Settings and Daily Locomotor Activity

Activity Profiles

Sleep Analysis

Actograms

Circadian Period Analysis

Documentation

ShinyR-DAM

v3.0 "Noble Drosophila"

Program analyzing locomotor activity in TriKinetics Drosophila Activity Monitor System

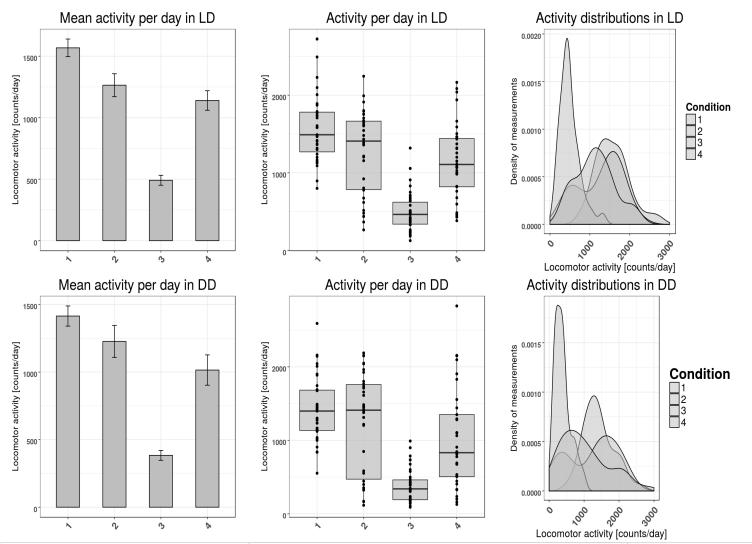
Karol Cichewicz, Jay Hirsh laboratory, University of Virginia, Charlottesville, VA

oad Monitor files									
rowse 5 files									
Upload	complete								
Number of Condition	ons								
4	©								
Condition name 1		Number of fl	ies in Condition 1	Color of C	andition 1		Monit	or file order: 1	
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Condition name 2			ies in Condition 2	Color of C				or file order: 2	_
2		Number of flies in Condition 3		#BEBEBE Color of Condition 3			Monitor62.txt ▼ Monitor file order: 3		
Condition name 3									
3		40	٥	#BEBEBI	E		Mon	nitor63.txt	•
Condition name 4		Number of fl	ies in Condition 4	Color of C	ondition 4		Monit	or file order: 4	
4		40	©	#BEBEBI	E		Mon	nitor64.txt	▼]
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							Mon	nitor65.txt	•
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) DD	23-0	6-2017 -	27-06-2017	1		٥	50		٥
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					1	61		1	62
	correct. Total		es in Conditions mato	ches the t	2	61 62		9	62

1] "Input dates correct. LD and DD days do not overlap"

3 63 17 64 24 4 64 25 65 32

[1] "Input data correct. The number of minutes in the recorded data matche s the number of days specified in settings."



🕹 Download daily locomotor activity data.csv (session/da34ುaa2)ស្រើមីdadbsiveHigel 67045601.ta2lbs/leibyMolcoadkotowakdiadtygelallerallss (session/da35ba22202)5fb6b514ffef1674551f2b/downloa

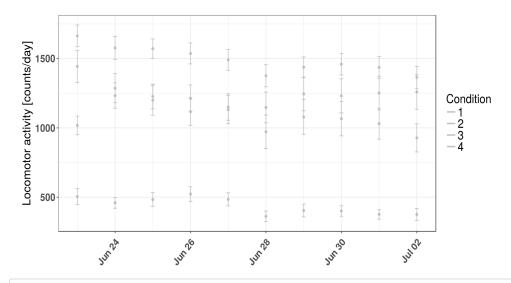
Locomotor activity in LD

Locomotor activity in DD

♣ Download individual fly daily activity.csv (session/da34baa2b25fb6b514ffef1674551f2b/download/downloadActivity_r

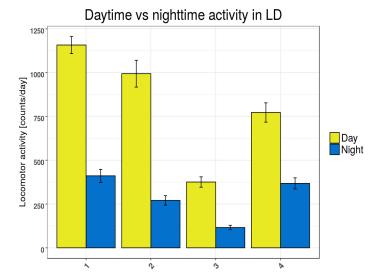
Condition	Light_cycle	Mean	SD	SEM	N_of_alive_flies	N_of	Condition	Light_cycle	Mean	SD	SEM	N_of_alive_flies	N_o
1	LD	1568.19	424.75	71.80	35		1	DD	1414.82	441.48	74.62	35	
2	LD	1264.22	543.51	93.21	34		2	DD	1226.91	689.48	118.24	34	
3	LD	491.09	249.13	40.42	38		3	DD	383.73	226.43	36.73	38	
4	LD	1139.84	483.35	79.46	37		4	DD	1015.16	681.98	112.12	37	

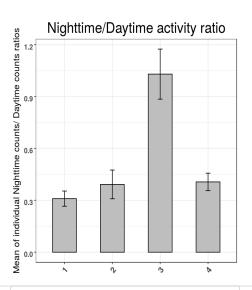
Locomotor activity by day



♣ Download locomotor activity by day.csv (session/da34baa2b25fb6b514ffef1674551f2b/download/download_activity_by_day?w=f5be2c20)

Daytime vs nighttime locomotor activity in LD





🕹 Download daytime vs nighttime activity.csv (session/da34baa2b25fb6b514ffef1674551f2b/download/daytime/dayt

Condition	Light_status	Mean	SEM
1	Day	1157.41	48.68
2	Day	993.77	76.46
3	Day	375.40	29.59
4	Dav	772.31	55.05

Condition	Light_status	Mean	SEM
1	Night	410.79	37.11
2	Night	270.45	26.68
3	Night	115.69	12.64
4	Night	367.53	31.71

Condition	Mean_night_day_counts_ratio	SEM
1	0.31	0.04
2	0.39	0.08
3	1.03	0.14
4	0.41	0.05