

ratio calculation - % total area vs longitudinal muscle area

atok		total segment area [μm^2]	
sample	segment	total mean	standard deviation
1	7-14	1174503	48762
	31-38	861892	41846
2	7-14	1318672	187435
	31-38	1142946	129988
3	7-14	673939	16782
	31-38	515599	39763
4	7-14	1433884	46099
	31-38	1364230	46108
5	7-14	1580660	50652
	31-38	1013707	45246
6	7-14	1513105	56368
	31-38	633877	39455
7	7-14	1850524	188245
	31-38	1565904	73193

total dorsal longitudinal muscle (dlm) area [μm^2]		% relation total segment area vs total dlm
total mean	standard deviation	
52200	6582	4,44
36651	5123	4,25
84128	13246	6,38
75713	10849	6,62
35180	3475	5,22
25926	4296	5,03
42996	4824	3,00
46688	3871	3,42
84584	10518	5,35
44010	8708	4,34
75590	4500	5,00
21995	1657	3,47
92241	8681	4,98
65944	10826	4,21

total ventral longitudinal muscle (vlm) area [μm^2]		% relation total segment area vs total vlm
total mean	standard deviation	
47859	3701	4,07
40893	2745	4,74
55047	4934	4,17
60406	5853	5,29
31028	2072	4,60
23347	4572	4,53
48949	5753	3,41
46997	4912	3,44
60246	6206	3,81
46026	9047	4,54
50454	2500	3,33
24546	2650	3,87
65855	4517	3,56
52719	3690	3,37

	segment	total mean	standard deviation
	7-14	1363612	370790
	31-38	1014022	378576

total mean	standard deviation	mean % relation	standard deviation	total mean	standard deviation	mean % relation	standard deviation
66703	22806	4,91	1,03	51348	11067	3,85	0,46
45275	19782	4,48	1,09	42133	13836	4,25	0,71

ratio calculation - % total area vs longitudinal muscle area

female		total segment area [μm^2]	
sample	segment	total mean	standard deviation
1	7-14	1109317	34381
	31-38	830639	55082
2	7-14	1853722	76026
	31-38	1496426	34282
3	7-14	2265208	67304
	31-38	1748065	70106
4	7-14	3029957	82560
	31-38	1510869	178904
5	7-14	1486409	112459
	31-38	1118266	68323
6	7-14	2005352	68200
	31-38	2008027	38049
7	7-14	1491610	86486
	31-38	1196085	50646
8	7-14	1587377	86045
	31-38	1339577	33915

total dorsal longitudinal muscle (dlm) area [μm^2]		% relation total segment area vs total dlm
total mean	standard deviation	
18192	1816	1,64
24543	6273	2,95
16077	1764	0,87
25486	1863	1,70
15244	2308	0,67
16460	2681	0,94
22728	4361	0,75
25787	4457	1,71
11513	1911	0,77
16887	2022	1,51
21679	4070	1,08
23727	3224	1,18
9355	2623	0,63
15038	2576	1,26
17145	5047	1,08
18828	3358	1,41

total ventral longitudinal muscle (vlm) area [μm^2]		% relation total segment area vs total vlm
total mean	standard deviation	
23819	3369	2,15
26764	2437	3,22
19148	3786	1,03
25853	1269	1,73
19077	3210	0,84
22089	3418	1,26
21633	3177	0,71
35606	4417	2,36
14532	2714	0,98
18616	1782	1,66
26583	3164	1,33
21116	4851	1,05
11075	1307	0,74
18894	2700	1,58
15145	2979	0,95
19327	2147	1,44

	segment	total mean	standard deviation
	7-14	1853619	593653
	31-38	1405994	370507

total mean	standard deviation	mean % relation	standard deviation	total mean	standard deviation	mean % relation	standard deviation
16492	4576	0,94	0,33	18877	5143	1,09	0,47
20844	4482	1,58	0,61	23533	5768	1,79	0,69

ratio calculation - % total area vs longitudinal muscle area

male		total segment area [μm^2]	
sample	segment	total mean	standard deviation
1	7-14	1361662	117623
	31-38	1669426	42241
2	7-14	1422861	58894
	31-38	1294621	79105
3	7-14	1595780	121114
	31-38	1147339	84962
4	7-14	2389050	118873
	31-38	1577668	135051
5	7-14	1810142	127568
	31-38	1381647	61907
6	7-14	1584326	83065
	31-38	1322660	44577
7	7-14	1441977	158505
	31-38	1589705	144756
8	7-14	2075680	153607
	31-38	1408578	75716

total dorsal longitudinal muscle (dlm) area [μm^2]		% relation total segment area vs total dlm
total mean	standard deviation	
13751	2842	1,01
30370	2234	1,82
10317	2210	0,73
27279	2543	2,11
18876	3508	1,18
36244	1831	3,16
32849	4793	1,37
45711	5322	2,90
52506	6499	2,90
39608	4709	2,87
40973	6232	2,59
35987	2227	2,72
25588	3028	1,77
42557	2883	2,68
25348	4694	1,22
34431	5009	2,44

total ventral longitudinal muscle (vlm) area [μm^2]		% relation total segment area vs total vlm
total mean	standard deviation	
13435	1928	0,99
24215	1373	1,45
9803	1191	0,69
27930	2097	2,16
21898	4189	1,37
32728	2602	2,85
31754	2838	1,33
40247	3080	2,55
37823	4131	2,09
36857	6622	2,67
37578	1538	2,37
26242	2415	1,98
24969	1648	1,73
33806	2500	2,13
21178	3599	1,02
28871	2211	2,05

	segment	total mean	standard deviation
	7-14	1710185	360421
	31-38	1423955	176023

total mean	standard deviation	mean % relation	standard deviation	total mean	standard deviation	mean % relation	standard deviation
27526	14154	1,60	0,77	24805	10399	1,45	0,58
36523	6076	2,59	0,44	31362	5507	2,23	0,45