2012.12.12

This report describes data from 2012.12.12 experiment (3 days of D and / or T).

day 1 body weight (g)

Treatment	Average (SD; n)
V	24.2 (0.278; n = 4)
D	24.1 (0.552; n = 5)
T	23.7 (0.627; n = 5)
C	25.3 (0.361; n = 5)

Kruskal-Wallis p value for the four-way comparison is 0.147

	contrastsfour	dunns.P
5	V vs D	0.03809
1	D vs DT	0.3954

Kruskal-Wallis p value for the three-way comparison is 0.148

	Comparison	P value	Direction
3	V vs D	0.03436	V > D
1	D vs DT	0.4081	D < DT

day 2 body weight (g)

Treatment	Average (SD; n)
V	24.6 (0.413; n = 4)
D	24.6 (0.38; n = 5)
T	24.8 (0.606; n = 5)
C	26 (0.306; n = 5)

Kruskal-Wallis p value for the four-way comparison is 0.128

	contrastsfour	dunns.P
5	V vs D	0.02288
1	D vs DT	0.4604

Kruskal-Wallis p value for the three-way comparison is 0.0558

	Comparison	P value	Direction
3	V vs D	0.01705	V > D
1	D vs DT	0.5	D < DT

day 3 body weight (g)

Treatment	Average (SD; n)
V	24.7 (0.243; n = 4)
D	24.5 (0.432; n = 5)
T	25 (0.648; n = 5)
C	26.4 (0.284; n = 5)

Kruskal-Wallis p value for the four-way comparison is 0.0411

	contrastsfour	dunns.P
5	V vs D	0.003748
1	D vs DT	0.3601

Kruskal-Wallis p value for the three-way comparison is 0.0147

	Comparison	P value	Direction
3	V vs D	0.003163	V > D
1	D vs DT	0.3405	D < DT

day 4 body weight (g)

Treatment	Average (SD; n)
V	25 (0.393; n = 4)
D	25 (0.369; n = 5)
T	25.6 (0.628; n = 5)
C	26.2 (0.277; n = 5)

Kruskal-Wallis p value for the four-way comparison is 0.173

	contrastsfour	dunns.P
5	V vs D	0.02616
1	D vs DT	0.4841

Kruskal-Wallis p value for the three-way comparison is 0.0474

	Comparison	P value	Direction
3	V vs D	0.0141	V > D
1	D vs DT	0.4858	D < DT

body weight gain after 1 days (g)

Treatment	Average (SD; n)
V	0.4 (0.163; n = 4)
D	0.48 (0.203; n = 5)
T	1.08 (0.111; n = 5)
C	0.72 (0.218; n = 5)

Kruskal-Wallis p value for the four-way comparison is 0.0423

	contrastsfour	dunns.P
5	V vs D	0.155
1	D vs DT	0.3281

Kruskal-Wallis p value for the three-way comparison is 0.336

	Comparison	P value	Direction
3	V vs D	0.1529	V < D
1	D vs DT	0.3242	D < DT

body weight gain after 2 days (g)

Treatment	Average (SD; n)
V	0.425 (0.111; n = 4)
D	0.32 (0.132; n = 5)
T	1.26 (0.117; n = 5)
C	1.1 (0.187; n = 5)

Kruskal-Wallis p value for the four-way comparison is 0.0115

	contrastsfour	dunns.P
5	V vs D	0.01299
1	D vs DT	0.4158

Kruskal-Wallis p value for the three-way comparison is 0.0612

	Comparison	P value	Direction
3	V vs D	0.01375	V > D
1	D vs DT	0.3872	D < DT

body weight gain after 3 days (g)

Treatment	Average (SD; n)
V	0.8 (0.147; n = 4)
D	0.84 (0.254; n = 5)
T	1.86 (0.117; n = 5)
C	0.9 (0.253; n = 5)

Kruskal-Wallis p value for the four-way comparison is 0.0103

	contrastsfour	dunns.P
5	V vs D	0.3465
1	D vs DT	0.3209

Kruskal-Wallis p value for the three-way comparison is 0.527

	Comparison	P value	Direction
3	V vs D	0.2969	V < D
1	D vs DT	0.2649	D < DT

body weight gain after 1 days (percent)

Treatment	Average (SD; n)
V	1.63 (0.654; n = 4)
D	2.06 (0.854; n = 5)
T	4.57 (0.515; n = 5)
C	2.88 (0.871; n = 5)

Kruskal-Wallis p value for the four-way comparison is 0.0458

	contrastsfour	dunns.P
5	V vs D	0.2966
1	D vs DT	0.2645

Kruskal-Wallis p value for the three-way comparison is 0.504

	Comparison	P value	Direction
3	V vs D	0.3114	V < D
1	D vs DT	0.2405	D < DT

body weight gain after 2 days (percent)

Treatment	Average (SD; n)
V	1.76 (0.473; n = 4)
D	1.37 (0.569; n = 5)
T	5.32 (0.513; n = 5)
C	4.38 (0.763; n = 5)

Kruskal-Wallis p value for the four-way comparison is 0.0117

	contrastsfour	dunns.P
5	V vs D	0.01633
1	D vs DT	0.463

Kruskal-Wallis p value for the three-way comparison is 0.0648

	Comparison	P value	Direction
3	V vs D	0.01705	V > D
1	D vs DT	0.4503	D < DT

body weight gain after 3 days (percent)

Treatment	Average (SD; n)
V	3.29 (0.581; n = 4)
D	3.56 (1.08; n = 5)
T	7.86 (0.541; n = 5)
C	3.6 (1; n = 5)

Kruskal-Wallis p value for the four-way comparison is 0.0103

	contrastsfour	dunns.P
5	V vs D	0.3894
1	D vs DT	0.2712

Kruskal-Wallis p value for the three-way comparison is 0.491

	Comparison	P value	Direction
3	V vs D	0.3527	V < D
1	D vs DT	0.2062	D < DT

levator (mg)

Treatment	Average (SD; n)
V	52.2 (5.68; n = 4)
D	47.3 (6.48; n = 5)
T	66.7 (3.8; n = 5)
C	62.3 (3.21; n = 5)

Kruskal-Wallis p value for the four-way comparison is 0.131

	contrastsfour	dunns.P
5	V vs D	0.04591
1	D vs DT	0.2372

Kruskal-Wallis p value for the three-way comparison is 0.221

	Comparison	P value	Direction
3	V vs D	0.04105	V > D
1	D vs DT	0.2062	D < DT

tibialis (mg)

Treatment	Average (SD; n)
V	49.3 (0.996; n = 4)
D	49 (3.16; n = 5)
T	55.9 (4.88; n = 5)
C	47.7 (2.44; n = 5)

Kruskal-Wallis p value for the four-way comparison is 0.44

	contrastsfour	dunns.P
5	V vs D	0.3679
1	D vs DT	0.3262

Kruskal-Wallis p value for the three-way comparison is 0.867

	Comparison	P value	Direction
3	V vs D	0.3249	V > D
1	D vs DT	0.3214	D > DT

gastrocnemius (mg)

Treatment	Average (SD; n)
V	135 (6.72; n = 4)
D	113 (5.63; n = 5)
T	130 (8.14; n = 5)
C	125 (5.53; n = 5)

Kruskal-Wallis p value for the four-way comparison is 0.122

	contrastsfour	dunns.P
5	V vs D	0.05151
1	D vs DT	0.01439

Kruskal-Wallis p value for the three-way comparison is 0.0668

	Comparison	P value	Direction
3	V vs D	0.05601	V > D
1	D vs DT	0.01231	D < DT

quadriceps (mg)

Treatment	Average (SD; n)
V	167 (14.2; n = 4)
D	146 (3.65; n = 5)
T	162 (9.65; n = 5)
C	167 (8.84; n = 5)

Kruskal-Wallis p value for the four-way comparison is 0.444

	contrastsfour	dunns.P
5	V vs D	0.0646
1	D vs DT	0.109

Kruskal-Wallis p value for the three-way comparison is 0.304

	Comparison	P value	Direction
3	V vs D	0.07546	V > D
1	D vs DT	0.1198	D < DT

triceps (mg)

Treatment	Average (SD; n)
V	94.4 (1.91; n = 4)
D	92.9 (7.03; n = 5)
T	94.7 (4.26; n = 5)
C	84.1 (2.26; n = 5)

Kruskal-Wallis p value for the four-way comparison is 0.214

	contrastsfour	dunns.P
5	V vs D	0.08872
1	D vs DT	0.312

Kruskal-Wallis p value for the three-way comparison is 0.143

	Comparison	P value	Direction
3	V vs D	0.1132	V > D
1	D vs DT	0.2113	D > DT

levator (permille)

Treatment	Average (SD; n)
V	2.08 (0.219; n = 4)
D	1.88 (0.239; n = 5)
T	2.6 (0.116; n = 5)
C	2.38 (0.141; n = 5)

Kruskal-Wallis p value for the four-way comparison is 0.113

	contrastsfour	dunns.P
5	V vs D	0.08872
1	D vs DT	0.2539

Kruskal-Wallis p value for the three-way comparison is 0.392

	Comparison	P value	Direction
3	V vs D	0.08681	V > D
1	D vs DT	0.2218	D < DT

tibialis (permille)

Treatment	Average (SD; n)
V	1.97 (0.0314; n = 4)
D	1.96 (0.11; n = 5)
T	2.17 (0.144; n = 5)
C	1.82 (0.088; n = 5)

Kruskal-Wallis p value for the four-way comparison is 0.119

	contrastsfour	dunns.P
5	V vs D	0.119
1	D vs DT	0.4736

Kruskal-Wallis p value for the three-way comparison is 0.309

	Comparison	P value	Direction
3	V vs D	0.08681	V > D
1	D vs DT	0.4929	D > DT

gastrocnemius (permille)

Treatment	Average (SD; n)
V	5.39 (0.253; n = 4)
D	4.54 (0.191; n = 5)
T	5.07 (0.303; n = 5)
C	4.78 (0.166; n = 5)

Kruskal-Wallis p value for the four-way comparison is 0.144

	contrastsfour	dunns.P
5	V vs D	0.1843
1	D vs DT	0.01217

Kruskal-Wallis p value for the three-way comparison is 0.0477

	Comparison	P value	Direction
3	V vs D	0.1629	V > D
1	D vs DT	0.00697	D < DT

quadriceps (permille)

Treatment	Average (SD; n)
V	6.64 (0.525; n = 4)
D	5.86 (0.127; n = 5)
T	6.33 (0.392; n = 5)
C	6.37 (0.293; n = 5)

Kruskal-Wallis p value for the four-way comparison is 0.581

	contrastsfour	dunns.P
5	V vs D	0.1428
1	D vs DT	0.09943

Kruskal-Wallis p value for the three-way comparison is 0.277

	Comparison	P value	Direction
3	V vs D	0.1284	V > D
1	D vs DT	0.06272	D < DT

triceps (permille)

Treatment	Average (SD; n)
V	3.77 (0.0513; n = 4)
D	3.71 (0.243; n = 5)
T	3.7 (0.168; n = 5)
C	3.21 (0.076; n = 5)

Kruskal-Wallis p value for the four-way comparison is 0.0425

	contrastsfour	dunns.P
5	V vs D	0.0188
1	D vs DT	0.2668

Kruskal-Wallis p value for the three-way comparison is 0.0575

	Comparison	P value	Direction
3	V vs D	0.03482	V > D
1	D vs DT	0.3027	D > DT

fat mass before (g)

Treatment	Average (SD; n)
V	2.46 (0.169; n = 4)
D	3.18 (0.161; n = 5)
T	2.4 (0.27; n = 5)
C	2.56 (0.0699; n = 5)

Kruskal-Wallis p value for the four-way comparison is 0.0723

	contrastsfour	dunns.P
5	V vs D	0.03184
1	D vs DT	0.01878

Kruskal-Wallis p value for the three-way comparison is 0.0432

	Comparison	P value	Direction
3	V vs D	0.02468	V < D
1	D vs DT	0.01077	D > DT

lean mass before (g)

Treatment	Average (SD; n)
V	20.6 (0.289; n = 4)
D	19.5 (0.572; n = 5)
T	20.4 (0.445; n = 5)
C	21.5 (0.33; n = 5)

Kruskal-Wallis p value for the four-way comparison is 0.0684

	contrastsfour	dunns.P
5	V vs D	0.004131
1	D vs DT	0.109

Kruskal-Wallis p value for the three-way comparison is 0.0428

	Comparison	P value	Direction
3	V vs D	0.006306	V > D
1	D vs DT	0.1771	D < DT

total water before (g)

Treatment	Average (SD; n)
V	17.6 (1.12; n = 4)
D	15.5 (0.972; n = 5)
T	15.6 (0.766; n = 5)
C	16.5 (0.34; n = 5)

Kruskal-Wallis p value for the four-way comparison is 0.172

	contrastsfour	dunns.P
5	V vs D	0.072
1	D vs DT	0.04136

Kruskal-Wallis p value for the three-way comparison is 0.188

	Comparison	P value	Direction
3	V vs D	0.07546	V > D
1	D vs DT	0.04698	D < DT

fat mass after (g)

Treatment	Average (SD; n)
V	3.1 (0.223; n = 4)
D	4.48 (0.23; n = 5)
T	3.35 (0.264; n = 5)
C	4.09 (0.173; n = 5)

Kruskal-Wallis p value for the four-way comparison is 0.0123

	contrastsfour	dunns.P
5	V vs D	0.1559
1	D vs DT	0.002025

Kruskal-Wallis p value for the three-way comparison is 0.0206

	Comparison	P value	Direction
3	V vs D	0.1284	V < D
1	D vs DT	0.002722	D > DT

lean mass after (g)

Treatment	Average (SD; n)
V	20.8 (0.404; n = 4)
D	18.1 (0.562; n = 5)
T	21.1 (0.458; n = 5)
C	20.2 (0.407; n = 5)

Kruskal-Wallis p value for the four-way comparison is 0.0202

	contrastsfour	dunns.P
5	V vs D	0.04591
1	D vs DT	0.008872

Kruskal-Wallis p value for the three-way comparison is 0.0356

	Comparison	P value	Direction
3	V vs D	0.03482	V > D
1	D vs DT	0.006632	D < DT

total water after (g)

Treatment	Average (SD; n)
V	16.8 (1.21; n = 4)
D	14.6 (1.33; n = 5)
T	16.5 (0.428; n = 5)
C	15.4 (0.565; n = 5)

Kruskal-Wallis p value for the four-way comparison is 0.148

	contrastsfour	dunns.P
5	V vs D	0.1843
1	D vs DT	0.03796

Kruskal-Wallis p value for the three-way comparison is 0.143

	Comparison	P value	Direction
3	V vs D	0.1132	V > D
1	D vs DT	0.02606	D < DT

fat mass before (percent of BW)

Treatment	Average (SD; n)
V	10.2 (0.711; n = 4)
D	13.2 (0.819; n = 5)
T	10.1 (0.997; n = 5)
C	10.1 (0.367; n = 5)

Kruskal-Wallis p value for the four-way comparison is 0.115

	contrastsfour	dunns.P
5	V vs D	0.03184
1	D vs DT	0.03796

Kruskal-Wallis p value for the three-way comparison is 0.0888

	Comparison	P value	Direction
3	V vs D	0.02468	V < D
1	D vs DT	0.03597	D > DT

lean mass before (percent of BW)

Treatment	Average (SD; n)
V	85 (0.916; n = 4)
D	80.9 (0.635; n = 5)
T	85.8 (0.874; n = 5)
C	85 (1.17; n = 5)

Kruskal-Wallis p value for the four-way comparison is 0.0263

	contrastsfour	dunns.P
5	V vs D	0.0188
1	D vs DT	0.009195

Kruskal-Wallis p value for the three-way comparison is 0.0214

	Comparison	P value	Direction
3	V vs D	0.01418	V > D
1	D vs DT	0.005702	D < DT

total water before (percent of BW)

Treatment	Average (SD; n)
V	72.9 (5.06; n = 4)
D	64.6 (4.91; n = 5)
T	65.6 (1.63; n = 5)
C	65.3 (1.89; n = 5)

Kruskal-Wallis p value for the four-way comparison is 0.156

	contrastsfour	dunns.P
5	V vs D	0.1305
1	D vs DT	0.0126

Kruskal-Wallis p value for the three-way comparison is 0.125

	Comparison	P value	Direction
3	V vs D	0.1284	V > D
1	D vs DT	0.02112	D < DT

fat mass after (percent of BW)

Treatment	Average (SD; n)
V	12.4 (0.939; n = 4)
D	18 (0.975; n = 5)
T	13.1 (0.87; n = 5)
C	15.6 (0.701; n = 5)

Kruskal-Wallis p value for the four-way comparison is 0.0116

	contrastsfour	dunns.P
5	V vs D	0.1305
1	D vs DT	0.002112

Kruskal-Wallis p value for the three-way comparison is 0.0172

	Comparison	P value	Direction
3	V vs D	0.09938	V < D
1	D vs DT	0.002181	D > DT

lean mass after (percent of BW)

Treatment	Average (SD; n)
V	82.9 (0.569; n = 4)
D	72.4 (1.41; n = 5)
T	82.6 (0.834; n = 5)
C	77.2 (1.1; n = 5)

Kruskal-Wallis p value for the four-way comparison is 0.003

	contrastsfour	dunns.P
5	V vs D	0.1559
1	D vs DT	0.001861

Kruskal-Wallis p value for the three-way comparison is 0.00802

	Comparison	P value	Direction
3	V vs D	0.09938	V > D
1	D vs DT	0.0009669	D < DT

total water after (percent of BW)

Treatment	Average (SD; n)
V	67.2 (4.42; n = 4)
D	58.3 (4.64; n = 5)
T	64.5 (1.55; n = 5)
C	58.8 (2.11; n = 5)

Kruskal-Wallis p value for the four-way comparison is 0.145

	contrastsfour	dunns.P
5	V vs D	0.2325
1	D vs DT	0.03184

Kruskal-Wallis p value for the three-way comparison is 0.122

	Comparison	P value	Direction
3	V vs D	0.1822	V > D
1	D vs DT	0.02023	D < DT

fat mass gain (g)

Treatment	Average (SD; n)
V	0.635 (0.166; n = 4)
D	1.3 (0.0894; n = 5)
T	0.948 (0.372; n = 5)
C	1.53 (0.109; n = 5)

Kruskal-Wallis p value for the four-way comparison is 0.03

	contrastsfour	dunns.P
5	V vs D	0.1559
1	D vs DT	0.02911

Kruskal-Wallis p value for the three-way comparison is 0.013

	Comparison	P value	Direction
3	V vs D	0.1132	V < D
1	D vs DT	0.03597	D < DT

lean mass gain (g)

Treatment	Average (SD; n)
V	0.142 (0.245; n = 4)
D	-1.45 (0.152; n = 5)
T	0.776 (0.208; n = 5)
C	-1.28 (0.369; n = 5)

Kruskal-Wallis p value for the four-way comparison is 0.00257

	contrastsfour	dunns.P
5	V vs D	0.2871
1	D vs DT	0.01543

Kruskal-Wallis p value for the three-way comparison is 0.0203

	Comparison	P value	Direction
3	V vs D	0.2248	V > D
1	D vs DT	0.003205	D < DT

total water gain (g)

Treatment	Average (SD; n)
V	-0.797 (1.23; n = 4)
D	-0.942 (1.72; n = 5)
T	0.892 (0.65; n = 5)
C	-1.09 (0.895; n = 5)

Kruskal-Wallis p value for the four-way comparison is 0.473

	contrastsfour	dunns.P
5	V vs D	0.4331
1	D vs DT	0.5

Kruskal-Wallis p value for the three-way comparison is 0.958

	Comparison	P value	Direction
3	V vs D	0.4699	V > D
1	D vs DT	0.4153	D > DT

fat mass gain (percent of BW)

Treatment	Average (SD; n)
V	2.22 (0.644; n = 4)
D	4.74 (0.325; n = 5)
T	2.99 (1.45; n = 5)
C	5.5 (0.365; n = 5)

Kruskal-Wallis p value for the four-way comparison is 0.0301

	contrastsfour	dunns.P
5	V vs D	0.1697
1	D vs DT	0.03

Kruskal-Wallis p value for the three-way comparison is 0.013

	Comparison	P value	Direction
3	V vs D	0.1132	V < D
1	D vs DT	0.03597	D < DT

lean mass gain (percent of BW)

Treatment	Average (SD; n)
V	-2.17 (0.6; n = 4)
D	-8.52 (0.856; n = 5)
T	-3.22 (1.21; n = 5)
C	-7.87 (2.08; n = 5)

Kruskal-Wallis p value for the four-way comparison is 0.0203

	contrastsfour	dunns.P
5	V vs D	0.2682
1	D vs DT	0.00388

Kruskal-Wallis p value for the three-way comparison is 0.0463

	Comparison	P value	Direction
3	V vs D	0.2727	V > D
1	D vs DT	0.008078	D < DT

total water gain (percent of BW)

Treatment	Average (SD; n)
V	-5.67 (5; n = 4)
D	-6.37 (7.62; n = 5)
T	-1.1 (2.48; n = 5)
C	-6.49 (3.78; n = 5)

Kruskal-Wallis p value for the four-way comparison is 0.811

	contrastsfour	dunns.P
5	V vs D	0.4553
1	D vs DT	0.3753

Kruskal-Wallis p value for the three-way comparison is 0.958

	Comparison	P value	Direction
3	V vs D	0.4699	V > D
1	D vs DT	0.3878	D > DT

fat mass gain (percent)

Treatment	Average (SD; n)
V	26.2 (6.78; n = 4)
D	41 (1.96; n = 5)
T	45.6 (16.8; n = 5)
C	59.7 (2.98; n = 5)

Kruskal-Wallis p value for the four-way comparison is 0.0474

	contrastsfour	dunns.P
5	V vs D	0.03184
1	D vs DT	0.1668

Kruskal-Wallis p value for the three-way comparison is 0.00592

	Comparison	P value	Direction
3	V vs D	0.01715	V < D
1	D vs DT	0.1308	D < DT

lean mass gain (percent)

Treatment	Average (SD; n)
V	0.683 (1.19; n = 4)
D	-7.4 (0.788; n = 5)
T	3.83 (1.04; n = 5)
C	-5.95 (1.65; n = 5)

Kruskal-Wallis p value for the four-way comparison is 0.00241

	contrastsfour	dunns.P
5	V vs D	0.25
1	D vs DT	0.01348

Kruskal-Wallis p value for the three-way comparison is 0.0179

	Comparison	P value	Direction
3	V vs D	0.1822	V > D
1	D vs DT	0.002576	D < DT

total water gain (percent)

Treatment	Average (SD; n)
V	-3.95 (6.44; n = 4)
D	-4.69 (9.58; n = 5)
T	6.38 (4.18; n = 5)
C	-6.19 (5.3; n = 5)

Kruskal-Wallis p value for the four-way comparison is 0.47

	contrastsfour	dunns.P
5	V vs D	0.4553
1	D vs DT	0.4526

Kruskal-Wallis p value for the three-way comparison is 0.914

	Comparison	P value	Direction
3	V vs D	0.5	V > D
1	D vs DT	0.3541	D > DT

gastrocnemius proteasome activity (rel.u.)

Treatment	Average (SD; n)
V	9840 (844; n = 4)
D	14400 (1350; n = 5)
T	17900 (2760; n = 5)
C	16000 (2100; n = 5)

Kruskal-Wallis p value for the four-way comparison is 0.0428

	contrastsfour	dunns.P
5	V vs D	0.368
1	D vs DT	0.0194

Kruskal-Wallis p value for the three-way comparison is 0.0179

	Comparison	P value	Direction
3	V vs D	0.4103	V < D
1	D vs DT	0.008481	D < DT

quadriceps proteasome activity (rel.u.)

Treatment	Average (SD; n)
V	23400 (7220; n = 4)
D	27700 (2910; n = 5)
T	30300 (3050; n = 5)
C	21000 (709; n = 5)

Kruskal-Wallis p value for the four-way comparison is 0.111

	contrastsfour	dunns.P
5	V vs D	0.08872
1	D vs DT	0.08016

Kruskal-Wallis p value for the three-way comparison is 0.254

	Comparison	P value	Direction
3	V vs D	0.145	V < D
1	D vs DT	0.05247	D > DT

triceps proteasome activity (rel.u.)

Treatment	Average (SD; n)
V	6550 (1800; n = 4)
D	13800 (2940; n = 5)
T	12200 (2110; n = 5)
C	9670 (1970; n = 5)

Kruskal-Wallis p value for the four-way comparison is 0.208

	contrastsfour	dunns.P
5	V vs D	0.1697
1	D vs DT	0.02275

Kruskal-Wallis p value for the three-way comparison is 0.168

	Comparison	P value	Direction
3	V vs D	0.2028	V < D
1	D vs DT	0.02947	D > DT

gastrocnemius cathepsin activity (rel.u.)

Treatment	Average (SD; n)
V	27400 (2710; n = 4)
D	22000 (1740; n = 5)
T	32100 (3070; n = 5)
C	22700 (1160; n = 5)

Kruskal-Wallis p value for the four-way comparison is 0.0397

	contrastsfour	dunns.P
5	V vs D	0.4776
1	D vs DT	0.09714

Kruskal-Wallis p value for the three-way comparison is 0.295

	Comparison	P value	Direction
3	V vs D	0.4399	V > D
1	D vs DT	0.07448	D < DT

gastrocnemius calpain activity (rel.u.)

Treatment	Average (SD; n)
V	14900 (1460; n = 4)
D	20100 (1580; n = 5)
T	17800 (2030; n = 5)
C	19000 (1080; n = 4)

Kruskal-Wallis p value for the four-way comparison is 0.216

	contrastsfour	dunns.P
5	V vs D	0.2979
1	D vs DT	0.0194

Kruskal-Wallis p value for the three-way comparison is 0.0831

	Comparison	P value	Direction
3	V vs D	0.2894	V < D
1	D vs DT	0.01456	D > DT

quadriceps calpain activity (rel.u.)

Treatment	Average (SD; n)
V	20100 (3230; n = 4)
D	26500 (1890; n = 5)
T	21300 (2210; n = 4)
C	20300 (1850; n = 4)

Kruskal-Wallis p value for the four-way comparison is 0.213

	contrastsfour	dunns.P
5	V vs D	0.03826
1	D vs DT	0.04481

Kruskal-Wallis p value for the three-way comparison is 0.163

	Comparison	P value	Direction
3	V vs D	0.04795	V < D
1	D vs DT	0.05828	D > DT

quadriceps cathepsin activity (rel.u.)

Treatment	Average (SD; n)
V	34700 (1070; n = 4)
D	19200 (1860; n = 5)
T	37200 (2590; n = 5)
C	30000 (1200; n = 5)

Kruskal-Wallis p value for the four-way comparison is 0.00248

	contrastsfour	dunns.P
5	V vs D	0.05781
1	D vs DT	0.001784

Kruskal-Wallis p value for the three-way comparison is 0.00488

	Comparison	P value	Direction
3	V vs D	0.02063	V > D
1	D vs DT	0.0006703	D < DT

triceps cathepsin activity (rel.u.)

Treatment	Average (SD; n)
V	27900 (979; n = 4)
D	15500 (344; n = 5)
T	30300 (1450; n = 5)
C	18800 (875; n = 5)

Kruskal-Wallis p value for the four-way comparison is 0.00123

	contrastsfour	dunns.P
5	V vs D	0.08003
1	D vs DT	0.002202

Kruskal-Wallis p value for the three-way comparison is 0.00307

	Comparison	P value	Direction
3	V vs D	0.02939	V > D
1	D vs DT	0.0003555	D < DT

triceps calpain activity (rel.u.)

Treatment	Average (SD; n)
V	12800 (913; n = 4)
D	8380 (4480; n = 5)
T	15400 (2390; n = 5)
C	1960 (555; n = 5)

Kruskal-Wallis p value for the four-way comparison is 0.0162

	contrastsfour	dunns.P
5	V vs D	0.1082
1	D vs DT	0.109

Kruskal-Wallis p value for the three-way comparison is 0.0339

	Comparison	P value	Direction
3	V vs D	0.09938	V > D
1	D vs DT	0.0823	D > DT

gastrocnemius Ct(Becn1) - Ct(Gapdh)

Treatment	Average (SD; n)
V	3.94 (1.88; n = 4)
D	7.23 (0.631; n = 4)
T	5.83 (0.605; n = 4)
C	5.95 (0.165; n = 4)

Kruskal-Wallis p value for the four-way comparison is 0.105

	contrastsfour	dunns.P
5	V vs D	0.03735
1	D vs DT	0.008742

Kruskal-Wallis p value for the three-way comparison is 0.0345

	Comparison	P value	Direction
3	V vs D	0.02493	V < D
1	D vs DT	0.007114	D > DT

gastrocnemius Ct(Ctsl) - Ct(Gapdh)

Treatment	Average (SD; n)
V	4.29 (1.22; n = 4)
D	6.25 (0.689; n = 4)
T	6.14 (0.501; n = 4)
C	6.27 (0.371; n = 4)

Kruskal-Wallis p value for the four-way comparison is 0.382

	contrastsfour	dunns.P
5	V vs D	0.3552
1	D vs DT	0.1034

Kruskal-Wallis p value for the three-way comparison is 0.219

	Comparison	P value	Direction
3	V vs D	0.3474	V < D
1	D vs DT	0.1012	D < DT

gastrocnemius Ct(Ddit4) - Ct(Gapdh)

Treatment	Average (SD; n)
V	8.95 (0.581; n = 3)
D	4.15 (0.652; n = 4)
T	6.11 (0.942; n = 4)
C	3.65 (0.353; n = 4)

Kruskal-Wallis p value for the four-way comparison is 0.0261

	contrastsfour	dunns.P
5	V vs D	0.3176
1	D vs DT	0.01023

Kruskal-Wallis p value for the three-way comparison is 0.0406

	Comparison	P value	Direction
3	V vs D	0.2612	V > D
1	D vs DT	0.03039	D > DT

gastrocnemius Ct(Fbxo32) - Ct(Gapdh)

Treatment	Average (SD; n)
V	2.63 (1.42; n = 4)
D	2.51 (0.688; n = 4)
T	3.51 (0.623; n = 5)
C	2.92 (0.235; n = 5)

Kruskal-Wallis p value for the four-way comparison is 0.562

	contrastsfour	dunns.P
5	V vs D	0.2254
1	D vs DT	0.1447

Kruskal-Wallis p value for the three-way comparison is 0.529

	Comparison	P value	Direction
3	V vs D	0.2053	V > D
1	D vs DT	0.138	D < DT

gastrocnemius Ct(Foxo1) - Ct(Gapdh)

Treatment	Average (SD; n)
V	8.05 (0.401; n = 3)
D	7.29 (0.725; n = 4)
T	7.16 (0.576; n = 4)
C	7.5 (0.218; n = 4)

Kruskal-Wallis p value for the four-way comparison is 0.529

	contrastsfour	dunns.P
5	V vs D	0.2384
1	D vs DT	0.08216

Kruskal-Wallis p value for the three-way comparison is 0.328

	Comparison	P value	Direction
3	V vs D	0.1969	V > D
1	D vs DT	0.06938	D < DT

gastrocnemius Ct(Foxo3) - Ct(Gapdh)

Treatment	Average (SD; n)
V	8.33 (0.658; n = 3)
D	8.24 (0.744; n = 4)
T	7.27 (0.495; n = 4)
C	8.33 (0.263; n = 4)

Kruskal-Wallis p value for the four-way comparison is 0.477

	contrastsfour	dunns.P
5	V vs D	0.4372
1	D vs DT	0.4322

Kruskal-Wallis p value for the three-way comparison is 0.978

	Comparison	P value	Direction
3	V vs D	0.4156	V > D
1	D vs DT	0.4607	D < DT

gastrocnemius Ct(Foxo4) - Ct(Gapdh)

Treatment	Average (SD; n)
V	7.8 (0.614; n = 3)
D	8.15 (0.754; n = 4)
T	7.42 (0.585; n = 4)
C	7.66 (0.0886; n = 4)

Kruskal-Wallis p value for the four-way comparison is 0.916

	contrastsfour	dunns.P
5	V vs D	0.29
1	D vs DT	0.4708

Kruskal-Wallis p value for the three-way comparison is 0.75

	Comparison	P value	Direction
3	V vs D	0.2612	V < D
1	D vs DT	0.4738	D > DT

gastrocnemius Ct(Igf1) - Ct(Gapdh)

Treatment	Average (SD; n)
V	6.84 (0.302; n = 3)
D	8.85 (0.312; n = 4)
T	6.51 (0.203; n = 4)
C	7.5 (0.182; n = 4)

Kruskal-Wallis p value for the four-way comparison is 0.0099

	contrastsfour	dunns.P
5	V vs D	0.07736
1	D vs DT	0.008402

Kruskal-Wallis p value for the three-way comparison is 0.0198

	Comparison	P value	Direction
3	V vs D	0.0275	V < D
1	D vs DT	0.003492	D > DT

gastrocnemius Ct(Igf1r) - Ct(Gapdh)

Treatment	Average (SD; n)
V	5.72 (0.814; n = 3)
D	7.39 (0.629; n = 4)
T	5.69 (0.59; n = 4)
C	6.58 (0.439; n = 4)

Kruskal-Wallis p value for the four-way comparison is 0.278

	contrastsfour	dunns.P
5	V vs D	0.2635
1	D vs DT	0.07162

Kruskal-Wallis p value for the three-way comparison is 0.385

	Comparison	P value	Direction
3	V vs D	0.2612	V < D
1	D vs DT	0.08353	D > DT

gastrocnemius Ct(Insr) - Ct(Gapdh)

Treatment	Average (SD; n)
V	3.72 (0.615; n = 3)
D	4.37 (0.773; n = 4)
T	3.46 (0.572; n = 4)
C	3.08 (0.302; n = 4)

Kruskal-Wallis p value for the four-way comparison is 0.556

	contrastsfour	dunns.P
5	V vs D	0.07736
1	D vs DT	0.3128

Kruskal-Wallis p value for the three-way comparison is 0.328

	Comparison	P value	Direction
3	V vs D	0.0678	V < D
1	D vs DT	0.2448	D > DT

gastrocnemius Ct(Klf15) - Ct(Gapdh)

Treatment	Average (SD; n)
V	5.24 (0.411; n = 3)
D	4.02 (0.484; n = 4)
T	5.36 (0.439; n = 4)
C	4.89 (0.117; n = 4)

Kruskal-Wallis p value for the four-way comparison is 0.248

	contrastsfour	dunns.P
5	V vs D	0.152
1	D vs DT	0.06518

Kruskal-Wallis p value for the three-way comparison is 0.268

	Comparison	P value	Direction
3	V vs D	0.1432	V > D
1	D vs DT	0.05716	D < DT

gastrocnemius Ct(Map1lc3b) - Ct(Gapdh)

Treatment	Average (SD; n)
V	0.24 (1.69; n = 4)
D	2.73 (0.793; n = 4)
T	0.885 (0.912; n = 4)
C	1.63 (0.59; n = 4)

Kruskal-Wallis p value for the four-way comparison is 0.571

	contrastsfour	dunns.P
5	V vs D	0.207
1	D vs DT	0.1174

Kruskal-Wallis p value for the three-way comparison is 0.472

	Comparison	P value	Direction
3	V vs D	0.1887	V < D
1	D vs DT	0.1197	D > DT

gastrocnemius Ct(Nr3c1) - Ct(Gapdh)

Treatment	Average (SD; n)
V	4.3 (1.03; n = 4)
D	6.89 (0.604; n = 5)
T	5.37 (0.536; n = 5)
C	6.47 (0.565; n = 5)

Kruskal-Wallis p value for the four-way comparison is 0.102

	contrastsfour	dunns.P
5	V vs D	0.4553
1	D vs DT	0.02422

Kruskal-Wallis p value for the three-way comparison is 0.105

	Comparison	P value	Direction
3	V vs D	0.5	V < D
1	D vs DT	0.03068	D > DT

gastrocnemius Ct(Nr3c4) - Ct(Gapdh)

Treatment	Average (SD; n)
V	2.96 (0.594; n = 3)
D	5.06 (0.455; n = 4)
T	3.03 (0.764; n = 4)
C	3.45 (0.541; n = 4)

Kruskal-Wallis p value for the four-way comparison is 0.113

	contrastsfour	dunns.P
5	V vs D	0.05692
1	D vs DT	0.01794

Kruskal-Wallis p value for the three-way comparison is 0.0616

	Comparison	P value	Direction
3	V vs D	0.04404	V < D
1	D vs DT	0.01264	D > DT

gastrocnemius Ct(Psma6) - Ct(Gapdh)

Treatment	Average (SD; n)
V	4.1 (0.618; n = 3)
D	4.83 (0.746; n = 4)
T	3.94 (0.629; n = 4)
C	4.32 (0.616; n = 4)

Kruskal-Wallis p value for the four-way comparison is 0.878

	contrastsfour	dunns.P
5	V vs D	0.29
1	D vs DT	0.2957

Kruskal-Wallis p value for the three-way comparison is 0.85

	Comparison	P value	Direction
3	V vs D	0.297	V < D
1	D vs DT	0.3344	D > DT

gastrocnemius Ct(Psmb10) - Ct(Gapdh)

Treatment	Average (SD; n)
V	8.66 (0.754; n = 3)
D	10.8 (0.7; n = 4)
T	7.92 (0.814; n = 4)
C	9.01 (0.513; n = 4)

Kruskal-Wallis p value for the four-way comparison is 0.155

	contrastsfour	dunns.P
5	V vs D	0.05692
1	D vs DT	0.05106

Kruskal-Wallis p value for the three-way comparison is 0.11

	Comparison	P value	Direction
3	V vs D	0.04404	V < D
1	D vs DT	0.03039	D > DT

gastrocnemius Ct(Psmd4) - Ct(Gapdh)

Treatment	Average (SD; n)
V	5.05 (0.634; n = 3)
D	4.78 (0.891; n = 4)
T	5.17 (0.753; n = 4)
C	4.58 (0.119; n = 4)

Kruskal-Wallis p value for the four-way comparison is 0.81

	contrastsfour	dunns.P
5	V vs D	0.3759
1	D vs DT	0.2321

Kruskal-Wallis p value for the three-way comparison is 0.654

	Comparison	P value	Direction
3	V vs D	0.3349	V > D
1	D vs DT	0.1785	D > DT

gastrocnemius Ct(Stk11) - Ct(Gapdh)

Treatment	Average (SD; n)
V	2.78 (0.533; n = 3)
D	3.38 (0.587; n = 4)
T	2.79 (0.44; n = 4)
C	3.15 (0.109; n = 4)

Kruskal-Wallis p value for the four-way comparison is 0.988

	contrastsfour	dunns.P
5	V vs D	0.4685
1	D vs DT	0.4036

Kruskal-Wallis p value for the three-way comparison is 0.92

	Comparison	P value	Direction
3	V vs D	0.5	V < D
1	D vs DT	0.3587	D > DT

gastrocnemius Ct(Trim63) - Ct(Gapdh)

Treatment	Average (SD; n)
V	1 (0.356; n = 3)
D	-1.92 (0.679; n = 4)
T	-0.25 (0.726; n = 4)
C	-0.944 (0.416; n = 4)

Kruskal-Wallis p value for the four-way comparison is 0.0552

	contrastsfour	dunns.P
5	V vs D	0.2146
1	D vs DT	0.003915

Kruskal-Wallis p value for the three-way comparison is 0.0346

	Comparison	P value	Direction
3	V vs D	0.1969	V > D
1	D vs DT	0.005144	D < DT

quadriceps Ct(Becn1) - Ct(Gapdh)

Treatment	Average (SD; n)
V	7.04 (0.151; n = 4)
D	6.9 (0.0525; n = 3)
T	7.15 (0.264; n = 4)
C	8.03 (0.46; n = 4)

Kruskal-Wallis p value for the four-way comparison is 0.213

	contrastsfour	dunns.P
5	V vs D	0.03015
1	D vs DT	0.3942

Kruskal-Wallis p value for the three-way comparison is 0.165

	Comparison	P value	Direction
3	V vs D	0.05	V > D
1	D vs DT	0.4347	D < DT

quadriceps Ct(Bnip3) - Ct(Gapdh)

Treatment	Average (SD; n)
V	3.57 (0.257; n = 4)
D	2.56 (0.215; n = 3)
T	3.88 (0.271; n = 4)
C	3.94 (0.141; n = 4)

Kruskal-Wallis p value for the four-way comparison is 0.0569

	contrastsfour	dunns.P
5	V vs D	0.005207
1	D vs DT	0.03949

Kruskal-Wallis p value for the three-way comparison is 0.0406

	Comparison	P value	Direction
3	V vs D	0.006806	V > D
1	D vs DT	0.03039	D < DT

quadriceps Ct(Ctsl) - Ct(Gapdh)

Treatment	Average (SD; n)
V	4.92 (0.291; n = 4)
D	4.07 (0.348; n = 3)
T	5.01 (0.222; n = 4)
C	5.56 (0.287; n = 4)

Kruskal-Wallis p value for the four-way comparison is 0.0646

	contrastsfour	dunns.P
5	V vs D	0.003915
1	D vs DT	0.07853

Kruskal-Wallis p value for the three-way comparison is 0.0549

	Comparison	P value	Direction
3	V vs D	0.008163	V > D
1	D vs DT	0.1118	D < DT

quadriceps Ct(Ddit4) - Ct(Gapdh)

Treatment	Average (SD; n)
V	9.03 (0.451; n = 4)
D	4.83 (0.148; n = 3)
T	7.83 (0.343; n = 4)
C	5.97 (0.82; n = 4)

Kruskal-Wallis p value for the four-way comparison is 0.0251

	contrastsfour	dunns.P
5	V vs D	0.2629
1	D vs DT	0.002917

Kruskal-Wallis p value for the three-way comparison is 0.0418

	Comparison	P value	Direction
3	V vs D	0.288	V > D
1	D vs DT	0.009753	D < DT

quadriceps Ct(Fbxo32) - Ct(Gapdh)

Treatment	Average (SD; n)
V	3.48 (0.277; n = 4)
D	1.37 (0.349; n = 3)
T	3.92 (0.28; n = 4)
C	4.02 (0.428; n = 4)

Kruskal-Wallis p value for the four-way comparison is 0.0471

	contrastsfour	dunns.P
5	V vs D	0.006413
1	D vs DT	0.05367

Kruskal-Wallis p value for the three-way comparison is 0.0346

	Comparison	P value	Direction
3	V vs D	0.005144	V > D
1	D vs DT	0.03783	D < DT

quadriceps Ct(Foxo1) - Ct(Gapdh)

Treatment	Average (SD; n)
V	8.45 (0.314; n = 4)
D	5.97 (0.193; n = 3)
T	7.94 (0.343; n = 4)
C	7.49 (0.56; n = 4)

Kruskal-Wallis p value for the four-way comparison is 0.0355

	contrastsfour	dunns.P
5	V vs D	0.05367
1	D vs DT	0.002155

Kruskal-Wallis p value for the three-way comparison is 0.0282

	Comparison	P value	Direction
3	V vs D	0.0467	V > D
1	D vs DT	0.003853	D < DT

quadriceps Ct(Foxo3a) - Ct(Gapdh)

Treatment	Average (SD; n)
V	9.52 (0.404; n = 4)
D	7.86 (0.147; n = 3)
T	9.66 (0.302; n = 4)
C	9.44 (0.782; n = 4)

Kruskal-Wallis p value for the four-way comparison is 0.113

	contrastsfour	dunns.P
5	V vs D	0.05921
1	D vs DT	0.02272

Kruskal-Wallis p value for the three-way comparison is 0.101

	Comparison	P value	Direction
3	V vs D	0.0651	V > D
1	D vs DT	0.01763	D < DT

quadriceps Ct(Foxo4) - Ct(Gapdh)

Treatment	Average (SD; n)
V	6.88 (0.344; n = 4)
D	6.29 (0.208; n = 3)
T	6.54 (0.337; n = 4)
C	7.49 (0.768; n = 4)

Kruskal-Wallis p value for the four-way comparison is 0.447

	contrastsfour	dunns.P
5	V vs D	0.07162
1	D vs DT	0.1067

Kruskal-Wallis p value for the three-way comparison is 0.342

	Comparison	P value	Direction
3	V vs D	0.07859	V > D
1	D vs DT	0.1317	D < DT

quadriceps Ct(Igf1) - Ct(Gapdh)

Treatment	Average (SD; n)
V	8.57 (0.292; n = 4)
D	10.1 (0.314; n = 3)
T	8.81 (0.391; n = 4)
C	10.2 (0.438; n = 4)

Kruskal-Wallis p value for the four-way comparison is 0.0131

	contrastsfour	dunns.P
5	V vs D	0.4322
1	D vs DT	0.005986

Kruskal-Wallis p value for the three-way comparison is 0.0294

	Comparison	P value	Direction
3	V vs D	0.4089	V < D
1	D vs DT	0.01064	D < DT

quadriceps Ct(Igf1r) - Ct(Gapdh)

Treatment	Average (SD; n)
V	8.52 (0.293; n = 4)
D	8.34 (0.256; n = 3)
T	8.53 (0.159; n = 4)
C	9.82 (0.449; n = 4)

Kruskal-Wallis p value for the four-way comparison is 0.0472

	contrastsfour	dunns.P
5	V vs D	0.005986
1	D vs DT	0.2957

Kruskal-Wallis p value for the three-way comparison is 0.0418

	Comparison	P value	Direction
3	V vs D	0.009753	V > D
1	D vs DT	0.288	D < DT

quadriceps Ct(Klf15) - Ct(Gapdh)

Treatment	Average (SD; n)
V	6.8 (0.307; n = 4)
D	5.81 (0.238; n = 3)
T	7.44 (0.162; n = 4)
C	7.52 (0.347; n = 4)

Kruskal-Wallis p value for the four-way comparison is 0.0429

	contrastsfour	dunns.P
5	V vs D	0.006867
1	D vs DT	0.09799

Kruskal-Wallis p value for the three-way comparison is 0.0404

	Comparison	P value	Direction
3	V vs D	0.005653	V > D
1	D vs DT	0.07388	D < DT

quadriceps Ct(Map1lc3b) - Ct(Gapdh)

Treatment	Average (SD; n)
V	2.36 (0.255; n = 4)
D	1.86 (0.0556; n = 3)
T	2.7 (0.186; n = 4)
C	3.38 (0.257; n = 4)

Kruskal-Wallis p value for the four-way comparison is 0.0167

	contrastsfour	dunns.P
5	V vs D	0.000824
1	D vs DT	0.07162

Kruskal-Wallis p value for the three-way comparison is 0.0163

	Comparison	P value	Direction
3	V vs D	0.002104	V > D
1	D vs DT	0.06938	D < DT

quadriceps Ct(Nr3c1) - Ct(Gapdh)

Treatment	Average (SD; n)
V	3.31 (0.279; n = 4)
D	3.98 (0.179; n = 3)
T	3.75 (0.299; n = 4)
C	5.19 (0.263; n = 4)

Kruskal-Wallis p value for the four-way comparison is 0.0175

	contrastsfour	dunns.P
5	V vs D	0.06518
1	D vs DT	0.08982

Kruskal-Wallis p value for the three-way comparison is 0.0156

	Comparison	P value	Direction
3	V vs D	0.0651	V < D
1	D vs DT	0.1248	D < DT

quadriceps Ct(Odc) - Ct(Gapdh)

Treatment	Average (SD; n)
V	2.42 (0.542; n = 4)
D	1.31 (0.397; n = 3)
T	1.52 (0.379; n = 4)
C	2.49 (0.196; n = 4)

Kruskal-Wallis p value for the four-way comparison is 0.165

	contrastsfour	dunns.P
5	V vs D	0.03185
1	D vs DT	0.06834

Kruskal-Wallis p value for the three-way comparison is 0.184

	Comparison	P value	Direction
3	V vs D	0.0467	V > D
1	D vs DT	0.05716	D < DT

quadriceps Ct(Stk11) - Ct(Gapdh)

Treatment	Average (SD; n)
V	5.97 (0.335; n = 4)
D	6.01 (0.15; n = 3)
T	5.87 (0.306; n = 4)
C	7.21 (0.535; n = 4)

Kruskal-Wallis p value for the four-way comparison is 0.219

	contrastsfour	dunns.P
5	V vs D	0.04855
1	D vs DT	0.4226

Kruskal-Wallis p value for the three-way comparison is 0.165

	Comparison	P value	Direction
3	V vs D	0.05	V < D
1	D vs DT	0.4347	D < DT

quadriceps Ct(Trim63) - Ct(Gapdh)

Treatment	Average (SD; n)
V	5.02 (0.351; n = 4)
D	2.79 (0.398; n = 3)
T	4.8 (0.504; n = 4)
C	5.33 (0.351; n = 4)

Kruskal-Wallis p value for the four-way comparison is 0.0673

	contrastsfour	dunns.P
5	V vs D	0.006413
1	D vs DT	0.01405

Kruskal-Wallis p value for the three-way comparison is 0.0455

	Comparison	P value	Direction
3	V vs D	0.008927	V > D
1	D vs DT	0.0242	D < DT

quadriceps Akt protein (normalized to GAPDH)

Treatment	Average (SD; n)
V	0.47 (0.13; n = 4)
D	0.709 (0.0251; n = 5)
T	0.672 (0.103; n = 5)
C	0.737 (0.0501; n = 5)

Kruskal-Wallis p value for the four-way comparison is 0.197

	contrastsfour	dunns.P
5	V vs D	0.3065
1	D vs DT	0.06723

Kruskal-Wallis p value for the three-way comparison is 0.0672

	Comparison	P value	Direction
3	V vs D	0.2984	V < D
1	D vs DT	0.0404	D < DT

quadriceps eEF2 protein (normalized to GAPDH)

Treatment	Average (SD; n)
V	0.421 (0.0604; n = 4)
D	0.224 (0.0554; n = 5)
T	0.466 (0.0161; n = 5)
C	0.372 (0.0409; n = 5)

Kruskal-Wallis p value for the four-way comparison is 0.0247

	contrastsfour	dunns.P
5	V vs D	0.1082
1	D vs DT	0.01136

Kruskal-Wallis p value for the three-way comparison is 0.0845

	Comparison	P value	Direction
3	V vs D	0.07546	V > D
1	D vs DT	0.01486	D < DT

quadriceps phospho-eEF2 protein (normalized to GAPDH)

Treatment	Average (SD; n)
V	0.858 (0.209; n = 4)
D	1.03 (0.0442; n = 5)
T	1.18 (0.13; n = 5)
C	1.04 (0.0937; n = 5)

Kruskal-Wallis p value for the four-way comparison is 0.591

	contrastsfour	dunns.P
5	V vs D	0.4331
1	D vs DT	0.3074

Kruskal-Wallis p value for the three-way comparison is 0.77

	Comparison	P value	Direction
3	V vs D	0.4399	V < D
1	D vs DT	0.2904	D < DT

quadriceps phospho / total eEF2

Treatment	Average (SD; n)
V	2.08 (0.413; n = 4)
D	8.33 (2.64; n = 5)
T	2.56 (0.332; n = 5)
C	2.84 (0.402; n = 5)

Kruskal-Wallis p value for the four-way comparison is 0.0391

	contrastsfour	dunns.P
5	V vs D	0.04591
1	D vs DT	0.00388

Kruskal-Wallis p value for the three-way comparison is 0.0264

	Comparison	P value	Direction
3	V vs D	0.04815	V < D
1	D vs DT	0.003968	D > DT

quadriceps phospho-Foxo1/3 protein (normalized to GAPDH)

Treatment	Average (SD; n)
V	0.34 (0.037; n = 4)
D	0.365 (0.0411; n = 5)
T	0.405 (0.0842; n = 5)
C	0.311 (0.0581; n = 5)

Kruskal-Wallis p value for the four-way comparison is 0.504

	contrastsfour	dunns.P
5	V vs D	0.2682
1	D vs DT	0.3262

Kruskal-Wallis p value for the three-way comparison is 0.744

	Comparison	P value	Direction
3	V vs D	0.2248	V < D
1	D vs DT	0.3152	D > DT

quadriceps MuRF1 protein (normalized to GAPDH)

Treatment	Average (SD; n)
V	0.274 (0.0846; n = 4)
D	0.165 (0.0271; n = 5)
T	0.223 (0.0485; n = 5)
C	0.119 (0.0177; n = 5)

Kruskal-Wallis p value for the four-way comparison is 0.218

	contrastsfour	dunns.P
5	V vs D	0.119
1	D vs DT	0.2134

Kruskal-Wallis p value for the three-way comparison is 0.161

	Comparison	P value	Direction
3	V vs D	0.09938	V > D
1	D vs DT	0.2606	D > DT