordinary one-way ANOVA ANOVA results

Tukey's multiple com	Mean Diff.	95.00% CI of diff.	Significant?	Summary
CTL vs. OB	-0.2601	-0.4505 to -0.06958	Yes	**
CTL vs. TRF	-0.1683	-0.3588 to 0.02220	No	ns
CTL vs. TRA+AT	-0.1029	-0.2933 to 0.08763	No	ns
CTL vs. TRA+RT	-0.08490	-0.2754 to 0.1056	No	ns
CTL vs. TRA+CT	-0.08833	-0.2788 to 0.1021	No	ns
OB vs. TRF	0.09178	-0.06375 to 0.2473	No	ns
OB vs. TRA+AT	0.1572	0.001688 to 0.3127	Yes	*
OB vs. TRA+RT	0.1752	0.01964 to 0.3307	Yes	*
OB vs. TRA+CT	0.1717	0.01620 to 0.3273	Yes	*
TRF vs. TRA+AT	0.06543	-0.09010 to 0.2210	No	ns
TRF vs. TRA+RT	0.08338	-0.07215 to 0.2389	No	ns
TRF vs. TRA+CT	0.07995	-0.07558 to 0.2355	No	ns
TRA+AT vs. TRA+RT	0.01795	-0.1376 to 0.1735	No	ns
TRA+AT vs. TRA+CT	0.01452	-0.1410 to 0.1700	No	ns
TRA+RT vs. TRA+CT	-0.003433	-0.1590 to 0.1521	No	ns



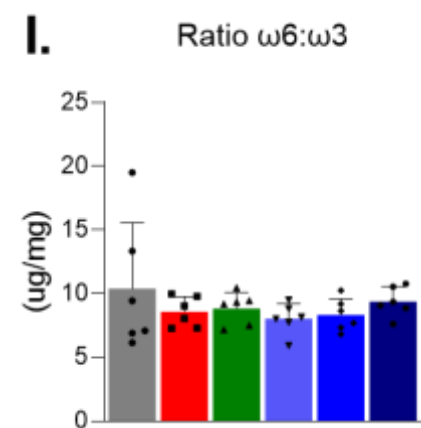
CTL	OB	TRF	TRA+AT	TRA+RT	TRA+CT
0.8092	0.8916	0.7444	0.7661	1.0865	0.6338
0.2353	0.9033	0.5048	0.9490	0.7703	0.6245
0.9819	1.0269	0.5195	0.8615	0.6944	0.7962
0.6583	0.7741	0.6371	1.1515	1.0257	0.8491
0.5831	1.0597	1.2520	0.8106	0.8264	0.7653
	0.9555	0.5499	1.1300	1.1329	0.6921

Shapiro-Wilk test						
W	0.9725	0.9621	0.7525	0.8897	0.9069	0.9284
P value	0.8909	0.8355	0.0211	0.3166	0.4165	0.5676
Passed normality test	Yes	Yes	No	Yes	Yes	Yes
P value summary	ns	ns	*	ns	ns	ns

Ordinary one-way ANOVA ANOVA results

Tukey's multiple com	Mean Diff.	95.00% CI of diff.	Significant?	Summary
CTL vs. OB	-0.2816	-0.6429 to 0.07964	No	ns
CTL vs. TRF	-0.04772	-0.4090 to 0.3135	No	ns
CTL vs. TRA+AT	-0.2912	-0.6525 to 0.07004	No	ns
CTL vs. TRA+RT	-0.2691	-0.6304 to 0.09212	No	ns
CTL vs. TRA+CT	-0.07327	-0.4345 to 0.2880	No	ns
OB vs. TRF	0.2339	-0.1106 to 0.5784	No	ns
OB vs. TRA+AT	-0.009600	-0.3541 to 0.3349	No	ns
OB vs. TRA+RT	0.01248	-0.3320 to 0.3569	No	ns
OB vs. TRA+CT	0.2084	-0.1361 to 0.5528	No	ns
TRF vs. TRA+AT	-0.2435	-0.5880 to 0.1010	No	ns
TRF vs. TRA+RT	-0.2214	-0.5659 to 0.1230	No	ns
TRF vs. TRA+CT	-0.02555	-0.3700 to 0.3189	No	ns
TRA+AT vs. TRA+RT	0.02208	-0.3224 to 0.3665	No	ns
TRA+AT vs. TRA+CT	0.2180	-0.1265 to 0.5624	No	ns
TRA+RT vs. TRA+CT	0.1959	-0.1486 to 0.5403	No	ns

Figure 7



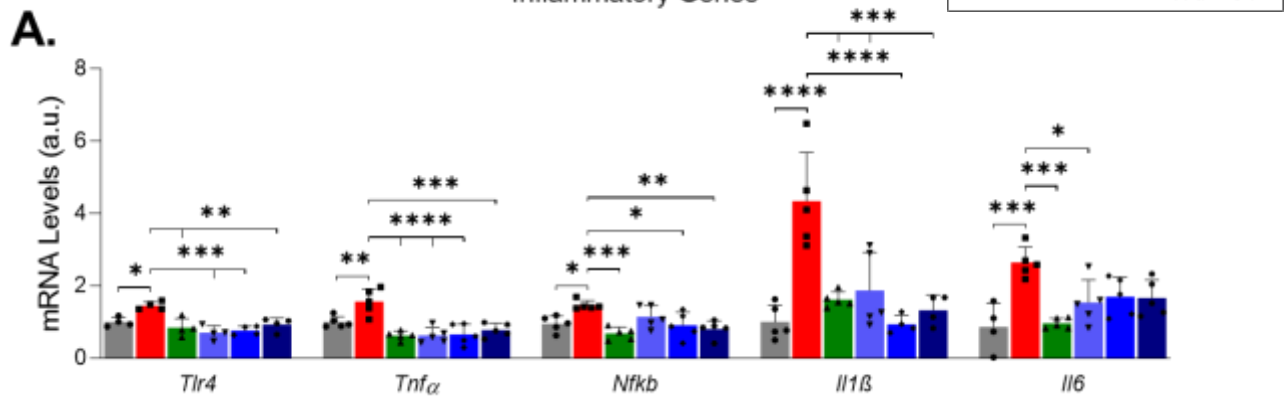
CTL	OB	TRF	TRA+AT	TRA+RT	TRA+CT
7.09	9.81	9.46	8.82	8.65	8.87
13.34	7.28	9.34	8.01	9.20	10.79
19.51	8.06	9.19	9.52	10.26	7.62
6.15	9.98	7.50	8.16	6.83	9.10
6.91	9.05	10.46	5.93	7.70	9.37
9.44	7.31	7.17	7.75	7.34	10.55

Shapiro-Wilk test						
W	0.8404	0.8774	0.9010	0.9353	0.9626	0.9450
P value	0.1314	0.2575	0.3797	0.6214	0.8392	0.6995
Passed normality test	Yes	Yes	Yes	Yes	Yes	Yes
P value summary	ns	ns	ns	ns	ns	ns

Tukey's multiple com	Mean Diff.	95.00% CI of diff.	Significant?	Summary
CTL vs. OB	1.825	-2.372 to 6.022	No	ns
CTL vs. TRF	1.553	-2.643 to 5.750	No	ns
CTL vs. TRA+AT	2.375	-1.822 to 6.572	No	ns
CTL vs. TRA+RT	2.077	-2.120 to 6.273	No	ns
CTL vs. TRA+CT	1.023	-3.173 to 5.220	No	ns
OB vs. TRF	-0.2717	-4.468 to 3.925	No	ns
OB vs. TRA+AT	0.5500	-3.647 to 4.747	No	ns
OB vs. TRA+RT	0.2517	-3.945 to 4.448	No	ns
OB vs. TRA+CT	-0.8017	-4.998 to 3.395	No	ns
TRF vs. TRA+AT	0.8217	-3.375 to 5.018	No	ns
TRF vs. TRA+RT	0.5233	-3.673 to 4.720	No	ns
TRF vs. TRA+CT	-0.5300	-4.727 to 3.667	No	ns
TRA+AT vs. TRA+RT	-0.2983	-4.495 to 3.898	No	ns
TRA+AT vs. TRA+CT	-1.352	-5.548 to 2.845	No	ns
TRA+RT vs. TRA+CT	-1.053	-5.250 to 3.143	No	ns

● CTL ■ OB ▲ TRF ▼ TRF+AT ◆ TRF+RT ● TRF+CT

Figure 8



Grouped	TRF				
	C:1	C:2	C:3	C:4	C:5
<i>Tlr4</i>	0.775665000	1.195293000	0.585766000	0.824620000	
<i>Tnfα</i>	0.779614241	0.433563372	0.672566175	0.603347615	0.634300873
<i>Nfkb</i>	0.722971833	0.486422439	0.531443496	0.907237826	0.759359042
<i>Il1β</i>	1.963942000	1.514743000	1.397507000	1.664067000	1.559952000
<i>Il6</i>	0.830766824	0.908143163	1.110533506	1.133341170	0.830764627

Grouped	TRF+AT				
	D:1	D:2	D:3	D:4	D:5
<i>Tlr4</i>	0.944677000	0.688362000	0.470909000	0.708541000	
<i>Tnfα</i>	0.976602654	0.585703073	0.691499706	0.436707557	0.474516276
<i>Nfkb</i>	0.984321680	0.764756681	1.467257296	1.075563958	1.470066904
<i>Il1β</i>	2.910490000	1.154949000	3.120118000	0.920258000	1.272690000
<i>Il6</i>	1.501482655	1.607654821	0.840219748	1.224754071	2.533820790

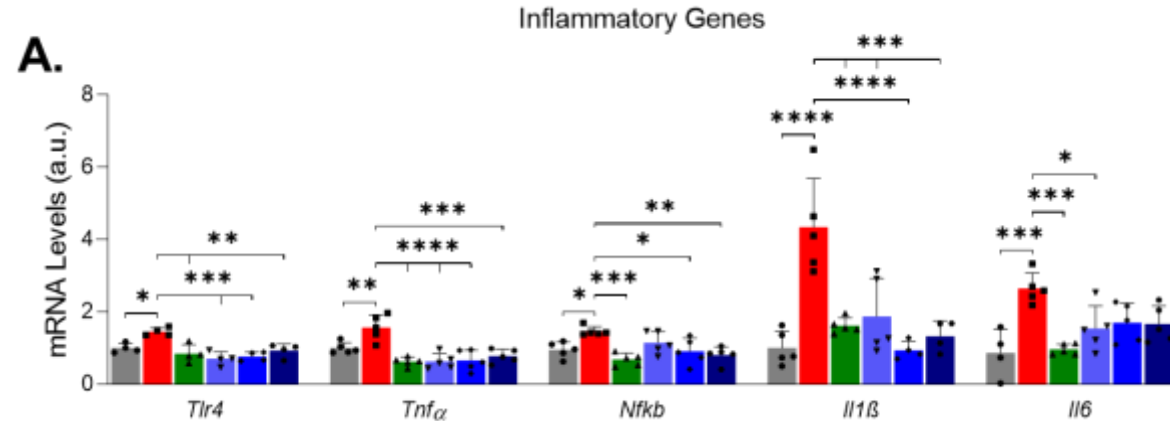
Grouped	TRF+RT				
	E:1	E:2	E:3	E:4	E:5
<i>Tlr4</i>	0.667359000	0.642309000	0.886057000	0.863333000	
<i>Tnfα</i>	0.296005258	0.607769670	0.499467958	0.954632382	0.937612616
<i>Nfkb</i>	0.886488670	1.168731457	0.744776268	0.414714556	1.350670793
<i>Il1β</i>	0.940145000	1.283298000	0.827755000	0.703826000	
<i>Il6</i>	1.221448864	2.166159058	1.099580729	1.768480045	2.275991235

Grouped	TRF+CT				
	F:1	F:2	F:3	F:4	F:5
<i>Tlr4</i>	1.034262000	0.658201000	0.961277000	1.067411000	
<i>Tnfα</i>	0.755566213	0.931523760	0.679097155	0.990776010	0.529702865
<i>Nfkb</i>	0.826693316	1.053533129	0.892507320	0.408703310	0.851887185
<i>Il1β</i>	1.679358000	1.682570000	1.144646000	0.826704000	
<i>Il6</i>	2.328828930	2.051433961	1.271894771	1.163989657	1.524862325

Grouped	CTL				
	A:1	A:2	A:3	A:4	A:5
<i>Tlr4</i>	0.874152000	1.177432000	1.013252000	0.935164000	
<i>Tnfα</i>	1.256647271	1.035285196	0.888860086	0.879666301	0.939541146
<i>Nfkb</i>	1.190136919	0.633313742	0.972498958	0.863257406	1.100273901
<i>Il1β</i>	0.767611000	1.627558000	0.737401000	1.361904000	0.505526000
<i>Il6</i>	1.582380111	0.023773113	1.110101937	0.733614804	

Grouped	OB				
	B:1	B:2	B:3	B:4	B:5
<i>Tlr4</i>	1.365380000	1.372919000	1.490283000	1.596933000	
<i>Tnfα</i>	1.078848814	1.390921734	1.567655560	1.838601229	1.970564006
<i>Nfkb</i>	1.406256486	1.427024733	1.380290428	1.699336849	1.428966264
<i>Il1β</i>	4.645745000	3.114929000	4.103871000	3.371974000	6.493309000
<i>Il6</i>	2.188404113	2.701899943	3.326787459	2.435350966	2.592114952

Figure 8



Ordinary one-way ANOVA
ANOVA results

Tnfα

Tukey's multiple com	Mean Diff.	95.00% CI of diff.	Significant?	Summary
CTL vs. OB	-0.5693	-1.028 to -0.1107	Yes	**
CTL vs. TRF	0.3753	-0.08327 to 0.8339	No	ns
CTL vs. TRF+AT	0.3670	-0.09159 to 0.8256	No	ns
CTL vs. TRF+RT	0.3409	-0.1177 to 0.7995	No	ns
CTL vs. TRF+CT	0.2227	-0.2359 to 0.6813	No	ns
OB vs. TRF	0.9446	0.4861 to 1.403	Yes	****
OB vs. TRF+AT	0.9363	0.4777 to 1.395	Yes	****
OB vs. TRF+RT	0.9102	0.4516 to 1.369	Yes	****
OB vs. TRF+CT	0.7920	0.3334 to 1.251	Yes	***
TRF vs. TRF+AT	-0.008327	-0.4669 to 0.4503	No	ns
TRF vs. TRF+RT	-0.03442	-0.4930 to 0.4242	No	ns
TRF vs. TRF+CT	-0.1527	-0.6112 to 0.3059	No	ns
TRF+AT vs. TRF+RT	-0.02609	-0.4847 to 0.4325	No	ns
TRF+AT vs. TRF+CT	-0.1443	-0.6029 to 0.3143	No	ns
TRF+RT vs. TRF+CT	-0.1182	-0.5768 to 0.3404	No	ns

Ordinary one-way ANOVA
ANOVA results

Tlr4

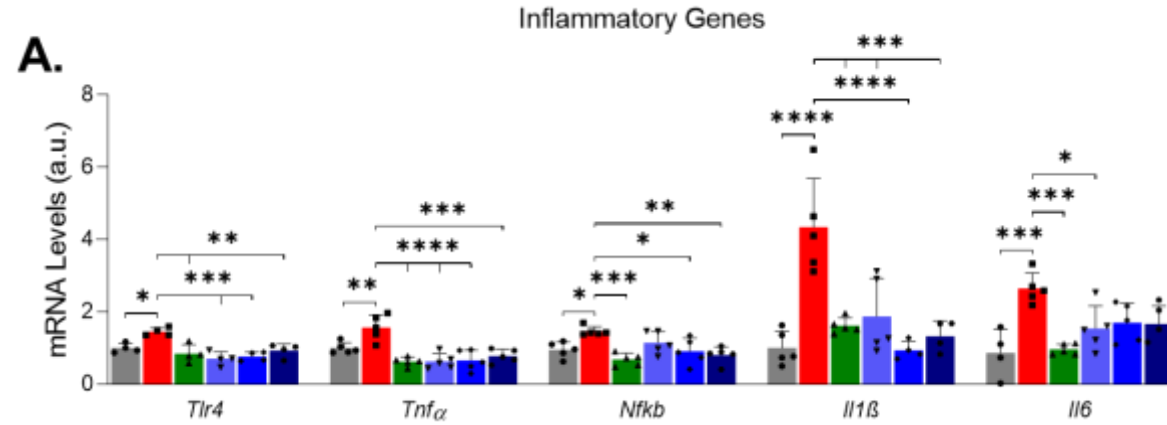
Tukey's multiple com	Mean Diff.	95.00% CI of diff.	Significant?	Summary
CTL vs. OB	-0.4564	-0.8488 to -0.06392	Yes	*
CTL vs. TRF	0.1547	-0.2378 to 0.5471	No	ns
CTL vs. TRF+AT	0.2969	-0.09559 to 0.6893	No	ns
CTL vs. TRF+RT	0.2352	-0.1572 to 0.6277	No	ns
CTL vs. TRF+CT	0.06971	-0.3228 to 0.4622	No	ns
OB vs. TRF	0.6110	0.2186 to 1.004	Yes	**
OB vs. TRF+AT	0.7533	0.3608 to 1.146	Yes	***
OB vs. TRF+RT	0.6916	0.2992 to 1.084	Yes	***
OB vs. TRF+CT	0.5261	0.1336 to 0.9186	Yes	**
TRF vs. TRF+AT	0.1422	-0.2502 to 0.5347	No	ns
TRF vs. TRF+RT	0.08057	-0.3119 to 0.4730	No	ns
TRF vs. TRF+CT	-0.08495	-0.4774 to 0.3075	No	ns
TRF+AT vs. TRF+RT	-0.06164	-0.4541 to 0.3308	No	ns
TRF+AT vs. TRF+CT	-0.2272	-0.6196 to 0.1653	No	ns
TRF+RT vs. TRF+CT	-0.1655	-0.5580 to 0.2269	No	ns

Ordinary one-way ANOVA
ANOVA results

Nfkb

Tukey's multiple com	Mean Diff.	95.00% CI of diff.	Significant?	Summary
CTL vs. OB	-0.5165	-1.009 to -0.02372	Yes	*
CTL vs. TRF	0.2704	-0.2224 to 0.7632	No	ns
CTL vs. TRF+AT	-0.2005	-0.6933 to 0.2923	No	ns
CTL vs. TRF+RT	0.03882	-0.4539 to 0.5316	No	ns
CTL vs. TRF+CT	0.1452	-0.3475 to 0.6380	No	ns
OB vs. TRF	0.7869	0.2941 to 1.280	Yes	***
OB vs. TRF+AT	0.3160	-0.1768 to 0.8087	No	ns
OB vs. TRF+RT	0.5553	0.06254 to 1.048	Yes	*
OB vs. TRF+CT	0.6617	0.1689 to 1.154	Yes	**
TRF vs. TRF+AT	-0.4709	-0.9637 to 0.02186	No	ns
TRF vs. TRF+RT	-0.2316	-0.7244 to 0.2612	No	ns
TRF vs. TRF+CT	-0.1252	-0.6179 to 0.3676	No	ns
TRF+AT vs. TRF+RT	0.2393	-0.2534 to 0.7321	No	ns
TRF+AT vs. TRF+CT	0.3457	-0.1470 to 0.8385	No	ns
TRF+RT vs. TRF+CT	0.1064	-0.3864 to 0.5992	No	ns

Figure 8



Ordinary one-way ANOVA
ANOVA results

Il1β

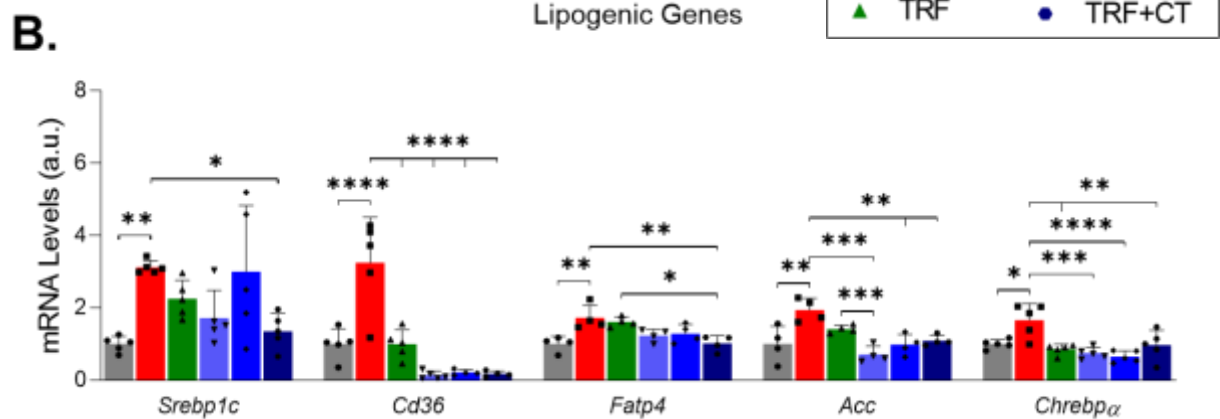
Tukey's multiple comp	Mean Diff.	95.00% CI of diff.	Significant?	Summary
CTL vs. OB	-3.346	-4.886 to -1.806	Yes	*****
CTL vs. TRF	-0.6200	-2.160 to 0.9196	No	ns
CTL vs. TRF+AT	-0.8757	-2.415 to 0.6640	No	ns
CTL vs. TRF+RT	0.06124	-1.572 to 1.694	No	ns
CTL vs. TRF+CT	-0.3333	-1.966 to 1.300	No	ns
OB vs. TRF	2.726	1.186 to 4.266	Yes	***
OB vs. TRF+AT	2.470	0.9306 to 4.010	Yes	***
OB vs. TRF+RT	3.407	1.774 to 5.040	Yes	*****
OB vs. TRF+CT	3.013	1.380 to 4.646	Yes	***
TRF vs. TRF+AT	-0.2557	-1.795 to 1.284	No	ns
TRF vs. TRF+RT	0.6813	-0.9518 to 2.314	No	ns
TRF vs. TRF+CT	0.2867	-1.346 to 1.920	No	ns
TRF+AT vs. TRF+RT	0.9369	-0.6961 to 2.570	No	ns
TRF+AT vs. TRF+CT	0.5424	-1.091 to 2.175	No	ns
TRF+RT vs. TRF+CT	-0.3946	-2.116 to 1.327	No	ns

Ordinary one-way ANOVA
ANOVA results

Il16

Tukey's multiple comp	Mean Diff.	95.00% CI of diff.	Significant?	Summary
CTL vs. OB	-1.786	-2.836 to -0.7364	Yes	***
CTL vs. TRF	-0.1002	-1.150 to 0.9498	No	ns
CTL vs. TRF+AT	-0.6791	-1.729 to 0.3709	No	ns
CTL vs. TRF+RT	-0.8439	-1.894 to 0.2062	No	ns
CTL vs. TRF+CT	-0.8057	-1.856 to 0.2443	No	ns
OB vs. TRF	1.686	0.6962 to 2.676	Yes	***
OB vs. TRF+AT	1.107	0.1174 to 2.097	Yes	*
OB vs. TRF+RT	0.9426	-0.04739 to 1.933	No	ns
OB vs. TRF+CT	0.9807	-0.009262 to 1.971	No	ns
TRF vs. TRF+AT	-0.5789	-1.569 to 0.4111	No	ns
TRF vs. TRF+RT	-0.7436	-1.734 to 0.2463	No	ns
TRF vs. TRF+CT	-0.7055	-1.695 to 0.2845	No	ns
TRF+AT vs. TRF+RT	-0.1647	-1.155 to 0.8252	No	ns
TRF+AT vs. TRF+CT	-0.1266	-1.117 to 0.8634	No	ns
TRF+RT vs. TRF+CT	0.03813	-0.9518 to 1.028	No	ns

Figure 8



Grouped	CTL				
	A:1	A:2	A:3	A:4	A:5
<i>Srebp1c</i>	0.887429097	1.260036795	0.698314463	1.058446800	1.095772846
<i>Cd36</i>	1.539183000	0.992407000	1.046716000	0.354186000	1.067508000
<i>Fatp4</i>	1.080762000	0.687602000	1.055737000	1.175899000	
<i>Acc</i>	1.172949000	0.381210000	0.885310000	1.560532000	
<i>Chrebpα</i>	1.001702594	1.040259434	0.971761959	0.818659063	1.167616950

Grouped	OB				
	B:1	B:2	B:3	B:4	B:5
<i>Srebp1c</i>	3.129078679	3.431894818	3.092996792	2.987637967	2.987637967
<i>Cd36</i>	3.720409000	4.276095000	4.096215000	1.183342000	2.974420000
<i>Fatp4</i>	1.648288000	1.471051000	2.237158000	1.552493000	
<i>Acc</i>	2.283715000	1.735957000	2.152980000	1.607536000	
<i>Chrebpα</i>	1.388307466	0.997068280	1.858027668	2.041016123	2.035843755

Grouped	TRF				
	C:1	C:2	C:3	C:4	C:5
<i>Srebp1c</i>	1.675619985	2.229656610	2.504911738	2.973208870	1.891796853
<i>Cd36</i>	0.466585000	0.794205000	1.034888000	1.129715000	1.563987000
<i>Fatp4</i>	1.573301000	1.627001000	1.797030000	1.460852000	
<i>Acc</i>	1.295673000	1.442031000	1.375222000	1.554395000	
<i>Chrebpα</i>	0.611600164	0.930547677	0.912867451	0.851435745	0.973284927

Grouped	TRF+AT				
	D:1	D:2	D:3	D:4	D:5
<i>Srebp1c</i>	1.524666906	1.403664373	1.027960421	3.037755373	1.624019590
<i>Cd36</i>	0.059447000	0.053646000	0.099972000	0.170588000	0.312912000
<i>Fatp4</i>	1.005428000	1.344733000	1.214765000	1.388831000	
<i>Acc</i>	0.526518000	0.671413000	0.601199000	1.048798000	
<i>Chrebpα</i>	0.663647339	0.986295927	0.727300333	0.797186050	0.576202749

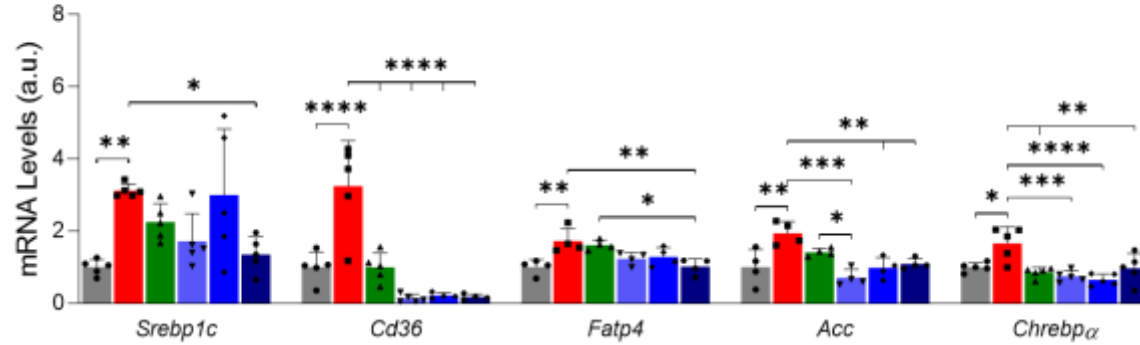
Grouped	TRF+RT				
	E:1	E:2	E:3	E:4	E:5
<i>Srebp1c</i>	5.196584688	2.504126993	0.863962080	1.850756654	4.592780419
<i>Cd36</i>	0.201829000	0.138165000	0.321355000	0.195852000	
<i>Fatp4</i>	1.155891000	1.418930000	1.010577000	1.587350000	
<i>Acc</i>	0.894198000	1.047267000	0.640924000	1.338986000	
<i>Chrebpα</i>	0.822008665	0.544340737	0.611958316	0.472292867	0.811297361

Grouped	TRF+CT				
	F:1	F:2	F:3	F:4	F:5
<i>Srebp1c</i>	1.961555970	1.640182137	1.358763536	0.657846028	1.175292715
<i>Cd36</i>	0.151855000	0.275235000	0.180690000	0.093949000	
<i>Fatp4</i>	0.726003000	1.191317000	0.972259000	1.174531000	
<i>Acc</i>	1.059115000	1.056511000	0.965484000	1.309320000	
<i>Chrebpα</i>	1.151564798	1.009514628	1.479747443	0.351618768	0.847031770

Figure 8

B.

Lipogenic Genes



Ordinary one-way ANOVA ANOVA results

Cd36

Tukey's multiple com	Mean Diff.	95.00% CI of diff.	Significant?	Summary
CTL vs. OB	-2.250	-3.423 to -1.077	Yes	****
CTL vs. TRF	0.002124	-1.171 to 1.175	No	ns
CTL vs. TRF+AT	0.8607	-0.3121 to 2.034	No	ns
CTL vs. TRF+RT	0.7857	-0.4583 to 2.030	No	ns
CTL vs. TRF+CT	0.8246	-0.4194 to 2.069	No	ns
OB vs. TRF	2.252	1.079 to 3.425	Yes	****
OB vs. TRF+AT	3.111	1.938 to 4.284	Yes	****
OB vs. TRF+RT	3.036	1.792 to 4.280	Yes	****
OB vs. TRF+CT	3.075	1.831 to 4.319	Yes	****
TRF vs. TRF+AT	0.8586	-0.3143 to 2.031	No	ns
TRF vs. TRF+RT	0.7836	-0.4604 to 2.028	No	ns
TRF vs. TRF+CT	0.8224	-0.4215 to 2.066	No	ns
TRF+AT vs. TRF+RT	-0.07499	-1.319 to 1.169	No	ns
TRF+AT vs. TRF+CT	-0.03612	-1.280 to 1.208	No	ns
TRF+RT vs. TRF+CT	0.03887	-1.272 to 1.350	No	ns

Ordinary one-way ANOVA ANOVA results

Srebp1c

Tukey's multiple com	Mean Diff.	95.00% CI of diff.	Significant?	Summary
CTL vs. OB	-2.126	-3.828 to -0.4237	Yes	**
CTL vs. TRF	-1.255	-2.957 to 0.4472	No	ns
CTL vs. TRF+AT	-0.7236	-2.426 to 0.9786	No	ns
CTL vs. TRF+RT	-2.002	-3.704 to -0.2994	Yes	*
CTL vs. TRF+CT	-0.3587	-2.061 to 1.343	No	ns
OB vs. TRF	0.8708	-0.8314 to 2.573	No	ns
OB vs. TRF+AT	1.402	-0.3000 to 3.104	No	ns
OB vs. TRF+RT	0.1242	-1.578 to 1.826	No	ns
OB vs. TRF+CT	1.767	0.06493 to 3.469	Yes	*
TRF vs. TRF+AT	0.5314	-1.171 to 2.234	No	ns
TRF vs. TRF+RT	-0.7466	-2.449 to 0.9556	No	ns
TRF vs. TRF+CT	0.8963	-0.8059 to 2.599	No	ns
TRF+AT vs. TRF+RT	-1.278	-2.980 to 0.4242	No	ns
TRF+AT vs. TRF+CT	0.3649	-1.337 to 2.067	No	ns
TRF+RT vs. TRF+CT	1.643	-0.05928 to 3.345	No	ns

Ordinary one-way ANOVA ANOVA results

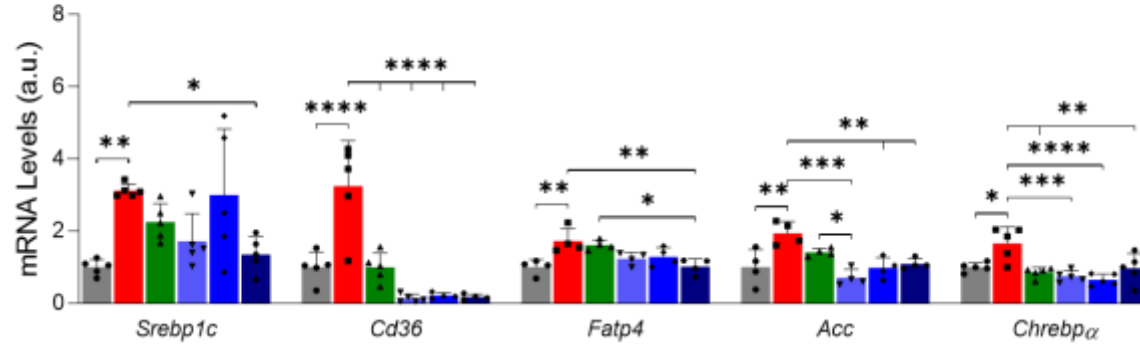
Fatp4

Tukey's multiple com	Mean Diff.	95.00% CI of diff.	Significant?	Summary
CTL vs. OB	-0.7272	-1.255 to -0.1999	Yes	**
CTL vs. TRF	-0.6145	-1.142 to -0.08724	Yes	*
CTL vs. TRF+AT	-0.2384	-0.7657 to 0.2889	No	ns
CTL vs. TRF+RT	-0.2932	-0.8205 to 0.2341	No	ns
CTL vs. TRF+CT	-0.01603	-0.5433 to 0.5113	No	ns
OB vs. TRF	0.1127	-0.4146 to 0.6400	No	ns
OB vs. TRF+AT	0.4888	-0.03849 to 1.016	No	ns
OB vs. TRF+RT	0.4341	-0.09324 to 0.9614	No	ns
OB vs. TRF+CT	0.7112	0.1839 to 1.239	Yes	**
TRF vs. TRF+AT	0.3761	-0.1512 to 0.9034	No	ns
TRF vs. TRF+RT	0.3214	-0.2059 to 0.8487	No	ns
TRF vs. TRF+CT	0.5985	0.07122 to 1.126	Yes	*
TRF+AT vs. TRF+RT	-0.05475	-0.5821 to 0.4726	No	ns
TRF+AT vs. TRF+CT	0.2224	-0.3049 to 0.7497	No	ns
TRF+RT vs. TRF+CT	0.2772	-0.2501 to 0.8045	No	ns

Figure 8

B.

Lipogenic Genes



Ordinary one-way ANOVA
ANOVA results

Acc

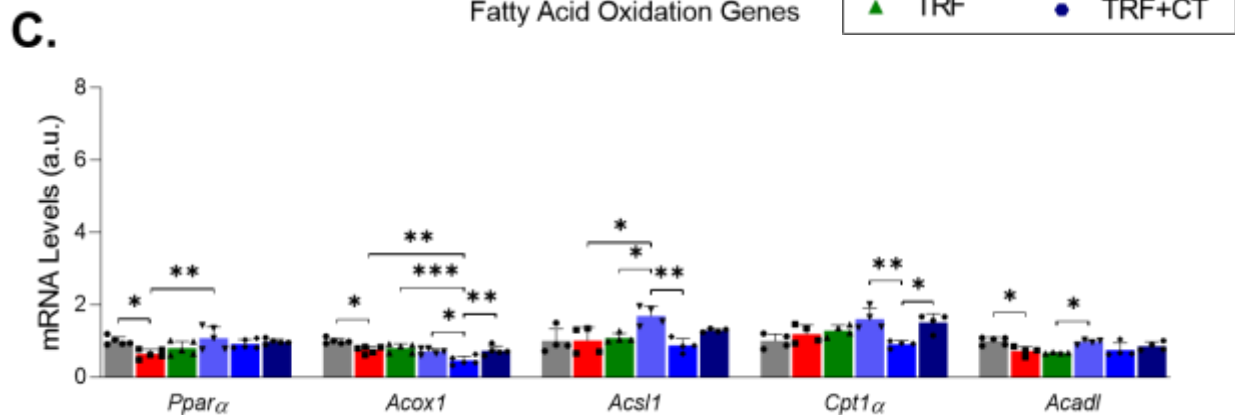
Tukey's multiple com	Mean Diff.	95.00% CI of diff.	Significant?	Summary
CTL vs. OB	-0.9450	-1.610 to -0.2804	Yes	**
CTL vs. TRF	-0.4168	-1.081 to 0.2478	No	ns
CTL vs. TRF+AT	0.2880	-0.3766 to 0.9527	No	ns
CTL vs. TRF+RT	0.01966	-0.6450 to 0.6843	No	ns
CTL vs. TRF+CT	-0.09761	-0.7623 to 0.5670	No	ns
OB vs. TRF	0.5282	-0.1364 to 1.193	No	ns
OB vs. TRF+AT	1.233	0.5684 to 1.898	Yes	***
OB vs. TRF+RT	0.9647	0.3000 to 1.629	Yes	**
OB vs. TRF+CT	0.8474	0.1828 to 1.512	Yes	**
TRF vs. TRF+AT	0.7048	0.04019 to 1.370	Yes	*
TRF vs. TRF+RT	0.4365	-0.2282 to 1.101	No	ns
TRF vs. TRF+CT	0.3192	-0.3454 to 0.9839	No	ns
TRF+AT vs. TRF+RT	-0.2684	-0.9330 to 0.3963	No	ns
TRF+AT vs. TRF+CT	-0.3856	-1.050 to 0.2790	No	ns
TRF+RT vs. TRF+CT	-0.1173	-0.7819 to 0.5474	No	ns

Ordinary one-way ANOVA
ANOVA results

Chrebp

Tukey's multiple comp	Mean Diff.	95.00% CI of diff.	Significant?	Summary
CTL vs. OB	-0.6641	-1.210 to -0.1178	Yes	*
CTL vs. TRF	0.1441	-0.4022 to 0.6903	No	ns
CTL vs. TRF+AT	0.2499	-0.2963 to 0.7961	No	ns
CTL vs. TRF+RT	0.3476	-0.1986 to 0.8938	No	ns
CTL vs. TRF+CT	0.03210	-0.5141 to 0.5783	No	ns
OB vs. TRF	0.8081	0.2619 to 1.354	Yes	**
OB vs. TRF+AT	0.9139	0.3677 to 1.460	Yes	***
OB vs. TRF+RT	1.012	0.4655 to 1.558	Yes	****
OB vs. TRF+CT	0.6962	0.1500 to 1.242	Yes	**
TRF vs. TRF+AT	0.1058	-0.4404 to 0.6520	No	ns
TRF vs. TRF+RT	0.2036	-0.3426 to 0.7498	No	ns
TRF vs. TRF+CT	-0.1119	-0.6582 to 0.4343	No	ns
TRF+AT vs. TRF+RT	0.09775	-0.4485 to 0.6440	No	ns
TRF+AT vs. TRF+CT	-0.2178	-0.7640 to 0.3284	No	ns
TRF+RT vs. TRF+CT	-0.3155	-0.8617 to 0.2307	No	ns

Figure 8



Grouped	CTL				
	A:1	A:2	A:3	A:4	A:5
<i>Ppara</i>	0.941077	1.193828	0.905997	1.033811	0.925287
<i>Acox1</i>	1.005045	0.984116	0.942039	1.131627	0.937173
<i>Acsl1</i>	0.896405	0.722213	0.875585	1.505798	
<i>Cpt1a</i>	1.130362	0.881100	0.779851	1.208687	
<i>Acadl</i>	1.083813	0.867895	1.058327	1.088911	0.901055

Grouped	OB				
	B:1	B:2	B:3	B:4	B:5
<i>Ppara</i>	0.589391	0.485547	0.777501	0.759710	0.617076
<i>Acox1</i>	0.689065	0.798911	0.617283	0.829397	0.834517
<i>Acsl1</i>	1.351517	1.316895	0.705477	0.654845	
<i>Cpt1a</i>	1.347010	0.933466	1.469235	1.025881	
<i>Acadl</i>	0.847781	0.746254	0.557473	0.739554	

Grouped	TRF				
	C:1	C:2	C:3	C:4	C:5
<i>Ppara</i>	1.015883	0.607353	0.989838	0.746536	0.649665
<i>Acox1</i>	0.916749	0.669846	0.891140	0.856200	0.670290
<i>Acsl1</i>	0.994310	1.045481	1.036690	1.279020	
<i>Cpt1a</i>	1.457503	1.232042	1.366466	1.094636	
<i>Acadl</i>	0.664960	0.688023	0.655877	0.678567	

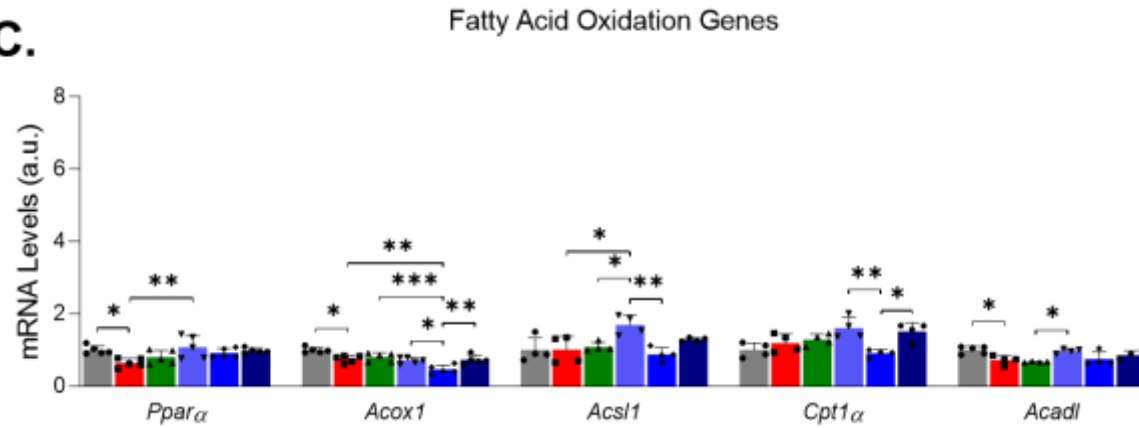
Grouped	TRF+AT				
	D:1	D:2	D:3	D:4	D:5
<i>Ppara</i>	0.768040	1.082055	1.356077	1.436119	0.785690
<i>Acox1</i>	0.790282	0.653688	0.710093	0.797284	0.601874
<i>Acsl1</i>	1.960135	1.884554	1.541073	1.403958	
<i>Cpt1a</i>	1.374495	2.017098	1.396034	1.662628	
<i>Acadl</i>	1.012090	0.889632	0.968824	1.038579	

Grouped	TRF+RT				
	E:1	E:2	E:3	E:4	E:5
<i>Ppara</i>	0.819837	1.035629	0.840565	0.817529	1.086245
<i>Acox1</i>	0.532572	0.331703	0.409616	0.403112	0.638877
<i>Acsl1</i>	0.877930	1.120128	0.859654	0.652872	
<i>Cpt1a</i>	0.773487	0.929028	1.005808	0.941441	
<i>Acadl</i>	0.629113	0.653053	0.670870	1.049262	

Grouped	TRF+CT				
	F:1	F:2	F:3	F:4	F:5
<i>Ppara</i>	0.900893	1.006636	1.098368	0.961272	0.954828
<i>Acox1</i>	0.728245	0.938854	0.710660	0.688630	0.596642
<i>Acsl1</i>	1.270346	1.324715	1.347046	1.250358	
<i>Cpt1a</i>	1.158129	1.573263	1.671292	1.677253	
<i>Acadl</i>	0.769914	1.008141	0.895269	0.752113	

Figure 8

C.



Ordinary one-way ANOVA
ANOVA results

Acox1

Tukey's multiple com	Mean Diff.	95.00% CI of diff.	Significant?	Summary
CTL vs. OB	0.2462	0.03772 to 0.4546	Yes	*
CTL vs. TRF	0.1992	-0.009289 to 0.4076	No	ns
CTL vs. TRF+AT	0.2894	0.08091 to 0.4978	Yes	**
CTL vs. TRF+RT	0.5368	0.3284 to 0.7453	Yes	****
CTL vs. TRF+CT	0.2674	0.05895 to 0.4758	Yes	**
OB vs. TRF	-0.04701	-0.2555 to 0.1614	No	ns
OB vs. TRF+AT	0.04319	-0.1653 to 0.2516	No	ns
OB vs. TRF+RT	0.2907	0.08221 to 0.4991	Yes	**
OB vs. TRF+CT	0.02123	-0.1872 to 0.2297	No	ns
TRF vs. TRF+AT	0.09020	-0.1182 to 0.2986	No	ns
TRF vs. TRF+RT	0.3377	0.1292 to 0.5461	Yes	***
TRF vs. TRF+CT	0.06824	-0.1402 to 0.2767	No	ns
TRF+AT vs. TRF+RT	0.2475	0.03902 to 0.4559	Yes	*
TRF+AT vs. TRF+CT	-0.02196	-0.2304 to 0.1865	No	ns
TRF+RT vs. TRF+CT	-0.2694	-0.4779 to -0.06099	Yes	**

Ordinary one-way ANOVA
ANOVA results

Ppara

Tukey's multiple com	Mean Diff.	95.00% CI of diff.	Significant?	Summary
CTL vs. OB	0.3542	0.01116 to 0.6971	Yes	*
CTL vs. TRF	0.1981	-0.1448 to 0.5411	No	ns
CTL vs. TRF+AT	-0.08560	-0.4286 to 0.2574	No	ns
CTL vs. TRF+RT	0.08004	-0.2630 to 0.4230	No	ns
CTL vs. TRF+CT	0.01560	-0.3274 to 0.3586	No	ns
OB vs. TRF	-0.1560	-0.4990 to 0.1870	No	ns
OB vs. TRF+AT	-0.4398	-0.7827 to -0.09676	Yes	**
OB vs. TRF+RT	-0.2741	-0.6171 to 0.06888	No	ns
OB vs. TRF+CT	-0.3386	-0.6815 to 0.004439	No	ns
TRF vs. TRF+AT	-0.2837	-0.6267 to 0.05925	No	ns
TRF vs. TRF+RT	-0.1181	-0.4611 to 0.2249	No	ns
TRF vs. TRF+CT	-0.1825	-0.5255 to 0.1604	No	ns
TRF+AT vs. TRF+RT	0.1656	-0.1774 to 0.5086	No	ns
TRF+AT vs. TRF+CT	0.1012	-0.2418 to 0.4442	No	ns
TRF+RT vs. TRF+CT	-0.06444	-0.4074 to 0.2786	No	ns

Ordinary one-way ANOVA
ANOVA results

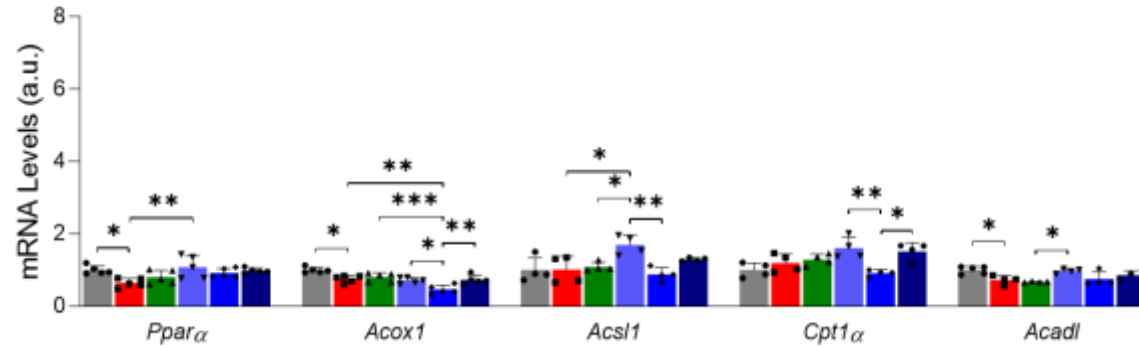
Acs1

Tukey's multiple com	Mean Diff.	95.00% CI of diff.	Significant?	Summary
CTL vs. OB	-0.007183	-0.5799 to 0.5655	No	ns
CTL vs. TRF	-0.08888	-0.6616 to 0.4838	No	ns
CTL vs. TRF+AT	-0.6974	-1.270 to -0.1248	Yes	*
CTL vs. TRF+RT	0.1224	-0.4503 to 0.6950	No	ns
CTL vs. TRF+CT	-0.2981	-0.8708 to 0.2746	No	ns
OB vs. TRF	-0.08169	-0.6544 to 0.4910	No	ns
OB vs. TRF+AT	-0.6902	-1.263 to -0.1176	Yes	*
OB vs. TRF+RT	0.1295	-0.4431 to 0.7022	No	ns
OB vs. TRF+CT	-0.2909	-0.8636 to 0.2817	No	ns
TRF vs. TRF+AT	-0.6086	-1.181 to -0.03588	Yes	*
TRF vs. TRF+RT	0.2112	-0.3614 to 0.7839	No	ns
TRF vs. TRF+CT	-0.2092	-0.7819 to 0.3634	No	ns
TRF+AT vs. TRF+RT	0.8198	0.2471 to 1.392	Yes	**
TRF+AT vs. TRF+CT	0.3993	-0.1734 to 0.9720	No	ns
TRF+RT vs. TRF+CT	-0.4205	-0.9931 to 0.1522	No	ns

Figure 8

C.

Fatty Acid Oxidation Genes



Ordinary one-way ANOVA ANOVA results

Cpt1α

Tukey's multiple com	Mean Diff.	95.00% CI of diff.	Significant?	Summary
CTL vs. OB	-0.1939	-0.6891 to 0.3013	No	ns
CTL vs. TRF	-0.2877	-0.7829 to 0.2076	No	ns
CTL vs. TRF+AT	-0.6126	-1.108 to -0.1173	Yes	*
CTL vs. TRF+RT	0.08756	-0.4077 to 0.5828	No	ns
CTL vs. TRF+CT	-0.5200	-1.015 to -0.02477	Yes	*
OB vs. TRF	-0.09376	-0.5890 to 0.4015	No	ns
OB vs. TRF+AT	-0.4187	-0.9139 to 0.07655	No	ns
OB vs. TRF+RT	0.2815	-0.2138 to 0.7767	No	ns
OB vs. TRF+CT	-0.3261	-0.8213 to 0.1691	No	ns
TRF vs. TRF+AT	-0.3249	-0.8201 to 0.1703	No	ns
TRF vs. TRF+RT	0.3752	-0.1200 to 0.8704	No	ns
TRF vs. TRF+CT	-0.2323	-0.7275 to 0.2629	No	ns
TRF+AT vs. TRF+RT	0.7001	0.2049 to 1.195	Yes	**
TRF+AT vs. TRF+CT	0.09258	-0.4026 to 0.5878	No	ns
TRF+RT vs. TRF+CT	-0.6075	-1.103 to -0.1123	Yes	*

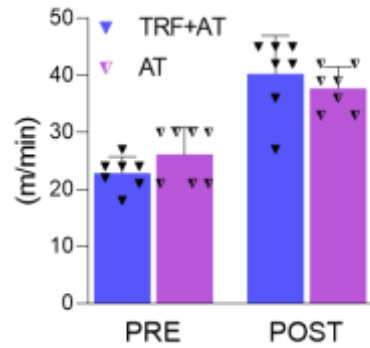
Ordinary one-way ANOVA ANOVA results

Acadl

Tukey's multiple com	Mean Diff.	95.00% CI of diff.	Significant?	Summary
CTL vs. OB	0.2772	0.02672 to 0.5277	Yes	*
CTL vs. TRF	0.3281	0.07763 to 0.5787	Yes	**
CTL vs. TRF+AT	0.02272	-0.2278 to 0.2732	No	ns
CTL vs. TRF+RT	0.2494	-0.001088 to 0.4999	No	ns
CTL vs. TRF+CT	0.1436	-0.1069 to 0.3942	No	ns
OB vs. TRF	0.05091	-0.2132 to 0.3150	No	ns
OB vs. TRF+AT	-0.2545	-0.5186 to 0.009549	No	ns
OB vs. TRF+RT	-0.02781	-0.2919 to 0.2363	No	ns
OB vs. TRF+CT	-0.1336	-0.3977 to 0.1305	No	ns
TRF vs. TRF+AT	-0.3054	-0.5695 to -0.04136	Yes	*
TRF vs. TRF+RT	-0.07872	-0.3428 to 0.1853	No	ns
TRF vs. TRF+CT	-0.1845	-0.4486 to 0.07956	No	ns
TRF+AT vs. TRF+RT	0.2267	-0.03736 to 0.4908	No	ns
TRF+AT vs. TRF+CT	0.1209	-0.1431 to 0.3850	No	ns
TRF+RT vs. TRF+CT	-0.1058	-0.3698 to 0.1583	No	ns

Figure S1

A. Exhaustion Velocity



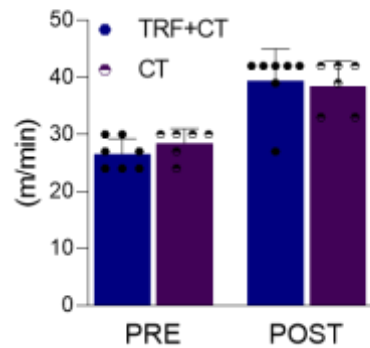
Grouped		TRF+AT						
	✕	A:1	A:2	A:3	A:4	A:5	A:6	A:7
PRE		22.0	18.0	21.0	24.0	24.0	24.0	27.0
POST		45.0	45.0	36.0	45.0	27.0	42.0	42.0

Grouped		AT						
	✕	B:1	B:2	B:3	B:4	B:5	B:6	B:7
PRE		30	30	21	30	21	30	21
POST		42	39	33	39	36	42	33

Shapiro-Wilk test		
W	N too small	N too small
P value		
Passed normality test		
P value summary		

2way ANOVA				
Multiple comparisons				
Sidak's multipl	Mean Diff.	95.00% CI of diff.	Significant?	Summary
TRF+AT - AT				
PRE	-3.286	-9.347 to 2.776	No	ns
POST	2.571	-3.490 to 8.633	No	ns

B. Exhaustion Velocity



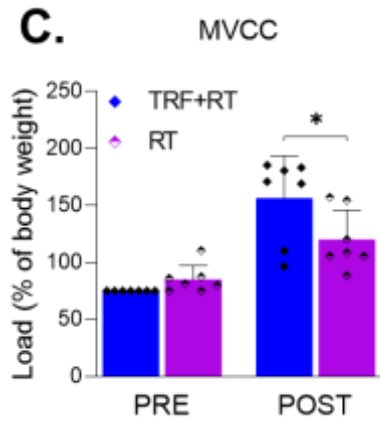
Grouped		TRF+CT						
	✕	A:1	A:2	A:3	A:4	A:5	A:6	A:7
PRE		27	27	30	30	24	24	24
POST		42	42	42	42	42	27	39

Grouped		CT						
	✕	B:1	B:2	B:3	B:4	B:5	B:6	B:7
PRE		27	24	30	30	30	30	
POST		33	33	39	42	42	42	

Shapiro-Wilk test		
W	N too small	N too small
P value		
Passed normality		
P value summary		

2way ANOVA				
Multiple comparisons				
Sidak's multipl	Mean Diff.	95.00% CI of diff.	Significant?	Summary
TRF+CT - CT				
PRE	-1.929	-7.332 to 3.475	No	ns
POST	0.9286	-4.475 to 6.332	No	ns

Figure S1



Grouped		TRF+RT						
	✕	A:1	A:2	A:3	A:4	A:5	A:6	A:7
PRE		75.00000000	75.00000000	75.00000000	75.00000000	75.00000000	75.00000000	75.00000000
POST		96.51308713	185.2181401	183.2802548	180.5555556	110.4121582	170.9488273	169.0438871

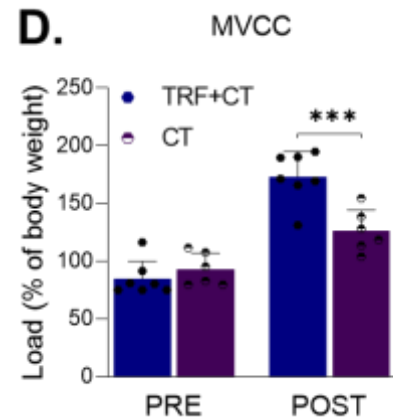
Grouped		RT						
	✕	B:1	B:2	B:3	B:4	B:5	B:6	B:7
PRE		87.57071025	79.9652433	86.22124556	75.00000000	75.00000000	110.6040826	81.40341515
POST		157.2669104	105.5395317	108.7394564	154.3973941	88.49325337	105.5810398	120.2879017

Shapiro-Wilk test		
W	N too small	N too small
P value		
Passed normality		
P value summary		

2way ANOVA

Multiple comparisons

Sidak's multip	Mean Diff.	95.00% CI of diff.	Significant?	Summary
TRF+RT - RT				
PRE	-10.11	-40.03 to 19.81	No	ns
POST	36.52	6.603 to 66.45	Yes	*



Grouped		TRF+CT						
	✕	A:1	A:2	A:3	A:4	A:5	A:6	A:7
PRE		80.26685393	75.00000000	91.47748078	116.3721772	75.00000000	75.00000000	80.90086546
POST		171.2962963	131.1330561	194.8934281	189.6419952	190.2802893	169.4881890	166.0010111

Grouped		CT						
	✕	B:1	B:2	B:3	B:4	B:5	B:6	B:7
PRE		79.68018721	79.76947536	82.87608296	111.6121552	95.34358047	107.5379610	
POST		103.8507774	118.5132957	113.4615385	138.4081902	127.9450695	154.4176042	

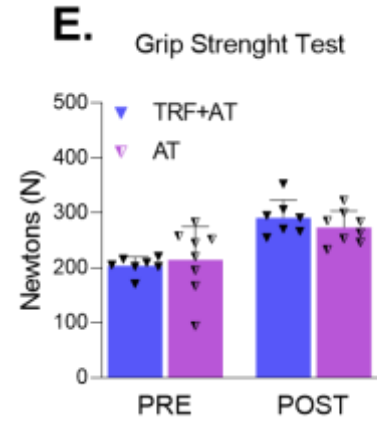
Shapiro-Wilk test		
W	N too small	N too small
P value		
Passed normality		
P value summary		

2way ANOVA

Multiple comparisons

Sidak's multip	Mean Diff.	95.00% CI of diff.	Significant?	Summary
TRF+CT - CT				
PRE	-7.944	-31.63 to 15.74	No	ns
POST	47.15	23.47 to 70.83	Yes	***

Figure S1



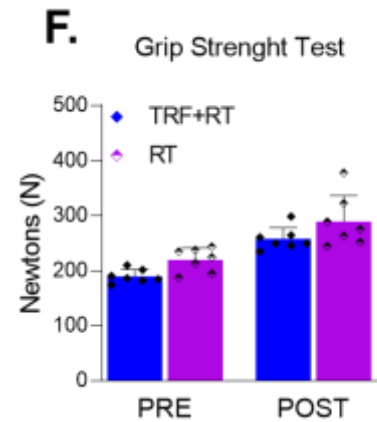
Grouped		TRF+TA							
	x	A:1	A:2	A:3	A:4	A:5	A:6	A:7	A:8
PRE		209.333	220.6670	215.6670	202.3330	205.0000	170.6670	202.3330	
POST		291.000	266.3333	352.6667	270.6667	295.0000	254.6667	306.0000	

Grouped		TA							
	x	B:1	B:2	B:3	B:4	B:5	B:6	B:7	B:8
PRE		220.0000	166.6670	283.0000	195.3330	251.6670	257.6670	94.3333	245.3330
POST		285.6667	246.0000	300.3333	264.0000	253.3333	284.0000	322.6667	233.3333

Shapiro-Wilk test		
W	N too small	N too small
P value		
Passed normality		
P value summary		

2way ANOVA Multiple comparisons

Sidak's multiple	Mean Diff.	95.00% CI of diff.	Significant?	Summary
TRF+TA - TA				
PRE	-10.54	-58.84 to 37.77	No	ns
POST	17.24	-31.07 to 65.54	No	ns



Grouped		TRF+RT						
	x	A:1	A:2	A:3	A:4	A:5	A:6	A:7
PRE		184.3330	174.0000	201.3330	209.6670	186.0000	182.0000	190.3330
POST		245.6667	264.3333	235.0000	249.3333	249.3333	260.6667	298.6667

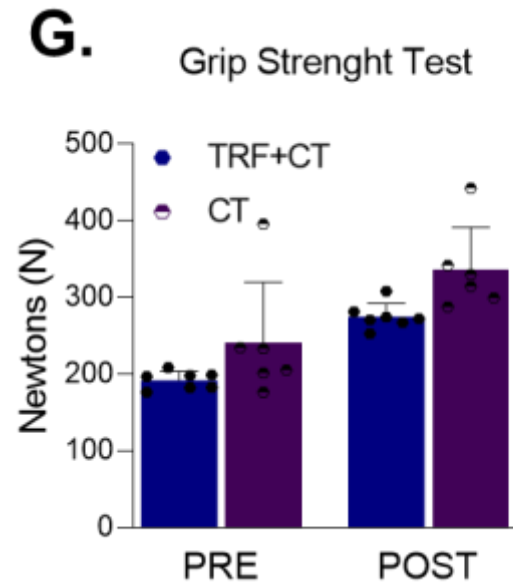
Grouped		RT						
	x	B:1	B:2	B:3	B:4	B:5	B:6	B:7
PRE		187.333	237.6670	243.667	194.3330	213.6670	234.6670	224.3330
POST		263.000	289.3333	378.000	251.6667	275.6667	244.3333	322.6667

Shapiro-Wilk test		
W	N too small	N too small
P value		
Passed normality t		
P value summary		

2way ANOVA Multiple comparisons

Sidak's multip	Mean Diff.	95.00% CI of diff.	Significant?	Summary
TRF+RT - RT				
PRE	-29.71	-66.13 to 6.700	No	ns
POST	-31.67	-68.08 to 4.748	No	ns

Figure S1



Grouped	TRF+CT						
<div>⊗</div>	A:1	A:2	A:3	A:4	A:5	A:6	A:7
PRE	198.0000	199.0000	208.6670	176.3330	197.0000	182.3330	182.6670
POST	267.3333	308.0000	270.6667	252.6667	272.3333	274.3333	281.3333

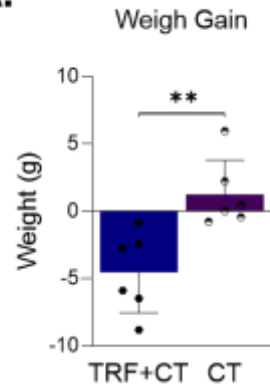
Grouped	CT						
<div>⊗</div>	B:1	B:2	B:3	B:4	B:5	B:6	B:7
PRE	395.6670	205.3330	176.3330	234.3330	201.3330	233.3330	
POST	314.3333	329.6667	299.3333	342.0000	287.6667	442.3333	

Shapiro-Wilk test		
W	N too small	N too small
P value		
Passed normality test (alpha=0.05)?		
P value summary		

2way ANOVA				
Multiple comparisons				
Sidak's multiple comparisons test	Mean Diff.	95.00% CI of diff.	Significant?	Summary
TRF+CT - CT				
PRE	-49.06	-112.1 to 14.02	No	ns
POST	-60.65	-123.7 to 2.424	No	ns

Figure S2

A.

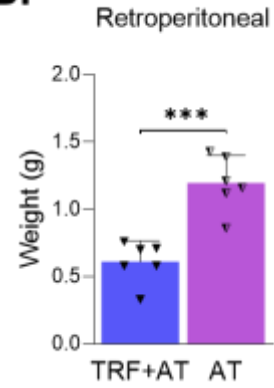


TRF+CT	CT
-2.77	-0.76
-5.90	0.01
-8.81	2.23
-2.44	-0.43
-0.88	5.97
-6.48	0.47

Shapiro-Wilk test		
W	0.9460	0.8112
P value	0.7082	0.0739
Passed normality	Yes	Yes
P value summary	ns	ns

Unpaired t test	
P value	0.0047
P value summary	**
Significantly different (P < 0.05)?	Yes
One- or two-tailed P value?	Two-tailed
t, df	t=3.616, df=10

B.

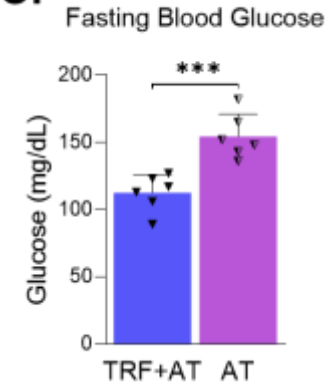


TRF+AT	AT
0.33	1.12
0.76	0.86
0.71	1.39
0.58	1.43
0.58	1.21
0.70	1.16

Shapiro-Wilk test		
W	0.8667	0.9388
P value	0.2132	0.6495
Passed normality	Yes	Yes
P value summary	ns	ns

Unpaired t test	
P value	0.0002
P value summary	***
Significantly different (P < 0.05)?	Yes
One- or two-tailed P value?	Two-tailed
t, df	t=5.550, df=10

C.



TRF+AT	AT
89	152
106	143
127	148
113	165
117	182
123	136

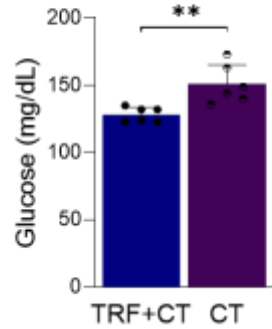
Shapiro-Wilk test		
W	0.9339	0.9383
P value	0.6107	0.6455
Passed normality test	Yes	Yes
P value summary	ns	ns

Unpaired t test	
P value	0.0008
P value summary	***
Significantly different (P < 0.05)?	Yes
One- or two-tailed P value?	Two-tailed
t, df	t=4.752, df=10

Figure S2

D.

Fasting Blood Glucose



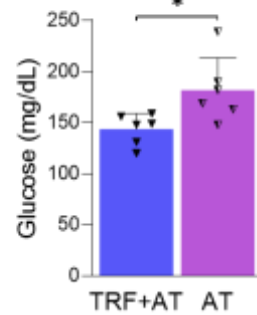
TRF+CT	CT
123.000000000	173.000000
132.000000000	149.000000
135.000000000	140.000000
124.000000000	136.000000
132.000000000	144.000000
123.000000000	163.000000

Shapiro-Wilk test		
W	0.8163	0.9171
P value	0.0820	0.4849
Passed normality test	Yes	Yes
P value summary	ns	ns

Unpaired t test	
P value	0.0047
P value summary	**
Significantly different (P < 0.05)?	Yes
One- or two-tailed P value?	Two-tailed
t, df	t=3.624, df=10

E.

Postprandial Blood Glucose



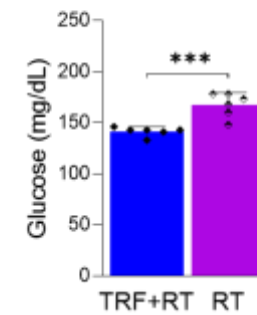
TRF+AT	AT
131	163
148	169
120	190
149	148
156	182
159	239

Shapiro-Wilk test		
W	0.8968	0.9044
P value	0.3555	0.4004
Passed normality test	Yes	Yes
P value summary	ns	ns

Unpaired t test	
P value	0.0242
P value summary	*
Significantly different (P < 0.05)?	Yes
One- or two-tailed P value?	Two-tailed
t, df	t=2.653, df=10

F.

Postprandial Blood Glucose



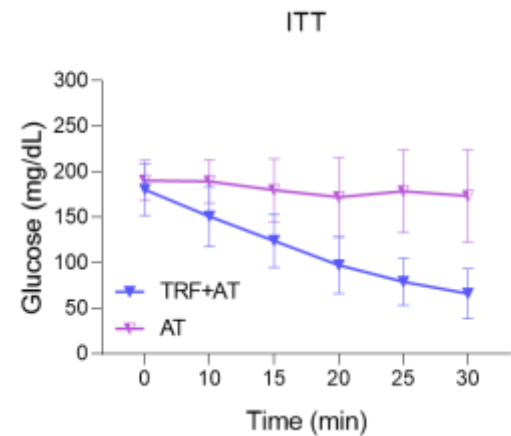
TRF+RT	RT
143	160
133	178
143	148
143	178
146	173
141	168

Shapiro-Wilk test		
W	0.7997	0.8934
P value	0.0584	0.3364
Passed normality test	Yes	Yes
P value summary	ns	ns

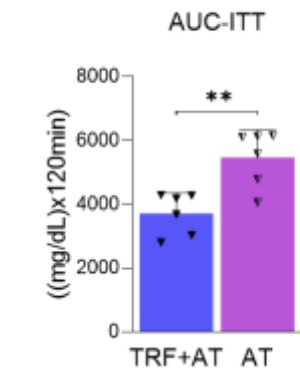
Unpaired t test	
P value	0.0005
P value summary	***
Significantly different (P < 0.05)?	Yes
One- or two-tailed P value?	Two-tailed
t, df	t=5.076, df=10

Figure S2

G.



H.



TRF+AT	AT
2802.5	4050.0
4285.0	6142.5
4175.0	5580.0
3682.5	6105.0
4270.0	4785.0
3025.0	6125.0

Shapiro-Wilk test		
W	0.8413	0.8264
P value	0.1337	0.1002
Passed normality test (alpha=0.05)?	Yes	Yes
P value summary	ns	ns

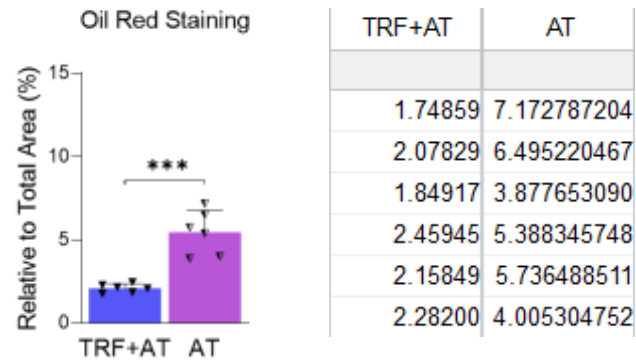
Unpaired t test	
P value	0.0027
P value summary	**
Significantly different (P < 0.05)?	Yes
One- or two-tailed P value?	Two-tailed
t, df	t=3.952, df=10

XY		X Title	TRF+AT					
	X	X	A:Y1	A:Y2	A:Y3	A:Y4	A:Y5	A:Y6
1	0		181	159	186	176	231	150
2	10		111	146	169	159	200	121
3	15		104	163	155	118	118	88
4	20		51	137	126	97	91	83
5	25		43	123	86	78	75	71
6	30		30	112	57	58	78	63

XY		X Title	AT					
	X	X	B:Y1	B:Y2	B:Y3	B:Y4	B:Y5	B:Y6
1	0		191	155	178	205	196	219
2	10		160	198	184	214	166	215
3	15		124	202	197	205	150	202
4	20		102	221	187	194	139	191
5	25		103	231	197	204	151	187
6	30		100	245	162	184	144	207

Figure S3

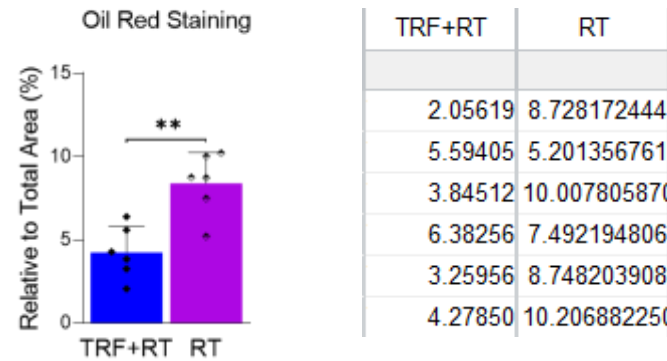
B.



Shapiro-Wilk test		
W	0.9729	0.9319
P value	0.9113	0.5951
Passed normality test	Yes	Yes
P value summary	ns	ns

Unpaired t test	
P value	0.0001
P value summary	***
Significantly different (P < 0.05)?	Yes
One- or two-tailed P value?	Two-tailed
t, df	t=6.096, df=10

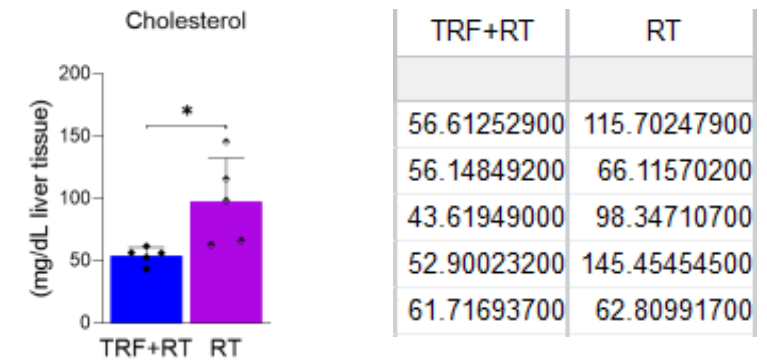
C.



Shapiro-Wilk test		
W	0.9810	0.8997
P value	0.9564	0.3723
Passed normality test	Yes	Yes
P value summary	ns	ns

Unpaired t test	
P value	0.0018
P value summary	**
Significantly different (P < 0.05)?	Yes
One- or two-tailed P value?	Two-tailed

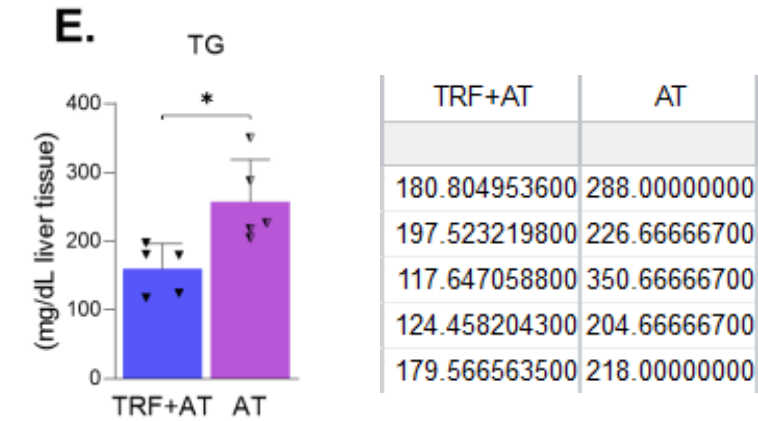
D.



Shapiro-Wilk test		
W	0.9292	0.9285
P value	0.5911	0.5861
Passed normality test	Yes	Yes
P value summary	ns	ns

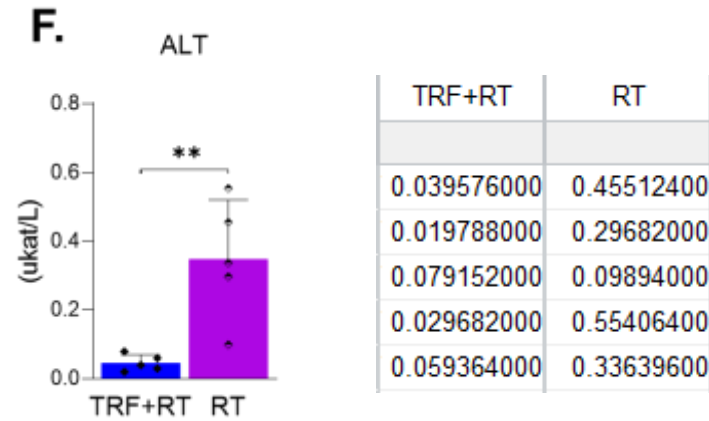
Unpaired t test	
P value	0.0250
P value summary	*
Significantly different (P < 0.05)?	Yes
One- or two-tailed P value?	Two-tailed
t, df	t=2.750, df=8

Figure S3



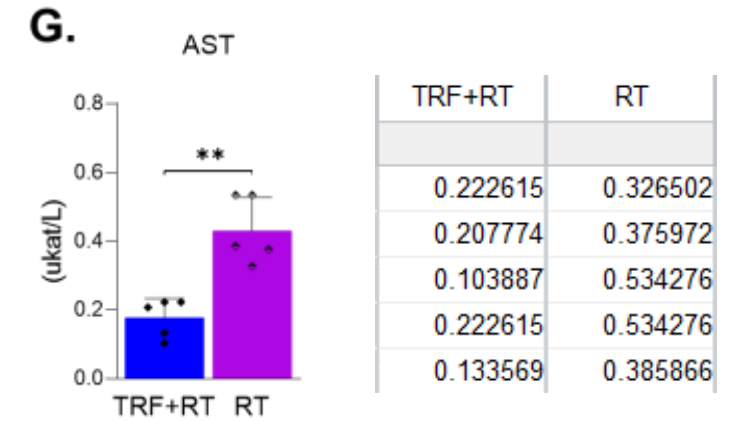
Shapiro-Wilk test		
W	0.8422	0.8705
P value	0.1711	0.2683
Passed normality test	Yes	Yes
P value summary	ns	ns

Unpaired t test	
P value	0.0153
P value summary	*
Significantly different (P < 0.05)?	Yes
One- or two-tailed P value?	Two-tailed
t, df	t=3.072, df=8



Shapiro-Wilk test		
W	0.9570	0.9777
P value	0.7869	0.9221
Passed normality test	Yes	Yes
P value summary	ns	ns

Unpaired t test	
P value	0.0046
P value summary	**
Significantly different (P < 0.05)?	Yes
One- or two-tailed P value?	Two-tailed
t, df	t=3.892, df=8



Shapiro-Wilk test		
W	0.8173	0.8330
P value	0.1113	0.1464
Passed normality test	Yes	Yes
P value summary	ns	ns

Unpaired t test	
P value	0.0009
P value summary	***
Significantly different (P < 0.05)?	Yes
One- or two-tailed P value?	Two-tailed
t, df	t=5.084, df=8