

## S1 text : Supplementary Tables

Table A: Statistical tests for pair-wise comparison of the distributions presented in Fig 1.

Table B: Normality test for parameter distributions in Fig 1.

Table C: Statistical tests of the results presented in Fig 3.

Table D,E: Statistical tests relative to the results shown in Fig 7.

Table F: Statistical tests relative to the results shown in Fig S7. H and  $p$ -values reported were calculated by Mann-Whitney U test.

**Table A.** Statistical tests for pair-wise comparison of the distributions presented in Fig 1. The table reports the H and *p* values for a Mann-Whitney U test at 0.05 confidence. Samples are numbered according to their age, in h AEL (hours after egg laying). In red, are the conditions for which the *p*-value is higher than the standard 0.05. wp = white pupa, perim = perimeter, circ = circularity

<b>Mann-Whitney U test - H</b>					
	Area - < 90h	Area - 90-95h	Area - 95-100h	Area - >100h	Area - wp
Area - < 90h	0				
Area - 90-95h	0	0			
Area - 95-100h	1	0	0		
Area - > 100h	1	1	1	0	
Area - wp	1	1	1	1	0

  

<b>Mann-Whitney U test - p</b>					
	Area - < 90h	Area - 90-95h	Area - 95-100h	Area - >100h	Area - wp
Area - < 90h	1				
Area - 90-95h	4,47E-01	1			
Area - 95-100h	2,68E-02	6,85E-02	1		
Area - > 100h	3,95E-24	2,02E-30	7,02E-20	1	
Area - wp	5,16E-24	2,97E-27	1,49E-21	1,68E-07	1

  

<b>Mann-Whitney U test - H</b>					
	Perim - < 90h	Perim - 90-95h	Perim - 95-100h	Perim - >100h	Perim - wp
Perim - < 90h	0				
Perim - 90-95h	1	0			
Perim - 95-100h	1	0	0		
Perim - > 100h	1	1	1	0	
Perim - wp	1	1	1	1	0

  

<b>Mann-Whitney U test - p</b>					
	Perim - < 90h	Perim - 90-95h	Perim - 95-100h	Perim - >100h	Perim - wp
Perim - < 90h	1				
Perim - 90-95h	1,43E-04	1			
Perim - 95-100h	3,92E-04	8,53E-01	1		
Perim - > 100h	8,59E-30	7,08E-29	2,07E-27	1	
Perim - wp	1,51E-07	1,63E-04	2,69E-04	1,43E-05	1

  

<b>Mann-Whitney U test - H</b>					
	Circ - < 90h	Circ - 90-95h	Circ - 95-100h	Circ - >100h	Circ - wp
Circ - < 90h	0				
Circ - 90-95h	1	0			
Circ - 95-100h	1	1	0		
Circ - > 100h	1	1	1	0	
Circ - wp	1	1	1	1	0

  

<b>Mann-Whitney U test - p</b>					
	Circ - < 90h	Circ - 90-95h	Circ - 95-100h	Circ - >100h	Circ - wp
Circ - < 90h	1				
Circ - 90-95h	6,76E-12	1			
Circ - 95-100h	6,53E-21	1,36E-03	1		
Circ - > 100h	3,06E-65	1,97E-68	5,96E-65	1	
Circ - wp	2,89E-31	4,13E-31	2,13E-30	1,54E-02	1

**Table B.** Normality test for parameter distributions in Fig 1. Samples are numbered according to their age, in h AEL (hours after egg laying). wp = white pupa, perim = perimeter, circ = circularity

	Lilliefors test		Anderson-Darling test	
	H	<i>p</i>	H	<i>p</i>
Area - < 90h	0	1,91E-01	1	1,73E-02
Area - 90-95h	1	1,15E-02	1	4,35E-03
Area - 95-100h	1	1,00E-03	1	5,00E-04
Area - > 100h	1	1,00E-03	1	5,00E-04
Area - wp	1	3,96E-02	1	1,65E-03
Perim- < 90h	0	1,66E-01	0	7,95E-02
Perim- 90-95h	1	3,88E-02	0	2,16E-01
Perim- 95-100h	1	1,00E-03	1	5,00E-04
Perim- > 100h	1	1,00E-03	1	5,00E-04
Perim- wp	0	6,87E-02	1	3,85E-03
Circ - < 90h	0	5,00E-01	0	7,02E-01
Circ - 90-95h	0	1,60E-01	0	9,65E-02
Circ - 95-100h	1	1,00E-03	1	5,00E-04
Circ - > 100h	1	1,00E-03	1	5,00E-04
Circ - wp	1	1,00E-03	1	5,00E-04

**Table C.** Statistical tests of the results presented in Fig 3. H and *p*-values reported were calculated by Mann-Whitney U test. wt: wild type; wwt: with respect to;

	median	Area - H wrt wt	Area - p wrt wt
wt	135,30		
Rab11	50,12	1	1,67E-26
Stg	20,06	1	1,11E-137
Cad-RNAi	138,22	0	1,94E-1

  

	median	Perim - H wrt wt	Perim - p wrt wt
wt	99,69		
Rab11	30,01	1	3,80E-32
Stg	18,56	1	2,14E-143
Cad-RNAi	52,43	1	7,3E-19

  

	median	Circ - H wrt wt	Circ - p wrt wt
wt	0,17		
Rab11	0,74	1	4,01E-38
Stg	0,75	1	4,57E-145
Cad-RNAi	0,62	1	5,2E-25

**Table D.** Statistical tests relative to the results shown in Fig 7. H and *p*-values reported were calculated by Mann-Whitney U test. wt: wild type; wrt: with respect to

	median	Area - H wrt wt	Area - p wrt wt
wt	135,30		
InR-DN	181,88	1	2,48E-02
TSC1-RNAi	87,51	1	3,60E-08

**Table E.** Statistical tests corresponding to the data shown in Fig 7D. H and *p*-values reported were calculated by Mann-Whitney U test.

	WT	InRdn	TSC1
Area (µm <sup>2</sup> )	1.5004E+03	1.0042 E+03	1.8567E+03
p (Mann-Whitney) vs WT		0,0142	0,0228

**Table F.** Statistical tests relative to the results shown in Fig S7. H and *p*-values reported were calculated by Mann-Whitney U test.

	median		wt_wp VS InRdn_wp	
	wt	InRdn	H	p
area	88,29	155,71	1	1,32E-07
circ	0,22	2,78E-01	1	9,77E-04