

Table S1. Primer sequences used in this study.

Gene names	Forward sequence (5'-3')	Reverse sequence (5'-3')	Anneling temperature
<i>ZnNLaz1</i> (sub-cloning)	GTGCATATGAAGTTCAAAGTAGGAG	GGAACAAAAACACCGAAAGG	58
<i>ZnNLaz1</i> (qPCR)	GCTGCGGCTGTTAATTCTTC	CTATGCCAGACTTCGACTTGTC	60
<i>ZnNLaz1</i> (dsRNA synthesis)	TGGGAGTGTGGTATGAGGTG	CTCCTGCCAAAGAAATACCC	58

Table S2. The significantly differentially expressed 248 genes identified by Cufflinks between Day 0 and Day 3 in the head of the No. 1 larva (sorted by q value).

Gene Id	Expression values in head of the No. 1 larva at Day 0	Expression values of head in the No. 1 larva at Day 3	log2 (fold_change)	test_stat	p_value	q_value
Znev_11096	0.380117	67.3966	7.47009	-8.86993	0	0
Znev_05665	2.99124	487.475	7.34844	-9.07014	0	0
Znev_06453	0.419642	60.239	7.16539	-8.61312	0	0
Znev_10522	314.854	4.27252	-6.20345	8.3356	0	0
Znev_04108	110.192	1.41803	-6.27999	8.30383	0	0
Znev_18409	372.357	4.13808	-6.49158	8.56411	0	0
Znev_13331	467.428	4.07361	-6.84229	8.79077	0	0
Znev_02599	336.283	2.90919	-6.85292	8.76174	0	0
Znev_02605	176.962	1.18885	-7.21772	8.7326	0	0
Znev_01305	626.127	2.40424	-8.02473	8.69428	0	0
Znev_13253	96089.3	256.842	-8.54735	9.19304	0	0
Znev_02600	181.665	0.529595	-8.42218	8.22617	2.22045E-16	2.20879E-13
Znev_10524	136.098	1.05843	-7.00658	8.02098	1.11022E-15	1.01944E-12
Znev_11922	97.1724	0.644803	-7.23555	7.9731	1.55431E-15	1.32527E-12
Znev_04905	1.07815	71.1767	6.04477	-7.88918	3.10862E-15	2.47384E-12
Znev_11927	168.651	0.359147	-8.87525	7.84957	4.21885E-15	3.14752E-12
Znev_07663	138.819	3.28095	-5.40295	7.61139	2.70894E-14	1.90216E-11
Znev_10521	135.395	1.97817	-6.09686	7.41631	1.20348E-13	7.98109E-11
Znev_05808	338.017	10.4582	-5.01439	7.36924	1.7164E-13	1.07835E-10
Znev_09276	7.48937	0.159678	-5.55161	7.32646	2.36255E-13	1.41009E-10
Znev_02276	59.669	0.2135	-8.1266	7.23282	4.72955E-13	2.68841E-10
Znev_02087	5.26991	139.747	4.7289	-7.0918	1.32383E-12	7.18298E-10
Znev_12938	4.67316	118.486	4.66418	-7.01167	2.35501E-12	1.22225E-09
Znev_02597	79.2004	1.20702	-6.03599	6.94545	3.77254E-12	1.74804E-09
Znev_05882	2.42306	62.7408	4.6945	-6.94415	3.8074E-12	1.74804E-09
Znev_10010	0.276489	20.4505	6.20877	-6.95479	3.53095E-12	1.74804E-09
Znev_11926	99.3595	3.73335	-4.73411	6.92738	4.28702E-12	1.89534E-09
Znev_10404	543.657	23.6987	-4.51982	6.85216	7.27418E-12	3.10114E-09
Znev_00092	29.2449	0.623059	-5.55267	6.75783	1.40072E-11	5.76567E-09
Znev_06454	0.145234	146.524	9.97854	-6.73879	1.59712E-11	6.35495E-09
Znev_12860	91.7918	1.44052	-5.9937	6.63207	3.31E-11	1.23473E-08
Znev_01070	209.874	6.22616	-5.07504	6.63652	3.2117E-11	1.23473E-08
Znev_02601	56.2852	0.33734	-7.38241	6.57018	5.02554E-11	1.81787E-08
Znev_15572	22.0074	0.222545	-6.62775	6.52434	6.83027E-11	2.39803E-08
Znev_16996	46.3124	2.26815	-4.35181	6.51793	7.12848E-11	2.43122E-08
Znev_02604	51.5565	0.779004	-6.04838	6.494	8.35882E-11	2.77165E-08
Znev_09038	167.706	8.98034	-4.22302	6.34133	2.27783E-10	7.34878E-08
Znev_10516	199.629	11.9457	-4.06276	6.28574	3.26301E-10	1.02501E-07
Znev_13880	26.6218	0.607026	-5.45471	6.25255	4.03798E-10	1.23593E-07
Znev_01403	5.17128	85.5165	4.04761	-6.20377	5.51256E-10	1.64509E-07
Znev_09120	4.03842	132.915	5.04057	-6.17212	6.7381E-10	1.96177E-07
Znev_04409	48.9866	1.66618	-4.87777	6.16583	7.01132E-10	1.99272E-07
Znev_12175	44.6426	1.60277	-4.79978	6.06582	1.31286E-09	3.64455E-07
Znev_16361	159940	12762.2	-3.64758	6.02727	1.66751E-09	4.52389E-07
Znev_10605	18.7055	0.172989	-6.75664	5.9871	2.13619E-09	5.55165E-07
Znev_05807	318.859	23.1165	-3.78592	5.98576	2.15384E-09	5.55165E-07
Znev_02855	46.1659	609.738	3.72329	-5.98336	2.18587E-09	5.55165E-07
Znev_09118	2.37509	64.8555	4.77117	-5.95792	2.55464E-09	6.35307E-07
Znev_01148	14.6859	0.218618	-6.06988	5.94125	2.82853E-09	6.89064E-07
Znev_11928	190.1	12.54	-3.92215	5.92831	3.06072E-09	7.30717E-07
Znev_09774	2340.41	143.039	-4.03228	5.86939	4.374E-09	1.02377E-06
Znev_05812	229.243	18.725	-3.61384	5.81019	6.24033E-09	1.43153E-06
Znev_13044	30.1228	370.203	3.61939	-5.80711	6.35597E-09	1.43153E-06
Znev_06455	22.3911	598.723	4.74089	-5.73522	9.73837E-09	2.15272E-06
Znev_05754	56.9474	1.52183	-5.22575	5.72794	1.01655E-08	2.20629E-06
Znev_04110	66.5919	0.557965	-6.89903	5.71793	1.0783E-08	2.29851E-06
Znev_07337	79.3871	6.09433	-3.70336	5.68409	1.31509E-08	2.75407E-06
Znev_10734	20.6986	1.12904	-4.19636	5.64805	1.62274E-08	3.33976E-06
Znev_11818	907.045	71.6929	-3.66127	5.62088	1.89988E-08	3.84388E-06
Znev_09541	33.2124	2.9772	-3.4797	5.59257	2.23732E-08	4.45115E-06
Znev_05556	510.031	42.0778	-3.59945	5.58424	2.34722E-08	4.59324E-06
Znev_06620	39.4109	3.51905	-3.48534	5.525	3.2948E-08	6.34355E-06
Znev_08997	4002.42	369.706	-3.43642	5.50192	3.75678E-08	7.11821E-06
Znev_04232	9.95878	0.197742	-5.65428	5.49357	3.93881E-08	7.3465E-06
Znev_11929	508.942	0.773489	-9.3619	5.46794	4.55299E-08	8.3614E-06
Znev_06949	88.5846	3.66887	-4.59365	5.44914	5.06142E-08	9.15428E-06
Znev_10520	101.806	0.799458	-6.99259	5.44084	5.30313E-08	9.44828E-06

Table S2. *Continued.*

Znev_00010	341.2	32.8271	-3.37766	5.42507	5.79316E-08	1.01696E-05
Znev_13338	42.8701	3.27152	-3.71194	5.38357	7.30238E-08	1.26331E-05
Znev_06615	0.50905	14.6789	4.84979	-5.32974	9.83541E-08	1.67722E-05
Znev_18770	103.887	9.65505	-3.42759	5.31769	1.05094E-07	1.76691E-05
Znev_00412	97.4941	9.80978	-3.31302	5.30404	1.13267E-07	1.82713E-05
Znev_02014	40.3587	4.49108	-3.16775	5.30578	1.12194E-07	1.82713E-05
Znev_05498	15.0061	174.709	3.54134	-5.30453	1.12961E-07	1.82713E-05
Znev_13112	1.31541	24.0505	4.19249	-5.28885	1.23091E-07	1.95911E-05
Znev_13642	140.795	15.8912	-3.1473	5.25965	1.44329E-07	2.26692E-05
Znev_01179	43.7	2.3644	-4.20808	5.25638	1.46919E-07	2.27763E-05
Znev_09580	28.0297	2.5275	-3.47118	5.23987	1.60689E-07	2.45916E-05
Znev_03961	54.5167	5.99322	-3.18529	5.15094	2.5919E-07	3.91639E-05
Znev_01314	20.8693	0.777776	-4.74588	5.1389	2.76349E-07	4.12347E-05
Znev_03865	43.8031	4.32166	-3.34138	5.13497	2.82194E-07	0.000041587
Znev_11366	47.3466	4.67319	-3.34078	5.11967	3.06074E-07	4.45561E-05
Znev_01787	6.18992	52.8513	3.09395	-5.10711	3.27129E-07	4.70475E-05
Znev_05078	1.27686	16.6268	3.70284	-5.08722	3.63349E-07	5.16346E-05
Znev_14153	14.3513	114.357	2.99429	-5.07729	3.82853E-07	5.37661E-05
Znev_06244	42.2262	2.66874	-3.98391	5.04781	4.46903E-07	6.20312E-05
Znev_00003	218.465	22.1581	-3.3015	5.04509	4.53315E-07	6.21979E-05
Znev_00446	31.238	334.011	3.41852	-4.99129	5.99785E-07	8.13594E-05
Znev_05896	269.536	28.2311	-3.25512	4.92829	8.29514E-07	0.00011257
Znev_15994	24.3821	0.886106	-4.7822	4.90491	9.34721E-07	0.000123975
Znev_17853	39.4224	4.05165	-3.28244	4.89575	9.79332E-07	0.000128465
Znev_08955	75.8964	10.2537	-2.88789	4.88457	1.03657E-06	0.000134495
Znev_06221	21.8653	2.80991	-2.96005	4.87404	1.09341E-06	0.000140344
Znev_11526	641.375	78.205	-3.03584	4.84235	1.28315E-06	0.000162947
Znev_10518	50.7276	0.358815	-7.14339	4.82285	1.41525E-06	0.000177829
Znev_09004	5847.49	653.171	-3.16228	4.81184	1.49548E-06	0.000185954
Znev_12960	10.9782	75.2266	2.77661	-4.77186	1.8253E-06	0.000224625
Znev_05890	276.288	37.898	-2.86598	4.74502	2.08486E-06	0.000253948
Znev_09549	2.43346	72.7784	4.90243	-4.73938	2.14378E-06	0.000258487
Znev_01312	35.3677	0.241877	-7.19202	4.72801	2.26736E-06	0.000270655
Znev_05881	438.952	60.0843	-2.869	4.71119	2.46278E-06	0.000291071
Znev_03569	81.9015	12.1971	-2.74736	4.69932	2.61028E-06	0.00030548
Znev_07480	111.822	7.57884	-3.88309	4.69341	2.68694E-06	0.000310491
Znev_04263	0.0863874	10.8836	6.97712	-4.69203	2.70513E-06	0.000310491
Znev_17188	137.132	19.2167	-2.83513	4.67053	3.0042E-06	0.000341535
Znev_00093	4.99023	0.56764	-3.13606	4.66719	3.05348E-06	0.000343862
Znev_01311	25.2192	0.602837	-5.38661	4.6598	3.16524E-06	0.000353116
Znev_08434	16.5212	1.63851	-3.33386	4.65528	3.23547E-06	0.000356687
Znev_07565	43.4665	6.44096	-2.75455	4.65391	3.25701E-06	0.000356688
Znev_04736	8.50761	0.290199	-4.87364	4.64576	3.38821E-06	0.000367682
Znev_14659	4.68351	34.6929	2.88898	-4.61056	4.01594E-06	0.000431876
Znev_03574	46.8804	7.41829	-2.65983	4.60776	4.07033E-06	0.000433818
Znev_03587	5.00571	0.450062	-3.47538	4.59697	4.2868E-06	0.000452845
Znev_10783	2015.99	189.036	-3.41475	4.57918	4.66813E-06	0.000488803
Znev_14199	7.20114	0.468983	-3.94062	4.50334	6.68923E-06	0.000694342
Znev_13450	95.3078	13.1194	-2.8609	4.49056	7.10372E-06	0.00073101
Znev_17023	31.2502	5.29075	-2.56232	4.4639	8.04809E-06	0.000821112
Znev_08407	18.2403	0.504661	-5.17567	4.45651	8.33058E-06	0.00084273
Znev_02235	0.968347	6.52875	2.75321	-4.42678	9.56481E-06	0.000959455
Znev_02438	0.146218	4.87635	5.05961	-4.4077	1.04472E-05	0.00103923
Znev_13362	17.0965	2.35712	-2.8586	4.37725	1.20189E-05	0.00118569
Znev_01875	20.1805	2.38285	-3.0822	4.33699	1.44448E-05	0.00141334
Znev_02692	0.205705	2.61971	3.67076	-4.33095	1.48467E-05	0.00144085
Znev_16936	136.282	20.905	-2.70467	4.32795	1.50501E-05	0.00144882
Znev_05227	2.4419	19.7115	3.01296	-4.32589	1.51916E-05	0.00145074
Znev_06235	12.4142	1.01338	-3.61474	4.31575	1.59059E-05	0.0015069
Znev_13226	5.21021	0.377696	-3.78604	4.29555	1.74263E-05	0.00163794
Znev_00033	40.442	6.18174	-2.70977	4.2772	1.89261E-05	0.00176501
Znev_03213	1.35218	10.7398	2.98961	-4.26416	2.00659E-05	0.0018568
Znev_02423	0.529337	42.5359	6.32835	-4.21654	2.48083E-05	0.00227797
Znev_02644	3.89605	25.1318	2.68943	-4.21211	2.52997E-05	0.00230536
Znev_03908	499.347	63.0239	-2.98607	4.20151	2.65143E-05	0.00239774
Znev_16921	182.335	34.6321	-2.39641	4.19846	2.68738E-05	0.00241197
Znev_18173	161.405	30.9072	-2.38467	4.18237	2.88491E-05	0.00256994
Znev_15415	10.2434	0.900257	-3.50821	4.17135	3.02796E-05	0.00267739
Znev_05889	55.9784	9.2358	-2.59956	4.152	0.000032958	0.00289279
Znev_05318	31.2346	5.50118	-2.50533	4.146	0.000033833	0.00294792

Table S2. Continued.

Znev_06669	169.217	33.5025	-2.33653	4.10979	3.96025E-05	0.00340097
Znev_01313	25.6027	0.326241	-6.29421	4.09534	4.21543E-05	0.00359426
Znev_06158	20.4623	3.25299	-2.65313	4.08741	4.36215E-05	0.00369298
Znev_03518	1.05908	6.08697	2.52291	-4.05259	5.06546E-05	0.0042582
Znev_01328	79.3748	13.5124	-2.5544	4.02962	5.58679E-05	0.00466361
Znev_14317	590.554	116.826	-2.33771	4.02769	0.000056328	0.00466936
Znev_03430	26.54	3.54896	-2.9027	4.02584	5.67726E-05	0.00467375
Znev_17433	51.4867	10.6308	-2.27595	4.02132	5.78735E-05	0.00469956
Znev_07330	5.20305	31.1525	2.58192	-4.02243	5.76015E-05	0.00469956
Znev_07863	80.9191	16.381	-2.30446	4.01418	5.96521E-05	0.00481126
Znev_16752	11.3268	2.06577	-2.45499	3.99478	6.47553E-05	0.00518781
Znev_14564	507.256	1.40395	-8.49708	3.98679	6.69733E-05	0.00530437
Znev_01418	18.6136	2.50484	-2.89357	3.98635	6.70989E-05	0.00530437
Znev_03426	399.775	69.1897	-2.53056	3.98075	6.86984E-05	0.00539508
Znev_03425	75.5248	14.759	-2.35535	3.97525	7.03051E-05	0.00548518
Znev_17766	2.18346	13.1128	2.58628	-3.96991	7.18996E-05	0.00557315
Znev_07906	28.6913	4.43383	-2.69399	3.96759	7.26034E-05	0.0055914
Znev_05398	32.7201	185.765	2.50523	-3.95921	7.51988E-05	0.00575415
Znev_05145	9.71281	0.388608	-4.6435	3.95191	7.75315E-05	0.00589486
Znev_09362	168.758	21.7166	-2.95808	3.9468	7.92022E-05	0.00598377
Znev_02430	0	145.86	1.79769e+308	1.79769e+308	8.28053E-05	0.00621665
Znev_05261	57.1446	8.65957	-2.72225	3.93268	8.40057E-05	0.00626735
Znev_13425	157.749	25.6103	-2.62283	3.92395	8.71082E-05	0.00645845
Znev_09540	114.288	20.8614	-2.45377	3.91596	9.00455E-05	0.00663502
Znev_12452	52.436	8.97095	-2.54723	3.90056	9.59702E-05	0.00698534
Znev_02940	16.7463	3.59676	-2.21907	3.9007	9.59132E-05	0.00698534
Znev_06332	4.01497	0.167171	-4.58599	3.8947	9.83222E-05	0.00711316
Znev_07486	30.0724	6.54652	-2.19964	3.88832	0.00010094	0.00725858
Znev_00259	34.1457	6.5044	-2.39221	3.88476	0.000102431	0.00727811
Znev_06009	6.52	37.1316	2.5097	-3.88516	0.000102262	0.00727811
Znev_15896	3.8532	0.260925	-3.88435	3.87454	0.000106825	0.00747951
Znev_01457	69.6113	15.3202	-2.18389	3.87381	0.000107146	0.00747951
Znev_06341	6.05194	37.6816	2.63839	-3.87567	0.000106333	0.00747951
Znev_00441	152.696	22.4247	-2.7675	3.86764	0.000109893	0.00762671
Znev_04937	24.7324	0	-1.79769e+308	-1.79769e+308	0.000120277	0.00829914
Znev_17164	1.46337	8.75381	2.58061	-3.82439	0.000131098	0.00894239
Znev_06342	3.76975	62.3127	4.04699	-3.82454	0.000131017	0.00894239
Znev_07939	71.1065	13.2504	-2.42395	3.79803	0.000145849	0.00989206
Znev_16284	102.686	8.27402	-3.6335	3.79503	0.000147625	0.0099559
Znev_13866	45.4723	10.3461	-2.1359	3.77129	0.000162404	0.0108303
Znev_06444	9.86628	0	-1.79769e+308	-1.79769e+308	0.000161869	0.0108303
Znev_08048	22.3501	0	-1.79769e+308	-1.79769e+308	0.000165763	0.0109928
Znev_15030	2.37915	16.7135	2.81249	-3.74895	0.000177575	0.0117111
Znev_12979	61.9054	14.4306	-2.10094	3.73654	0.00018657	0.0122367
Znev_13498	22.0674	4.46868	-2.304	3.73206	0.00018992	0.0123884
Znev_10079	3.65751	20.0179	2.45236	-3.72807	0.00019295	0.0125176
Znev_06576	43.0263	9.10715	-2.24015	3.72192	0.000197714	0.0127574
Znev_10601	300.961	50.4256	-2.57735	3.71372	0.000204238	0.0131075
Znev_11207	64.5096	12.7956	-2.33387	3.71189	0.000205714	0.0131316
Znev_08645	108.16	5114.15	5.56326	-3.70262	0.000213384	0.0135487
Znev_06526	89.9579	20.1558	-2.15806	3.69913	0.000216341	0.0136638
Znev_09310	81.4441	9.62365	-3.08115	3.69213	0.00022238	0.0139713
Znev_07540	1.5087	10.3271	2.77506	-3.69012	0.000224149	0.0140087
Znev_07827	47.301	9.59016	-2.30224	3.68235	0.000231097	0.0143677
Znev_15631	700.976	168.819	-2.05389	3.66526	0.000247083	0.015282
Znev_10514	101.589	21.8257	-2.21865	3.65621	0.000255967	0.0157499
Znev_11011	8.66114	0.674123	-3.68347	3.65306	0.000259129	0.0158627
Znev_00254	2.35857	14.5994	2.62992	-3.63716	0.000275656	0.0167883
Znev_09494	5.26441	1.17805	-2.15987	3.63486	0.000278135	0.0168533
Znev_03171	53.2113	13.0949	-2.02272	3.61797	0.000296921	0.0178829
Znev_14541	11.0744	53.9916	2.2855	-3.61692	0.000298124	0.0178829
Znev_07676	36.9892	5.60979	-2.72109	3.61036	0.00030577	0.0182499
Znev_07248	3.0519	14.4802	2.2463	-3.60348	0.000313982	0.0186468
Znev_14963	20.5819	3.46458	-2.57063	3.602	0.00031578	0.0186607
Znev_05101	129.499	18.3048	-2.82265	3.59541	0.000323883	0.0190453
Znev_11891	93.9647	23.3739	-2.00722	3.59222	0.000327874	0.0191854
Znev_10740	24.6821	1.71039	-3.85107	3.57888	0.00034507	0.0199956
Znev_15416	71.9539	16.5318	-2.12183	3.57964	0.000344071	0.0199956
Znev_11433	37.7049	8.65561	-2.12304	3.57715	0.000347357	0.0200309
Znev_12711	0.417454	2.91843	2.8055	-3.57204	0.000354217	0.020231

Table S2. *Continued.*

Znev_00635	69.319	17.416	-1.99284	3.56194	0.000368125	0.0209253
Znev_14163	9.73461	1.06457	-3.19285	3.54651	0.000390377	0.022085
Znev_05473	4.22173	24.201	2.51916	-3.54505	0.000392533	0.0221022
Znev_12153	10.11	2.30311	-2.13413	3.53861	0.000402241	0.0225425
Znev_02416	2611.41	10390.9	1.99242	-3.53653	0.000405424	0.0226147
Znev_02414	866.163	3486.05	2.00888	-3.53199	0.000412448	0.0228995
Znev_17097	0.968581	5.52911	2.5131	-3.51363	0.000442023	0.0244279
Znev_02004	16.3908	3.5688	-2.19937	3.47803	0.000505106	0.0277855
Znev_18394	3.69985	17.1271	2.21074	-3.46809	0.000524173	0.0287021
Znev_09952	16.7586	2.45191	-2.77292	3.46384	0.000532521	0.029026
Znev_17813	38.9837	8.99923	-2.115	3.46018	0.000539809	0.029157
Znev_18259	28.4446	6.72393	-2.08078	3.46074	0.000538686	0.029157
Znev_01668	46.202	11.6285	-1.99029	3.45822	0.000543747	0.0292374
Znev_01338	2.68007	10.2356	1.93325	-3.45426	0.000551805	0.0295377
Znev_13449	12.0418	2.36553	-2.34781	3.45281	0.000554773	0.029564
Znev_01625	117.297	30.2973	-1.95291	3.43602	0.000590334	0.0312624
Znev_05158	1.21584	8.65254	2.83117	-3.43531	0.000591882	0.0312624
Znev_11603	1.75293	9.42665	2.42697	-3.43045	0.000602578	0.0316871
Znev_00453	39.1393	3.94024	-3.31226	3.4262	0.000612091	0.0319062
Znev_11906	2.74171	13.3127	2.27966	-3.42738	0.000609444	0.0319062
Znev_09909	43.3457	9.15346	-2.2435	3.42256	0.000620341	0.0321957
Znev_08397	17.7955	4.27409	-2.05782	3.38945	0.000700318	0.0360332
Znev_04925	2.52273	11.2087	2.15156	-3.39031	0.000698125	0.0360332
Znev_07544	38.0302	10.1628	-1.90384	3.38394	0.000714548	0.0366075
Znev_09826	26.1067	3.49677	-2.90032	3.37774	0.000730843	0.0372824
Znev_03593	0.138644	2.14203	3.94953	-3.35238	0.000801189	0.040697
Znev_02794	436.951	90.9676	-2.26405	3.3462	0.000819269	0.041439
Znev_11419	49.9306	12.7222	-1.97257	3.34443	0.000824507	0.041528
Znev_11226	2.48812	12.2657	2.30151	-3.33383	0.000856593	0.0429628
Znev_07409	42.0301	9.61856	-2.12753	3.32263	0.000891718	0.0445374
Znev_14125	32.8265	120.879	1.88064	-3.31857	0.000904806	0.0450028
Znev_04006	20.3838	5.73923	-1.82849	3.30288	0.000956972	0.0473999
Znev_18543	17347.3	3743.65	-2.2122	3.29498	0.000984275	0.0485508
Znev_08642	11.3019	2.60788	-2.11561	3.28642	0.00101469	0.0492372
Znev_05888	432.273	103.849	-2.05746	3.28715	0.00101206	0.0492372
Znev_07678	1.72714	7.71209	2.15874	-3.28841	0.00100754	0.0492372
Znev_04671	0.937768	5.26005	2.48777	-3.28951	0.00100362	0.0492372
Znev_11116	9.29348	2.18911	-2.08587	3.28039	0.00103664	0.0498967
Znev_10781	1196.99	316.023	-1.92131	3.28123	0.00103355	0.0498967

Table S3. The significantly differentially expressed 190 genes identified by Cufflinks between Day 0 and Day 3 in the thorax and abdomen of the No. 1 larva (sorted by q value).

Gene Id	Expression values of thrax and abdomen in the No. 1 larva at Day 0	Expression values of thrax and abdomen in the No. 1 larva at Day 3	log2 (fold_change)	test_stat	p_value	q_value
Znev_05665	0.545465	602.247	10.1087	-9.30432	0	0
Znev_11096	1.01426	150.684	7.21495	-8.74454	0	0
Znev_06453	0.623205	82.7348	7.05264	-8.50693	0	0
Znev_13253	22514.1	73.9397	-8.25026	8.94073	0	0
Znev_06454	0.790855	164.265	7.69839	-8.26189	2.22045E-16	5.37614E-13
Znev_03257	3.61273	247.743	6.09961	-8.04287	8.88178E-16	1.79205E-12
Znev_02087	2.59818	176.328	6.08461	-7.98729	1.33227E-15	2.30406E-12
Znev_05882	1.57494	108.352	6.10429	-7.8302	4.88498E-15	7.3922E-12
Znev_06757	773.046	17.4265	-5.4712	7.51915	5.50671E-14	7.40713E-11
Znev_10404	227.191	1.04115	-7.76958	7.34278	2.09166E-13	2.53216E-10
Znev_10010	0.706882	39.0928	5.78929	-7.30879	2.69562E-13	2.89192E-10
Znev_13331	410.386	11.5626	-5.14944	7.30057	2.8666E-13	2.89192E-10
Znev_04905	0.401746	39.3153	6.61266	-6.96141	3.36886E-12	3.13719E-09
Znev_08997	878.692	20.6465	-5.41139	6.89496	5.38813E-12	4.6592E-09
Znev_12938	1.68752	54.5396	5.01432	-6.87558	6.17395E-12	4.98279E-09
Znev_01070	173.754	3.30093	-5.71803	6.4436	1.1667E-10	8.82758E-08
Znev_06455	15.0088	673.064	5.48686	-6.37747	1.80043E-10	1.28212E-07
Znev_05753	24.5409	421.115	4.10096	-6.27469	3.50334E-10	2.23218E-07
Znev_07984	8.12192	169.009	4.37913	-6.27899	3.40782E-10	2.23218E-07
Znev_09120	1.4022	136.117	6.601	-6.19364	5.87889E-10	3.55849E-07
Znev_06949	84.3122	2.9651	-4.82959	6.16692	6.96327E-10	3.91173E-07
Znev_17622	24.0131	1808.38	6.23473	-6.16365	7.10872E-10	3.91173E-07
Znev_09118	0.731072	66.4219	6.5055	-6.10128	1.05224E-09	5.53846E-07
Znev_07330	1.97918	117.733	5.89448	-6.05919	1.36805E-09	6.90068E-07
Znev_05418	195.542	8.31711	-4.55525	6.03712	1.56892E-09	7.59733E-07
Znev_15873	128.913	8901.31	6.10955	-6.01867	1.75859E-09	7.885E-07
Znev_18690	8.79467	0.120071	-6.19467	6.02365	1.70528E-09	7.885E-07
Znev_08043	1.22782	33.4429	4.76753	-5.96731	2.41191E-09	1.00685E-06
Znev_10865	0.947527	18.4906	4.28648	-5.97275	2.33283E-09	1.00685E-06
Znev_06896	374.62	27.1845	-3.78457	5.92462	3.13029E-09	1.26318E-06
Znev_02430	0.451153	195.975	8.76284	-5.84774	4.98307E-09	1.94597E-06
Znev_05345	13.5781	180.823	3.73523	-5.79701	6.75071E-09	2.55388E-06
Znev_09004	806.443	57.7489	-3.80371	5.55109	2.83898E-08	1.04148E-05
Znev_13642	43.2524	2.65086	-4.02825	5.52263	3.33954E-08	1.18907E-05
Znev_12622	2.23191	31.5872	3.82299	-5.50909	3.60689E-08	1.21834E-05
Znev_14300	80.721	7.41709	-3.44402	5.50831	3.62301E-08	1.21834E-05
Znev_09450	2078.19	157.093	-3.72564	5.46954	4.51209E-08	1.47631E-05
Znev_14153	13.6613	139.678	3.35394	-5.45554	4.88233E-08	1.55541E-05
Znev_17164	0.951054	14.9492	3.9744	-5.43734	5.40823E-08	1.67877E-05
Znev_14707	2.14191	30.4499	3.82947	-5.40686	6.41386E-08	1.94115E-05
Znev_09002	1905.89	145.269	-3.71366	5.3616	8.24859E-08	2.43555E-05
Znev_09038	144.561	13.3033	-3.44182	5.25928	1.44618E-07	4.16844E-05
Znev_08645	41.1165	9794.32	7.89608	-5.22001	1.78911E-07	5.03698E-05
Znev_02276	15.3172	0.402254	-5.2509	5.16417	2.41514E-07	6.64493E-05
Znev_00932	43.3666	611.345	3.81733	-5.15991	2.47071E-07	6.64676E-05
Znev_04263	0.620745	14.4877	4.54469	-5.13704	2.791E-07	7.34519E-05
Znev_02692	0.116169	3.70054	4.99344	-5.13053	2.8893E-07	7.44209E-05
Znev_14659	2.72969	31.7153	3.53837	-5.11247	3.17975E-07	8.01959E-05
Znev_13112	0.724926	18.9965	4.71175	-5.02546	5.02225E-07	0.00012408
Znev_03213	0.806362	12.246	3.92474	-5.01418	5.32592E-07	0.000126923
Znev_14564	430.133	4696.22	3.44864	-5.01342	5.34698E-07	0.000126923
Znev_02808	1.78718	23.196	3.69812	-5.00515	5.58196E-07	0.000129952
Znev_05227	2.01135	25.0891	3.64082	-4.90546	9.32101E-07	0.000212906
Znev_17754	15.4493	118.034	2.93359	-4.90013	9.57736E-07	0.00021471
Znev_17938	8.99224	85.6109	3.25104	-4.8826	1.04698E-06	0.000230449
Znev_10872	1.00215	31.8889	4.99189	-4.86947	1.11899E-06	0.000241901
Znev_02644	1.26065	16.9883	3.7523	-4.8261	1.39232E-06	0.00029061
Znev_12175	134.011	17.4819	-2.93842	4.82628	1.39109E-06	0.00029061
Znev_01403	9.92353	76.9892	2.95573	-4.80205	1.57046E-06	0.000322237
Znev_02785	0.884628	11.6684	3.72139	-4.7872	1.69127E-06	0.000336422
Znev_16996	19.0384	1.79606	-3.40601	4.78673	1.69517E-06	0.000336422
Znev_07863	51.4475	6.92636	-2.89293	4.77402	1.80587E-06	0.000352611
Znev_09119	15.2576	114.932	2.91318	-4.72913	2.25485E-06	0.000433289
Znev_09276	10.6707	1.51191	-2.81921	4.71329	2.43749E-06	0.000461067
Znev_09362	23.7882	3.36392	-2.82203	4.68145	2.84852E-06	0.000530526
Znev_00356	17.6203	130.679	2.89072	-4.65805	3.19226E-06	0.000585537
Znev_01455	3.75758	32.8212	3.12675	-4.57761	4.70326E-06	0.000849817

Table S3. *Continued.*

Znev_01787	2.49689	21.5764	3.11125	-4.55766	5.17266E-06	0.000920886
Znev_05728	1.08177	8.56251	2.98465	-4.54958	5.37529E-06	0.00094309
Znev_03020	7.58165	59.7826	2.97914	-4.5132	6.3857E-06	0.00109859
Znev_06221	32.4635	5.0936	-2.67206	4.5113	6.44306E-06	0.00109859
Znev_02429	150.877	24.3387	-2.63205	4.48695	7.22491E-06	0.00121031
Znev_10782	46.8759	3.50753	-3.74032	4.4848	7.29827E-06	0.00121031
Znev_18396	43.5548	3.91782	-3.47471	4.47742	7.55516E-06	0.00123598
Znev_14317	316.638	39.5995	-2.99928	4.47439	7.66314E-06	0.00123693
Znev_02020	14.3105	99.8885	2.80325	-4.46591	7.97304E-06	0.00127002
Znev_16936	31.6535	4.66047	-2.76382	4.46094	8.16014E-06	0.00128294
Znev_11926	10.4449	0.250263	-5.38321	4.45739	8.29642E-06	0.00128765
Znev_00446	19.6576	135.686	2.78712	-4.3847	1.16145E-05	0.00177982
Znev_03908	124.692	21.1592	-2.55902	4.36344	1.28034E-05	0.00193747
Znev_04634	1.83281	13.8033	2.91289	-4.32947	1.49465E-05	0.00223386
Znev_12960	11.7559	66.8546	2.50765	-4.30065	0.00001703	0.00251421
Znev_10691	0.450084	6.59668	3.87348	-4.28622	1.81741E-05	0.00262104
Znev_18972	0.383285	8.50845	4.47241	-4.28606	1.81866E-05	0.00262104
Znev_11927	18.6541	1.28652	-3.85795	4.24051	2.23009E-05	0.00317617
Znev_00003	194.642	28.513	-2.77113	4.23318	2.30411E-05	0.00324344
Znev_08407	16.9443	0.484777	-5.12733	4.2246	2.39368E-05	0.00333079
Znev_00847	26.0257	146.345	2.49136	-4.19822	2.69023E-05	0.00370091
Znev_09000	1007.45	176.373	-2.514	4.18927	0.000027985	0.00380659
Znev_11690	4.22765	26.8503	2.66701	-4.17521	2.97712E-05	0.00400456
Znev_11366	20.5616	2.35462	-3.12639	4.1478	0.000033569	0.00446579
Znev_11922	7.96768	0.240595	-5.04948	4.14027	3.46893E-05	0.00456466
Znev_10740	53.4929	3.70886	-3.8503	4.12825	3.65537E-05	0.00475827
Znev_00089	469.729	51.5806	-3.18693	4.12216	3.75339E-05	0.00483389
Znev_08045	16.731	88.5377	2.40377	-4.11362	0.000038951	0.00496359
Znev_02235	1.94625	10.4878	2.42995	-4.11059	3.94651E-05	0.00497671
Znev_10787	320.992	60.6521	-2.40391	4.08651	4.37911E-05	0.0054653
Znev_16361	9821.12	1237.28	-2.98871	4.08366	4.43326E-05	0.00547643
Znev_01433	48.8269	7.43658	-2.71496	4.07887	4.52556E-05	0.00553399
Znev_04085	47.679	8.30198	-2.52183	4.06334	4.83749E-05	0.00581096
Znev_10214	48.8195	410.033	3.07021	-4.06053	4.89607E-05	0.00581096
Znev_19016	3.52904	26.3047	2.89797	-4.0612	4.88213E-05	0.00581096
Znev_09541	13.0697	2.02083	-2.69321	4.05678	4.97542E-05	0.00584781
Znev_05473	4.29603	33.4958	2.96291	-4.04515	5.22886E-05	0.00608659
Znev_01875	13.9758	1.40986	-3.3093	4.04249	5.28869E-05	0.00609761
Znev_06898	2.20351	28.2589	3.68083	-4.03292	5.50875E-05	0.00629141
Znev_16434	517.541	103.602	-2.32062	4.02961	5.58695E-05	0.00632109
Znev_02004	5.51284	0.405502	-3.76501	4.01811	5.86657E-05	0.00651566
Znev_10783	23.6992	1.05606	-4.48807	4.01884	5.84852E-05	0.00651566
Znev_03821	10.4589	81.7244	2.96603	-4.00766	6.13243E-05	0.00674902
Znev_02792	18.2445	91.7346	2.33001	-3.99175	6.55871E-05	0.00715313
Znev_03425	116.795	24.356	-2.26163	3.93711	8.24685E-05	0.00891397
Znev_04232	5.46641	0.422199	-3.6946	3.93096	8.46089E-05	0.00906438
Znev_00412	52.1221	8.80577	-2.56537	3.92695	8.60288E-05	0.00913566
Znev_02892	0.318931	21.0776	6.04632	-3.92308	0.000087424	0.00915973
Znev_03961	14.6041	1.82618	-2.99947	3.92059	0.000088334	0.00915973
Znev_17853	16.9676	1.95385	-3.11839	3.92006	8.85254E-05	0.00915973
Znev_01236	32.4423	153.258	2.24001	-3.90621	9.37538E-05	0.0096185
Znev_13647	8.52419	40.5089	2.2486	-3.8825	0.00010339	0.0105179
Znev_07906	27.3513	3.9407	-2.79508	3.86016	0.000113311	0.0114312
Znev_06620	13.618	2.10117	-2.69624	3.84244	0.000121815	0.0121876
Znev_02761	31.2899	204.196	2.70618	-3.84032	0.000122874	0.0121927
Znev_15903	268.971	1232.63	2.19622	-3.83562	0.000125246	0.0123271
Znev_09549	0.714723	42.5584	5.89591	-3.82549	0.000130513	0.0127418
Znev_03214	1.83135	16.2198	3.14678	-3.8162	0.000135523	0.0131251
Znev_00957	6.25899	32.6581	2.38344	-3.81164	0.000138048	0.0132636
Znev_02438	0.0654801	3.83913	5.87358	-3.80571	0.000141399	0.0133732
Znev_18409	8.91644	0.156403	-5.83313	3.80683	0.000140762	0.0133732
Znev_00025	6.10771	49.9018	3.03039	-3.78277	0.000155091	0.0145545
Znev_14963	25.7768	3.79397	-2.76429	3.7692	0.000163771	0.0152509
Znev_11360	12.7454	2.30257	-2.46866	3.76649	0.000165561	0.0152999
Znev_02410	181.183	40.0671	-2.17695	3.75823	0.000171117	0.0156935
Znev_10605	15.3296	2.25177	-2.76719	3.74545	0.000180068	0.0162889
Znev_14501	10.8411	47.9071	2.14373	-3.74513	0.0001803	0.0162889
Znev_05776	6.71325	33.5373	2.32069	-3.73731	0.000185998	0.0166792
Znev_07751	44.1449	230.888	2.38688	-3.72063	0.000198729	0.0176898
Znev_15680	0.555075	6.92971	3.64204	-3.71858	0.000200349	0.0177038

Table S3. *Continued.*

Znev_03182	5.93355	0.685058	-3.1146	3.70776	0.000209103	0.0182115
Znev_10107	1.88946	11.8652	2.65069	-3.7095	0.000207669	0.0182115
Znev_15978	135.075	768.167	2.50766	-3.70011	0.000215503	0.0186349
Znev_04108	5.11156	0.216282	-4.56278	3.69594	0.000219071	0.0188091
Znev_01076	11.5381	0.951341	-3.6003	3.6899	0.000224342	0.0191259
Znev_10720	17.0935	102.04	2.57761	-3.66753	0.000244906	0.0207331
Znev_08044	5.11043	0.293137	-4.1238	3.66571	0.000246656	0.0207363
Znev_13977	1.38275	10.2848	2.89491	-3.66035	0.000251871	0.0210286
Znev_07829	6.51345	0.859139	-2.92246	3.64056	0.000272043	0.0225572
Znev_13425	112.789	23.6216	-2.25545	3.62912	0.000284389	0.0234205
Znev_16589	15.1388	103.095	2.76765	-3.61814	0.000296723	0.0242712
Znev_04203	6.44988	27.4777	2.09091	-3.60719	0.00030953	0.0249812
Znev_14396	79.5694	356.48	2.16354	-3.60742	0.000309259	0.0249812
Znev_12422	150.791	36.3438	-2.05277	3.60366	0.000313764	0.0251551
Znev_06422	205	44.4362	-2.20581	3.59432	0.000325234	0.0259032
Znev_06975	11.6063	48.6393	2.06721	-3.58621	0.000335517	0.0265475
Znev_07712	62.5001	257.353	2.04182	-3.57648	0.000348258	0.0273767
Znev_06158	17.2312	3.20586	-2.42623	3.56794	0.000359792	0.0281009
Znev_04417	3.02279	16.4719	2.44606	-3.56532	0.000363406	0.0281607
Znev_10709	43.6358	192.885	2.14416	-3.56403	0.00036521	0.0281607
Znev_03518	1.22958	5.85318	2.25106	-3.54241	0.000396486	0.0303788
Znev_02473	5.02089	22.5433	2.16668	-3.53291	0.00041102	0.0310988
Znev_14255	5.23209	24.7343	2.24106	-3.53333	0.000410354	0.0310988
Znev_10436	0.690464	32.1893	5.54287	-3.53064	0.000414549	0.031171
Znev_05719	4.92818	31.7875	2.68933	-3.52219	0.000428003	0.0317878
Znev_11818	169.657	22.7136	-2.90099	3.52373	0.000425514	0.0317878
Znev_12659	1.69	10.4753	2.63191	-3.51869	0.000433684	0.0318192
Znev_18930	5.53087	0.699557	-2.98299	3.51892	0.000433312	0.0318192
Znev_17433	0.61137	4.79023	2.96998	-3.51525	0.000439333	0.0320396
Znev_09494	5.64299	1.2911	-2.12786	3.51148	0.000445616	0.0323032
Znev_11603	1.46597	9.36121	2.67484	-3.50323	0.000459657	0.0331226
Znev_13958	0.235896	3.72125	3.97957	-3.49601	0.000472277	0.0338307
Znev_17997	30.0269	169.779	2.49933	-3.49082	0.000481542	0.0342915
Znev_10516	42.1942	7.60618	-2.4718	3.48582	0.000490624	0.0347339
Znev_00552	1.19064	13.6924	3.52356	-3.45662	0.000546995	0.0384995
Znev_18491	46.9124	2496.5	5.7338	-3.4542	0.000551926	0.038622
Znev_05946	4.67346	0.366837	-3.67128	3.44518	0.000570689	0.0397055
Znev_03586	2.42206	11.0891	2.19483	-3.42333	0.000618591	0.0427923
Znev_02957	39.5367	8.16901	-2.27496	3.42041	0.00062527	0.0430087
Znev_00666	10.2082	41.2657	2.01522	-3.41365	0.000640991	0.0434065
Znev_00841	6.95407	28.0962	2.01445	-3.40891	0.00065224	0.0434065
Znev_03171	46.1888	12.1091	-1.93145	3.40965	0.000650468	0.0434065
Znev_07264	83.251	21.9465	-1.92348	3.4153	0.000637115	0.0434065
Znev_10858	1.5352	12.1627	2.98596	-3.41253	0.000643617	0.0434065
Znev_14289	15.4058	71.4865	2.2142	-3.40877	0.000652568	0.0434065
Znev_08644	422.983	4338.07	3.35838	-3.40431	0.00066332	0.0436768
Znev_18394	3.31485	16.3308	2.30058	-3.40409	0.000663846	0.0436768
Znev_07043	9.15046	37.7752	2.04552	-3.39886	0.000676674	0.04418
Znev_09136	2.24138	13.1895	2.55693	-3.398	0.000678795	0.04418
Znev_00010	429.336	114.538	-1.90629	3.39024	0.000698303	0.0449975
Znev_03410	28.4674	5.47834	-2.3775	3.39005	0.000698788	0.0449975
Znev_16679	12.9696	52.2665	2.01076	-3.38848	0.000702804	0.0450167
Znev_05361	14.9552	56.8844	1.92738	-3.37616	0.000735043	0.0468339

Table S4. The significantly differentially expressed 110 genes identified by Cufflinks between the No. 1 and No. 2 larva in the head at Day 3 (sorted by q value).

Gene Id	Expression values of head in the No. 1 larva at Day 3	Expression values of head in the No. 2 larva at Day 3	log2 (fold_change)	test_stat	p_value	q_value
Znev_05665	468.395	0.329796	-10.4719	9.46245	0	0
Znev_05882	60.2843	0.568578	-6.72828	8.87377	0	0
Znev_07330	29.9326	0.355402	-6.39612	8.60172	0	0
Znev_12938	113.851	1.5432	-6.20507	8.47037	0	0
Znev_01403	82.1688	1.22535	-6.06733	8.35054	0	0
Znev_11096	64.7572	0.0512622	-10.3029	7.22102	5.16E-13	1.01E-09
Znev_10010	19.6501	0.34137	-5.84706	6.94384	3.82E-12	6.41E-09
Znev_06454	140.786	0.158269	-9.79691	6.90926	4.87E-12	7.16E-09
Znev_13044	355.703	15.8796	-4.48543	6.80942	9.80E-12	1.28E-08
Znev_04262	78.8787	3.74788	-4.39549	6.74353	1.55E-11	1.82E-08
Znev_04905	68.3893	0.103438	-9.36887	6.62372	3.50E-11	3.43E-08
Znev_11288	10.0767	0.469716	-4.42309	6.63158	3.32E-11	3.43E-08
Znev_02087	134.278	6.84041	-4.29499	6.59121	4.36E-11	3.66E-08
Znev_02855	585.861	30.1746	-4.27915	6.5918	4.35E-11	3.66E-08
Znev_12960	72.282	3.83284	-4.23715	6.55177	5.69E-11	4.46E-08
Znev_06455	575.292	16.3009	-5.14127	6.41924	1.37E-10	1.01E-07
Znev_09118	62.3158	0.931434	-6.064	6.39882	1.57E-10	1.08E-07
Znev_12711	2.8042	47.1353	4.07115	-6.30454	2.89E-10	1.89E-07
Znev_09120	127.713	4.03147	-4.98546	6.26765	3.67E-10	2.27E-07
Znev_01787	50.783	3.44992	-3.87971	5.98629	2.15E-09	1.20E-06
Znev_08644	3617.26	94.4429	-5.25931	5.98645	2.14E-09	1.20E-06
Znev_06341	36.2064	0.465478	-6.28139	5.97623	2.28E-09	1.22E-06
Znev_00446	320.943	14.8027	-4.43838	5.91348	3.35E-09	1.71E-06
Znev_03213	10.3196	0.392925	-4.71499	5.72132	1.06E-08	5.18E-06
Znev_02430	140.153	0.563028	-7.95958	5.63042	1.80E-08	8.46E-06
Znev_14153	109.88	10.0494	-3.45075	5.59054	2.26E-08	1.02E-05
Znev_13647	159.663	10.2666	-3.95899	5.42724	5.72E-08	2.49E-05
Znev_07456	2.70698	30.8433	3.5102	-5.34469	9.06E-08	3.80E-05
Znev_03518	5.84871	0.543045	-3.42897	5.19488	2.05E-07	8.31E-05
Znev_10107	12.331	0.917729	-3.74807	5.14501	2.68E-07	0.000104847
Znev_13112	23.1095	0.154602	-7.22378	5.08979	3.58E-07	0.000131442
Znev_17164	8.4111	0.641278	-3.71327	5.09091	3.56E-07	0.000131442
Znev_17766	12.5994	1.09605	-3.52297	5.08434	3.69E-07	0.000131442
Znev_14707	17.3135	1.46245	-3.56543	5.03746	4.72E-07	0.000163143
Znev_10079	19.2339	160.73	3.06291	-4.84396	1.27E-06	0.000427573
Znev_11603	9.05755	0.663284	-3.77142	4.83766	1.31E-06	0.00042909
Znev_05227	18.9401	1.81196	-3.38582	4.79104	1.66E-06	0.000513382
Znev_13642	15.2697	112.296	2.87857	-4.7915	1.66E-06	0.000513382
Znev_18394	16.4566	1.7828	-3.20645	4.69098	2.72E-06	0.000819739
Znev_06615	14.1042	95.9794	2.7666	-4.63536	3.56E-06	0.0010474
Znev_07316	2.62743	0.262456	-3.32351	4.60281	4.17E-06	0.00119541
Znev_07248	13.9131	1.73299	-3.0051	4.58672	4.50E-06	0.00126055
Znev_04925	10.77	1.23774	-3.12124	4.54637	5.46E-06	0.00149241
Znev_07665	3.26802	28.7075	3.13494	-4.47654	5.46E-06	0.00202725
Znev_03586	7.24454	0.850168	-3.09107	4.45093	8.55E-06	0.00223404
Znev_02692	2.51714	0.200792	-3.64801	4.42733	9.54E-06	0.00243871
Znev_03600	8.0962	0.298609	-4.76091	4.40045	1.08E-05	0.00270255
Znev_02235	6.27323	0.944282	-2.73192	4.39486	1.11E-05	0.00271518
Znev_05078	15.976	98.6385	2.62624	-4.3901	1.13E-05	0.00271873
Znev_06221	2.69992	16.9638	2.65147	-4.33505	1.46E-05	0.00342695
Znev_12433	5.17463	0.683021	-2.92145	4.23489	2.29E-05	0.00527179
Znev_10080	5.48054	36.548	2.7374	-4.22243	2.42E-05	0.00546475
Znev_06526	19.3669	118.241	2.61006	-4.17584	2.97E-05	0.0065865
Znev_02004	3.42909	20.7518	2.59734	-4.10275	4.08E-05	0.00888971
Znev_03574	7.12798	37.3065	2.38786	-4.08748	4.36E-05	0.00932271
Znev_01338	9.83463	1.87653	-2.3898	4.05789	4.95E-05	0.010397
Znev_04634	5.18222	0.636886	-3.02446	4.01651	5.91E-05	0.0121843
Znev_12948	132.784	679.981	2.35641	-4.00384	6.23E-05	0.012634
Znev_09549	69.9303	7.46432	-3.22784	3.97741	6.97E-05	0.0138847
Znev_08590	22.685	3.85492	-2.55697	3.96847	7.23E-05	0.014086
Znev_14535	3.4522	0.470292	-2.87588	3.96604	7.31E-05	0.014086

Table S4. *Continued.*

Znev_12077	2.10692	0.216867	-3.28025	3.95534	7.64E-05	0.0144941
Znev_11816	108.317	658.518	2.60397	-3.94496	7.98E-05	0.0146631
Znev_11926	3.58735	23.6421	2.72036	-3.94626	7.94E-05	0.0146631
Znev_06902	11.5658	66.1765	2.51645	-3.93701	8.25E-05	0.0149242
Znev_09056	9.14346	0.971272	-3.23479	3.89289	9.91E-05	0.0174148
Znev_17443	2.6142	13.8184	2.40215	-3.89246	9.92E-05	0.0174148
Znev_01316	22.3457	124.307	2.47585	-3.87264	0.000107664	0.0186165
Znev_14501	37.136	7.71422	-2.26722	3.85322	0.000116576	0.0198652
Znev_00252	8.20467	0.88387	-3.21454	3.84213	0.000121971	0.0204876
Znev_17754	32.3185	6.01185	-2.42648	3.83384	0.000126156	0.0208921
Znev_11226	11.7855	1.8252	-2.69089	3.81772	0.000134689	0.0219954
Znev_09215	4.57204	24.2346	2.40616	-3.80869	0.000139705	0.0225022
Znev_01204	11.9485	55.0129	2.20294	-3.79494	0.000147679	0.0234198
Znev_03425	14.1812	69.1271	2.28528	-3.79209	0.000149386	0.0234198
Znev_06620	3.38121	17.7036	2.38843	-3.75712	0.000171877	0.0263326
Znev_07408	0.35279	8.02653	4.50789	-3.7563	0.000172445	0.0263326
Znev_02792	98.1456	20.7437	-2.24225	3.74761	0.000178526	0.0269117
Znev_05025	4.49964	23.5879	2.39016	-3.74085	0.0001834	0.0272965
Znev_01124	48.8106	227.172	2.21852	-3.73386	0.000188565	0.0277143
Znev_02308	6.31235	0.566209	-3.47877	3.7215	0.000198044	0.0287482
Znev_02496	218.049	43.2695	-2.33323	3.71555	0.000202764	0.0290388
Znev_10590	3.59214	0.324418	-3.46891	3.70845	0.000208533	0.0290388
Znev_10691	2.95485	0.229059	-3.68929	3.71117	0.000206304	0.0290388
Znev_13293	14.2864	1.80518	-2.98443	3.70676	0.000209925	0.0290388
Znev_13563	3.18212	17.7746	2.48175	-3.69659	0.000218516	0.0298757
Znev_05158	8.31395	1.00592	-3.04702	3.69104	0.000223341	0.0301844
Znev_06669	32.1912	142	2.14116	-3.67843	0.000234676	0.0313559
Znev_13192	33.8053	7.79828	-2.11602	3.66918	0.000243329	0.0321468
Znev_01552	4.09496	20.7891	2.34391	-3.65953	0.000252676	0.0330107
Znev_03497	5.53647	1.22807	-2.17257	3.65092	0.000261302	0.0333671
Znev_05318	5.28592	24.9543	2.23906	-3.65031	0.000261921	0.0333671
Znev_14659	33.3344	7.18491	-2.21397	3.64836	0.000263917	0.0333671
Znev_08660	15.602	66.4878	2.09135	-3.63957	0.000273093	0.0341599
Znev_08643	12.8794	57.7362	2.16441	-3.62049	0.000294049	0.036394
Znev_00833	46.4218	8.04017	-2.5295	3.61329	0.00030234	0.0370303
Znev_00254	14.0277	2.40519	-2.54405	3.60297	0.000314596	0.0381342
Znev_02463	3.32447	0.216517	-3.94057	3.57826	0.00034589	0.0391056
Znev_06453	57.8803	0	-1.79769e+308	-1.79769e+308	0.000329622	0.0391056
Znev_07366	10.5338	1.5241	-2.789	3.5834	0.000339145	0.0391056
Znev_10088	2.0985	9.74339	2.21506	-3.58622	0.000335503	0.0391056
Znev_14596	0.40189	4.24899	3.40225	-3.57969	0.000344007	0.0391056
Znev_15415	0.865028	6.91662	2.99925	-3.58152	0.000341602	0.0391056
Znev_18173	29.698	124.819	2.0714	-3.58389	0.00033851	0.0391056
Znev_05027	27.0366	115.353	2.09307	-3.57318	0.000352674	0.0394928
Znev_16936	20.0868	87.821	2.12832	-3.56141	0.000368872	0.0409169
Znev_01125	6.84965	41.688	2.60553	-3.55198	0.000382348	0.0416264
Znev_13030	9.35318	1.41447	-2.7252	3.55324	0.000380513	0.0416264
Znev_10404	22.7713	107.063	2.23317	-3.5361	0.000406073	0.0438038
Znev_03144	10.4884	1.78418	-2.55547	3.50764	0.000452097	0.0483251

Table S5. The significantly differentially expressed 129 genes identified by Cufflinks between the No. 1 and No. 2 larva in the thorax and abdomen at Day 3 (sorted by q value).

Gene Id	Expression values of thrax and abdomen in the No. 1 larva at Day 3	Expression values of thrax and abdomen in the No. 2 larva at Day 3	log2 (fold_change)	test_stat	p_value	q_value
Znev_05665	562.059	0.582699	-9.91375	10.683	0	0
Znev_06453	77.2103	0.0995497	-9.59916	9.20402	0	0
Znev_11096	140.624	0.297167	-8.88635	10.6684	0	0
Znev_10010	36.4822	0.169954	-7.7459	8.48885	0	0
Znev_05882	101.116	0.577448	-7.45211	10.4044	0	0
Znev_07330	109.863	1.44775	-6.24574	8.97783	0	0
Znev_06455	628.108	8.45882	-6.21441	9.0862	0	0
Znev_02087	164.561	3.03831	-5.75921	8.94833	0	0
Znev_01403	71.8538	1.67771	-5.4205	8.77775	0	0
Znev_12938	50.8973	1.13063	-5.49238	8.19399	2.22E-16	2.71E-13
Znev_14707	28.4163	0.675775	-5.39403	7.33217	2.26E-13	2.51E-10
Znev_04905	36.6907	0.108951	-8.39559	7.29487	2.99E-13	3.04E-10
Znev_14501	44.7078	2.49877	-4.16124	7.01052	2.37E-12	2.23E-09
Znev_05728	7.99094	0.288079	-4.79383	6.9687	3.20E-12	2.79E-09
Znev_09118	61.9849	0.95648	-6.01804	6.85529	7.12E-12	5.71E-09
Znev_17164	13.9515	0.488816	-4.83498	6.84784	7.50E-12	5.71E-09
Znev_09120	127.027	3.60215	-5.14013	6.75046	1.47E-11	1.06E-08
Znev_13226	16.3975	0.595036	-4.78435	6.7049	2.02E-11	1.37E-08
Znev_10865	17.2568	0.92218	-4.22597	6.68261	2.35E-11	1.51E-08
Znev_14300	6.922	82.6778	3.57824	-6.51282	7.38E-11	4.50E-08
Znev_01787	20.1346	0.197527	-6.67148	6.42908	1.28E-10	7.45E-08
Znev_03213	11.4286	0.0703491	-7.3439	6.34566	2.21E-10	1.23E-07
Znev_09119	107.255	9.057	-3.56587	6.2771	3.45E-10	1.83E-07
Znev_14153	130.353	13.2808	-3.29501	6.19876	5.69E-10	2.89E-07
Znev_17754	110.161	11.2823	-3.28748	6.10837	1.01E-09	4.91E-07
Znev_04263	13.5209	0.320314	-5.39956	6.08013	1.20E-09	5.63E-07
Znev_00446	126.628	8.86037	-3.83709	5.94803	2.71E-09	1.20E-06
Znev_04634	12.8806	0.948889	-3.76282	5.93199	2.99E-09	1.20E-06
Znev_04925	514.018	29.8447	-4.10627	5.93899	2.87E-09	1.20E-06
Znev_05227	23.4153	1.37218	-4.09291	5.92839	3.06E-09	1.20E-06
Znev_07337	58.2504	4.83493	-3.5907	5.93873	2.87E-09	1.20E-06
Znev_02692	3.45341	0.0800354	-5.43124	5.84568	5.05E-09	1.92E-06
Znev_02430	182.892	0.299041	-9.25643	5.80972	6.26E-09	2.31E-06
Znev_10107	11.0733	0.58713	-4.23726	5.72102	1.06E-08	3.80E-06
Znev_02297	28.2048	0.714545	-5.30277	5.69561	1.23E-08	4.26E-06
Znev_09000	164.59	14.0662	-3.54858	5.69152	1.26E-08	4.26E-06
Znev_14659	29.5972	2.76021	-3.42261	5.68314	1.32E-08	4.36E-06
Znev_10872	29.7585	0.485152	-5.93872	5.65119	1.59E-08	5.11E-06
Znev_06157	10.4494	85.2828	3.02883	-5.61743	1.94E-08	6.06E-06
Znev_02808	21.6476	1.80854	-3.58131	5.54772	2.89E-08	8.82E-06
Znev_12960	62.3921	8.24836	-2.91918	5.52388	3.32E-08	9.86E-06
Znev_10691	6.15613	0.189468	-5.022	5.35589	8.51E-08	2.47E-05
Znev_02966	6.53009	52.7432	3.01381	-5.31308	1.08E-07	3.06E-05
Znev_06898	26.3723	0.716637	-5.20164	5.24646	1.55E-07	4.30E-05
Znev_17433	4.47038	0.0963625	-5.53578	5.23061	1.69E-07	4.58E-05
Znev_00545	206.645	29.5022	-2.80826	5.18032	2.22E-07	5.87E-05
Znev_12622	29.4798	4.09264	-2.84862	5.0556	4.29E-07	0.000111284
Znev_02235	9.78763	1.52237	-2.68464	5.04584	4.52E-07	0.000112591
Znev_12659	9.77529	0.771649	-3.66312	5.04541	4.53E-07	0.000112591
Znev_03586	10.3481	1.36654	-2.92076	4.88905	1.01E-06	0.000247044
Znev_11084	9.86059	1.35031	-2.86838	4.87621	1.08E-06	0.000258503
Znev_02496	110.477	20.1416	-2.4555	4.85736	1.19E-06	0.000278896
Znev_13112	17.728	0.081245	-7.76953	4.84589	1.26E-06	0.00028993
Znev_08043	31.2105	173.396	2.47397	-4.80482	1.55E-06	0.000349687
Znev_03020	55.7913	8.76007	-2.67103	4.72805	2.27E-06	0.000502449
Znev_17938	79.8936	13.2292	-2.59435	4.68379	2.82E-06	0.000613077
Znev_02644	15.8536	2.06855	-2.93812	4.64213	3.45E-06	0.000737521
Znev_01730	21.6622	3.28534	-2.72107	4.58722	4.49E-06	0.000944129
Znev_18796	5118.23	554.401	-3.20664	4.50885	6.52E-06	0.00134681
Znev_03214	15.1362	1.55269	-3.28516	4.45865	8.25E-06	0.00167577
Znev_00833	45.1824	5.69392	-2.98827	4.42479	9.65E-06	0.00192932
Znev_02417	257.12	47.9791	-2.42196	4.40178	1.07E-05	0.00211111
Znev_14255	23.0839	4.05605	-2.50874	4.39273	1.12E-05	0.00216602
Znev_00181	17.892	3.87825	-2.20584	4.37777	1.20E-05	0.00228395
Znev_08644	4048.61	445.263	-3.1847	4.36685	1.26E-05	0.00236416
Znev_05473	31.2605	4.50363	-2.79518	4.36233	1.29E-05	0.00237701
Znev_09549	39.7156	2.31991	-4.09757	4.24849	2.15E-05	0.00391605

Table S5. *Continued.*

Znev_09001	174.873	19.9708	-3.13034	4.21018	2.55E-05	0.0045746
Znev_06454	153.295	0	-1.79769e+308	-1.79769e+308	2.79E-05	0.00493425
Znev_13564	14.261	62.2391	2.12574	-4.17253	3.01E-05	0.00524617
Znev_02429	22.7133	96.7618	2.0909	-4.14578	3.39E-05	0.00581491
Znev_06230	4.63952	0.610762	-2.92529	4.11252	3.91E-05	0.00662661
Znev_08706	2.50188	0.232154	-3.42986	4.10388	4.06E-05	0.00672438
Znev_13983	8.45454	1.03621	-3.02841	4.1028	4.08E-05	0.00672438
Znev_07594	1352.36	6483.53	2.2613	-4.08445	4.42E-05	0.00718144
Znev_10080	4.35465	24.737	2.50604	-4.0739	4.62E-05	0.00741591
Znev_11816	26.5707	112.609	2.08342	-4.06687	4.76E-05	0.00754401
Znev_00847	136.578	33.1754	-2.04153	4.05058	5.11E-05	0.00791146
Znev_02785	10.8895	1.95198	-2.47993	4.04977	5.13E-05	0.00791146
Znev_02308	6.52258	0.519388	-3.65056	4.0464	5.20E-05	0.00792587
Znev_01132	189.168	26.1764	-2.85333	4.0029	6.26E-05	0.00930231
Znev_04409	446.018	100.334	-2.15229	4.00381	6.23E-05	0.00930231
Znev_13744	57.5466	12.6293	-2.18796	3.98227	6.83E-05	0.0100262
Znev_03930	8.16058	0.843749	-3.27379	3.97357	7.08E-05	0.0102759
Znev_08645	9140.93	0	-1.79769e+308	-1.79769e+308	7.51E-05	0.0107641
Znev_03518	5.4625	1.18565	-2.20388	3.9401	8.14E-05	0.0115458
Znev_05361	53.0863	290.11	2.45019	-3.92765	8.58E-05	0.0120199
Znev_18394	15.2409	3.0423	-2.32472	3.87947	0.000104686	0.0145025
Znev_01592	10.4688	1.4827	-2.8198	3.87226	0.000107832	0.0146599
Znev_03433	24.8009	6.59661	-1.91059	3.86867	0.000109429	0.0146599
Znev_18797	7074.47	83.5026	-6.40466	3.86937	0.000109117	0.0146599
Znev_02438	3.5829	0.0458554	-6.28789	3.86572	0.000110764	0.0146774
Znev_03281	27.2026	7.05663	-1.94669	3.85427	0.000116075	0.0152158
Znev_08413	98.6365	23.9169	-2.04409	3.85034	0.000117953	0.0152975
Znev_17151	32.7283	7.95426	-2.04074	3.81912	0.00013393	0.0171867
Znev_01133	20.9735	5.58994	-1.90766	3.78706	0.000152439	0.0193582
Znev_11603	8.73617	1.53099	-2.51254	3.77402	0.000160636	0.0201888
Znev_03635	180.024	49.6108	-1.85946	3.76175	0.00016873	0.0209896
Znev_11288	4.47293	1.02368	-2.12746	3.75319	0.0001746	0.0215005
Znev_04481	5.95794	1.5328	-1.95864	3.73647	0.000186618	0.0227506
Znev_13958	3.47289	0.277261	-3.64682	3.72072	0.000198655	0.0239783
Znev_17335	26.6032	5.81273	-2.19431	3.69378	0.000220945	0.0264073
Znev_06458	10.1505	0.916818	-3.46877	3.6895	0.000224695	0.0265641
Znev_13977	9.59813	1.74294	-2.46123	3.68733	0.000226615	0.0265641
Znev_14131	1485.84	168.262	-3.1425	3.65587	0.000256309	0.0297587
Znev_11611	6.21992	0.757731	-3.03714	3.64786	0.000264434	0.0302938
Znev_11906	12.7454	2.67141	-2.25431	3.64645	0.000265887	0.0302938
Znev_02414	246.79	1065.91	2.11073	-3.6413	0.000271267	0.0306205
Znev_09182	3.69036	0.233957	-3.97945	3.62111	0.000293346	0.032809
Znev_05719	29.6643	5.80462	-2.35345	3.61158	0.00030434	0.0334723
Znev_18246	28.3589	7.4601	-1.92653	3.61121	0.000304768	0.0334723
Znev_02892	19.6715	2.45267	-3.00368	3.60444	0.00031283	0.0335899
Znev_08711	18.1343	3.66276	-2.30772	3.60399	0.00031337	0.0335899
Znev_12833	43.9545	11.9915	-1.87399	3.60338	0.000314104	0.0335899
Znev_13535	112.286	32.7643	-1.77699	3.59396	0.000325688	0.0345257
Znev_11983	5.9506	0.866446	-2.77985	3.57799	0.000346244	0.0363885
Znev_11690	25.0578	6.86035	-1.86891	3.5664	0.000361916	0.0377104
Znev_14152	71.1085	1.26102	-5.81736	3.55363	0.00037996	0.039255
Znev_02608	23.7273	5.72264	-2.0518	3.54059	0.00039924	0.0405899
Znev_08531	79.371	23.9373	-1.72935	3.53981	0.000400416	0.0405899
Znev_15680	6.46724	0.914955	-2.82138	3.5382	0.000402869	0.0405899
Znev_04043	7.97491	2.11822	-1.91261	3.51824	0.000434422	0.0434102
Znev_10019	10.9183	1.46334	-2.89941	3.51526	0.000439315	0.0435422
Znev_13192	20.4678	6.0196	-1.76562	3.50182	0.0004621	0.0454312
Znev_04635	17.2914	0.335644	-5.68698	3.47078	0.000518957	0.0494266
Znev_08548	42.5008	10.7121	-1.98824	3.47311	0.000514459	0.0494266
Znev_09002	135.576	440.022	1.69848	-3.47116	0.00051821	0.0494266
Znev_10214	382.662	85.9673	-2.15421	3.47641	0.00050818	0.0494266
Znev_17430	6.61272	1.70585	-1.95475	3.4661	0.000528062	0.0499039

Table S6. The significantly differentially expressed 253 genes identified by Cufflinks between Day 0 and Day 3 in the head of the No. 2 larva (sorted by q value).

Gene Id	Expression values in head of the No. 2 larva at Day 0	Expression values of head in the No. 2 larva at Day 3	log2 (fold_change)	test_stat	p_value	q_value
Znev_13253	74812.1	596.105	-6.97156	9.9651	0	0
Znev_11927	92.2693	0.899783	-6.68013	8.32272	0	0
Znev_18409	299.301	3.65417	-6.35591	10.2602	0	0
Znev_10522	284.979	4.05063	-6.13656	10.1469	0	0
Znev_11922	83.1151	1.54513	-5.74931	8.7744	0	0
Znev_11929	429.312	8.03237	-5.74006	9.04088	0	0
Znev_04108	155.023	3.03625	-5.67405	9.7971	0	0
Znev_13331	400.787	8.08787	-5.63093	9.68783	0	0
Znev_10524	108.26	2.7091	-5.32054	8.88763	0	0
Znev_04262	80.5288	3.47766	-4.53332	8.66172	0	0
Znev_10079	6.17356	149.136	4.59439	-8.60121	0	0
Znev_02414	477.179	14473.1	4.9227	-8.78671	0	0
Znev_02416	1384.6	42792.1	4.94981	-8.46464	0	0
Znev_06615	0.531451	89.0602	7.3887	-9.47495	0	0
Znev_05078	0.473327	91.5264	7.59521	-10.0437	0	0
Znev_12711	0.153096	43.7372	8.15828	-10.1235	0	0
Znev_05808	302.143	17.1837	-4.13612	8.16052	4.44089E-16	3.0219E-13
Znev_10521	102.922	1.16459	-6.4656	8.07446	6.66134E-16	4.28102E-13
Znev_00092	36.0367	1.56698	-4.52341	7.92451	2.22045E-15	1.3519E-12
Znev_10785	39.7375	1033.97	4.70155	-7.91159	2.44249E-15	1.41274E-12
Znev_11816	31.9403	611.045	4.25783	-7.82274	5.10703E-15	2.81324E-12
Znev_08644	2.88778	87.636	4.92349	-7.69508	1.42109E-14	7.47233E-12
Znev_05498	11.3912	239.86	4.3962	-7.514	5.72875E-14	2.88131E-11
Znev_03865	55.621	3.9252	-3.82479	7.44191	9.92539E-14	4.78404E-11
Znev_08048	31.9859	1.18892	-4.74972	7.34592	2.04281E-13	9.45249E-11
Znev_07663	109.656	9.73102	-3.49426	7.18255	6.84119E-13	3.04381E-10
Znev_07337	84.6436	7.13043	-3.56934	7.16376	7.84928E-13	3.36298E-10
Znev_12948	60.226	630.947	3.38906	-7.05126	1.77303E-12	7.32513E-10
Znev_06949	84.8043	6.45242	-3.71623	7.01633	2.27773E-12	9.0858E-10
Znev_18796	2.68151	89.2433	5.05663	-6.91701	4.61275E-12	1.77868E-09
Znev_01316	7.27223	115.343	3.98739	-6.8798	5.99365E-12	2.2366E-09
Znev_05879	5.14885	54.3341	3.39954	-6.73043	1.6916E-11	6.11514E-09
Znev_10786	31.2165	452.555	3.85771	-6.69728	2.12335E-11	7.44329E-09
Znev_04110	62.4443	1.09504	-5.83352	6.68148	2.36535E-11	8.04776E-09
Znev_10605	17.5611	0.317404	-5.78992	6.6307	3.34099E-11	1.10425E-08
Znev_14063	5.84606	49.245	3.07444	-6.59391	4.28388E-11	1.37655E-08
Znev_01070	203.697	20.6071	-3.30521	6.53784	6.24152E-11	1.9514E-08
Znev_15978	6.15047	66.9435	3.44417	-6.52324	6.88061E-11	2.0946E-08
Znev_10518	33.8528	0.382385	-6.46811	6.50711	7.66129E-11	2.27246E-08
Znev_08955	93.2948	11.4919	-3.02118	6.47851	9.26303E-11	2.67887E-08
Znev_09038	142.817	17.0841	-3.06345	6.45483	1.08342E-10	3.05682E-08
Znev_05559	32.6947	1.80457	-4.17933	6.42961	1.27928E-10	3.52349E-08
Znev_05812	236.985	29.9798	-2.98273	6.42487	1.31982E-10	3.55061E-08
Znev_02276	78.2225	0.124323	-9.29735	6.37676	1.80878E-10	4.75544E-08
Znev_07330	3.22406	0.329764	-3.28937	6.1643	7.0794E-10	1.81988E-07
Znev_09540	101.187	11.7902	-3.10137	6.08151	1.19054E-09	2.99396E-07
Znev_09276	6.0736	0.901214	-2.75261	5.95565	2.5904E-09	6.3757E-07
Znev_16589	2.77796	18.8727	2.7642	-5.94663	2.73715E-09	6.59652E-07
Znev_01875	26.2504	3.12098	-3.07227	5.87603	4.20221E-09	9.92064E-07
Znev_12175	35.3601	4.01881	-3.13728	5.85192	4.85933E-09	1.12425E-06
Znev_08643	7.80625	53.5749	2.77885	-5.84386	5.10042E-09	1.1569E-06
Znev_13338	46.5803	6.71285	-2.79472	5.81	6.24715E-09	1.38975E-06
Znev_09541	25.9187	4.11319	-2.65566	5.79996	6.63324E-09	1.4478E-06
Znev_06009	3.20985	29.0253	3.17673	-5.78488	7.25639E-09	1.55448E-06
Znev_13564	0.917485	12.9381	3.8178	-5.74829	9.01508E-09	1.89612E-06
Znev_05398	20.3175	159.071	2.96888	-5.74198	9.35738E-09	1.93297E-06
Znev_01552	2.40416	19.2907	3.0043	-5.72573	1.02992E-08	2.0902E-06
Znev_01124	33.9406	210.794	2.63475	-5.69653	1.22269E-08	2.43863E-06
Znev_13880	33.7288	0.110259	-8.25695	5.68585	1.30162E-08	2.55206E-06
Znev_02975	45.1734	7.53343	-2.5841	5.62427	1.86289E-08	3.59165E-06
Znev_04232	8.80748	0.682619	-3.68958	5.61694	1.94369E-08	3.68601E-06
Znev_05026	10.2302	58.5373	2.51652	-5.60618	2.06846E-08	3.85934E-06
Znev_14677	4.34418	27.5428	2.66452	-5.57321	2.50084E-08	4.59202E-06
Znev_18770	86.7198	14.3581	-2.5945	5.56006	2.6968E-08	4.87447E-06
Znev_14286	1.74415	14.838	3.08871	-5.51184	3.55109E-08	6.31984E-06
Znev_01125	2.32911	38.682	4.05381	-5.48355	4.16877E-08	7.30671E-06
Znev_11926	121.031	21.9383	-2.46386	5.45547	4.88422E-08	8.43293E-06

Table S6. *Continued.*

Znev_05728	7.71899	1.34569	-2.52006	5.45031	5.02829E-08	0.000008554
Znev_01720	56.5716	10.2812	-2.46008	5.43532	5.46967E-08	9.17002E-06
Znev_11928	134.682	23.2579	-2.53376	5.43168	5.58246E-08	9.22541E-06
Znev_10404	606.969	99.3471	-2.61107	5.42198	5.89433E-08	9.60361E-06
Znev_00093	4.03962	0.59084	-2.77338	5.41047	6.28599E-08	1.00995E-05
Znev_16699	7.69144	48.6229	2.66031	-5.39653	6.79419E-08	1.07665E-05
Znev_06244	59.9203	9.05948	-2.72555	5.3702	7.86484E-08	1.22947E-05
Znev_14502	26.843	146.469	2.44797	-5.34635	8.97478E-08	1.38427E-05
Znev_02425	28.5579	162.991	2.51283	-5.34369	9.10737E-08	1.38624E-05
Znev_11184	0.973432	52.5938	5.75567	-5.31531	1.06473E-07	1.59959E-05
Znev_14822	604.159	8286.74	3.7778	-5.25969	1.44297E-07	2.14004E-05
Znev_11288	3.04854	0.435861	-2.80618	5.24723	1.54406E-07	2.26098E-05
Znev_10791	1.72219	12.0891	2.81139	-5.24079	1.59887E-07	2.31196E-05
Znev_00003	249.194	49.0929	-2.34368	5.22189	1.77104E-07	2.52931E-05
Znev_11526	597.108	93.8633	-2.66936	5.18265	2.18752E-07	3.08601E-05
Znev_05878	52.0503	259.113	2.3156	-5.16191	2.44437E-07	3.32665E-05
Znev_06301	0.522526	7.54007	3.851	-5.1629	2.43159E-07	3.32665E-05
Znev_16771	1.92428	13.0634	2.76314	-5.1656	2.39666E-07	3.32665E-05
Znev_02019	60.301	317.406	2.39607	-5.11924	3.06773E-07	4.12646E-05
Znev_16996	41.9215	8.77297	-2.25655	5.10819	3.25265E-07	0.000043249
Znev_05780	5.93489	46.085	2.957	-5.08089	3.75675E-07	4.93842E-05
Znev_01403	7.04412	1.13701	-2.63118	5.06421	4.10107E-07	5.33047E-05
Znev_05025	3.8833	21.8877	2.49476	-5.06018	4.18853E-07	5.38366E-05
Znev_13138	1.90684	29.4596	3.94948	-5.04411	4.55635E-07	5.79207E-05
Znev_14741	3.27099	25.6727	2.97244	-5.03698	4.7294E-07	0.000059467
Znev_00010	286.725	61.9983	-2.20937	5.01092	5.41704E-07	6.72386E-05
Znev_02014	54.608	10.3156	-2.40428	5.00927	5.46372E-07	6.72386E-05
Znev_00385	38.9825	270.333	2.79384	-4.99796	5.79385E-07	7.05508E-05
Znev_08434	19.6628	3.55844	-2.46615	4.98801	6.1006E-07	7.35122E-05
Znev_01311	21.9933	1.00621	-4.45006	4.98075	6.33394E-07	7.55371E-05
Znev_00105	13039.6	120225	3.20477	-4.92494	8.43881E-07	9.96124E-05
Znev_17430	19.0811	4.41589	-2.11137	4.80233	1.56827E-06	0.00018325
Znev_17691	10.8394	2.17169	-2.31939	4.76594	1.87971E-06	0.000217445
Znev_02018	107.886	468.127	2.1174	-4.76074	1.92883E-06	0.00020918
Znev_01236	4.77083	26.3201	2.46385	-4.73958	2.14163E-06	0.000242886
Znev_05346	215.621	47.9622	-2.16853	4.69373	2.68269E-06	0.000301295
Znev_09580	29.676	7.13781	-2.05574	4.64944	3.32831E-06	0.00037021
Znev_03930	8.9579	0.89713	-3.31977	4.64697	3.36853E-06	0.000371116
Znev_00200	3.57769	18.8132	2.39465	-4.62691	3.71155E-06	0.000405049
Znev_10520	90.1092	0.133314	-9.4007	4.60186	4.18744E-06	0.000452713
Znev_11793	0.670991	4.72981	2.81742	-4.5958	4.31096E-06	0.000461752
Znev_02420	5.93442	71.2967	3.58666	-4.5327	5.82341E-06	0.00061803
Znev_15904	0.885516	27.3978	4.9514	-4.52076	6.1618E-06	0.000642829
Znev_17661	15.6566	4.012	-1.96438	4.52054	6.16822E-06	0.000642829
Znev_07906	38.6827	8.88928	-2.12155	4.49467	6.9679E-06	0.000719684
Znev_02786	19.9873	81.6574	2.0305	-4.46314	8.07663E-06	0.000826818
Znev_10516	166.646	43.5465	-1.93616	4.43682	9.12968E-06	0.000926422
Znev_17443	3.25343	12.8221	1.9786	-4.42989	9.42833E-06	0.000948408
Znev_15572	75.5836	0	-1.79769e+308	-1.79769e+308	1.00443E-05	0.00100166
Znev_05776	0.417389	4.73142	3.50281	-4.40634	1.05133E-05	0.00103947
Znev_02218	5.5184	21.9218	1.99005	-4.38983	1.13437E-05	0.00111206
Znev_06543	26.2533	118.667	2.17635	-4.38102	1.18127E-05	0.00114639
Znev_08407	14.5451	0.559878	-4.69927	4.37956	0.000011892	0.00114639
Znev_10456	155.854	625.21	2.00415	-4.3716	0.000012334	0.00117037
Znev_13417	6.36772	24.2198	1.92733	-4.37144	1.23431E-05	0.00117037
Znev_15994	30.2969	5.60307	-2.43488	4.35618	1.32351E-05	0.00124475
Znev_07456	7.59265	28.6195	1.91432	-4.30114	1.69921E-05	0.0015852
Znev_05165	31.3776	118.676	1.91922	-4.29095	1.77909E-05	0.00163338
Znev_08422	1.27099	7.95794	2.64644	-4.29111	1.77784E-05	0.00163338
Znev_09456	14.8266	53.682	1.85625	-4.28504	0.000018271	0.00166424
Znev_03575	15.1332	59.5319	1.97595	-4.27069	0.000019487	0.00174748
Znev_06445	8.24125	29.6679	1.84797	-4.27137	0.000019428	0.00174748
Znev_08310	52.8127	8.18532	-2.68977	4.25399	2.09999E-05	0.00186867
Znev_02440	42.5847	164.599	1.95055	-4.25072	0.000021308	0.00188161
Znev_02020	0.200369	16.6504	6.37676	-4.24686	0.000021679	0.00188559
Znev_11818	655.218	181.211	-1.85431	4.24714	0.000021652	0.00188559
Znev_14961	7.05409	28.0978	1.99393	-4.2074	0.000025833	0.00223012
Znev_14287	1.77142	8.92309	2.33264	-4.18278	2.87961E-05	0.0024675
Znev_06300	24.1627	93.1116	1.94618	-4.1743	2.98908E-05	0.00254248
Znev_04089	10.6631	39.8499	1.90195	-4.16422	3.12419E-05	0.002638

Table S6. *Continued.*

Znev_05683	215.287	62.114	-1.79327	4.15658	3.23052E-05	0.00270801
Znev_08920	9.32635	36.5374	1.96999	-4.15293	3.28251E-05	0.00273181
Znev_12421	17.8736	62.4736	1.80542	-4.14876	0.000033428	0.00276143
Znev_17188	126.601	36.6495	-1.78842	4.14719	3.36585E-05	0.00276143
Znev_06130	8.8059	1.56466	-2.49262	4.1401	3.47158E-05	0.00282811
Znev_03323	1.20084	6.39795	2.41357	-4.13706	0.000035179	0.00284581
Znev_05361	3.96731	14.5278	1.87259	-4.1267	3.68009E-05	0.00295634
Znev_02083	18.6298	2.8083	-2.72984	4.12269	3.74474E-05	0.00298753
Znev_05807	293.137	72.6234	-2.01307	4.1159	3.85666E-05	0.00305574
Znev_04889	9.27195	35.2942	1.92849	-4.11393	3.88972E-05	0.00306097
Znev_06777	5.26575	18.2247	1.79119	-4.11147	3.93152E-05	0.00307296
Znev_03961	52.1517	15.3007	-1.76912	4.10548	4.03473E-05	0.00313247
Znev_05339	7.12961	39.2556	2.461	-4.06681	0.000047661	0.00367562
Znev_01211	9.09799	30.7673	1.75778	-4.06432	4.81721E-05	0.00368609
Znev_09523	6.4424	21.6595	1.74933	-4.06235	0.000048582	0.00368609
Znev_10647	7.56199	26.2259	1.79415	-4.06153	4.87528E-05	0.00368609
Znev_14596	0.275697	3.94265	3.83801	-4.05259	5.06543E-05	0.00380499
Znev_06902	17.0514	61.4057	1.84848	-4.04092	5.32424E-05	0.00394813
Znev_07295	26.0826	89.1101	1.7725	-4.04143	5.31267E-05	0.00394813
Znev_06914	0.376438	2.92566	2.95828	-4.03303	5.50614E-05	0.00405701
Znev_04578	156.271	558.847	1.8384	-4.01691	5.89664E-05	0.00431724
Znev_13563	4.13254	16.4933	1.99677	-4.01367	0.000059783	0.0043495
Znev_04739	2.07867	9.87516	2.24814	-3.98295	6.80658E-05	0.00492116
Znev_03259	9.84491	32.9195	1.74149	-3.97283	7.10232E-05	0.00510309
Znev_09774	2246.12	458.529	-2.29235	3.96504	7.33851E-05	0.00524024
Znev_06299	25.514	84.575	1.72894	-3.96078	7.47052E-05	0.00530177
Znev_16120	4.56475	34.1608	2.90374	-3.9489	7.85108E-05	0.00553788
Znev_07867	29.0255	94.0605	1.69627	-3.93154	8.44047E-05	0.00591754
Znev_06455	4.09985	15.1258	1.88337	-3.92322	8.73747E-05	0.00608886
Znev_13647	32.5991	9.52653	-1.77481	3.91804	8.92718E-05	0.00618381
Znev_14659	1.22999	6.66681	2.43835	-3.91417	9.07153E-05	0.00624639
Znev_11104	244.031	72.1473	-1.75805	3.89781	9.70676E-05	0.00664425
Znev_11084	7.84935	2.32902	-1.75285	3.87986	0.000104518	0.00711216
Znev_06218	7.00569	22.443	1.67967	-3.87661	0.000105921	0.00712676
Znev_11366	49.834	15.6639	-1.66968	3.87651	0.000105965	0.00712676
Znev_13315	18.0839	5.71784	-1.66116	3.86426	0.000114426	0.00745071
Znev_06235	10.2833	2.07562	-2.3087	3.85401	0.0001162	0.00772527
Znev_07345	46.3445	179.037	1.94979	-3.84997	0.000118132	0.0078077
Znev_10080	10.1533	33.9134	1.7399	-3.84861	0.000118789	0.0078077
Znev_05993	2.98673	9.92646	1.73271	-3.83944	0.000123315	0.00805934
Znev_16531	10.1294	2.79401	-1.85813	3.83624	0.000124932	0.00811919
Znev_09121	49.6529	5.97662	-3.05448	3.82204	0.000132355	0.00855351
Znev_04416	1.68608	7.91389	2.23071	-3.81271	0.000137451	0.00883351
Znev_06836	7.73185	25.9822	1.74864	-3.80342	0.000142712	0.00912095
Znev_07565	41.6989	13.4013	-1.63763	3.79353	0.00014852	0.00943999
Znev_02366	0	6.77868	1.79769e+308	1.79769e+308	0.000152506	0.00964036
Znev_02135	17.5184	1.02053	-4.10147	3.77204	0.000161918	0.0101797
Znev_06457	0.517571	9.46261	4.19241	-3.7629	0.000167955	0.0104814
Znev_13562	12.5176	39.6419	1.66307	-3.76205	0.000168528	0.0104814
Znev_02145	3.18374	11.5853	1.8635	-3.75869	0.000170807	0.0105474
Znev_07404	52.0622	16.5721	-1.65148	3.7578	0.000171413	0.0105474
Znev_03600	4.64252	0.277078	-4.06655	3.73273	0.000189415	0.0115934
Znev_11819	4.72686	0.105263	-5.48882	3.72195	0.000197694	0.0120364
Znev_11810	22.1044	0	-1.79769e+308	-1.79769e+308	0.000201584	0.012209
Znev_06007	21.6052	6.75661	-1.67701	3.71407	0.000203954	0.0122882
Znev_13535	1.7249	7.90499	2.19625	-3.70867	0.000208349	0.012488
Znev_06541	9.12878	27.9652	1.61514	-3.69808	0.000217235	0.0129535
Znev_08590	12.9837	3.57705	-1.85986	3.691	0.000223376	0.0132514
Znev_03326	9.44008	30.3852	1.6865	-3.68337	0.000230167	0.0135846
Znev_08065	1.09102	5.40246	2.30793	-3.68134	0.00023201	0.0136238
Znev_05889	63.0487	21.1579	-1.57527	3.67287	0.000239844	0.0140127
Znev_01133	0.298154	1.97437	2.72726	-3.66081	0.000251422	0.0145994
Znev_01418	22.0935	6.59392	-1.74441	3.65919	0.000253018	0.0145994
Znev_04366	3.54376	0.670694	-2.40156	3.65852	0.000253673	0.0145994
Znev_10525	8.48434	0	-1.79769e+308	-1.79769e+308	0.000259983	0.0148885
Znev_12703	10.8062	33.6653	1.63941	-3.65086	0.000261361	0.0148937
Znev_12704	15.3217	53.7846	1.81162	-3.64526	0.000267126	0.0151476
Znev_05332	48.7014	145.165	1.57566	-3.63959	0.000273068	0.015409
Znev_01136	0.676014	2.85372	2.07772	-3.63664	0.000276216	0.015511
Znev_00545	108.726	36.1539	-1.58847	3.62909	0.000284423	0.0158947

Table S6. *Continued.*

Znev_18427	0.847504	4.33577	2.355	-3.62436	0.000289673	0.0161103
Znev_02731	37.7305	111.242	1.55989	-3.61533	0.000299962	0.0166027
Znev_14931	5.27816	18.7683	1.83019	-3.61287	0.000302824	0.0166813
Znev_03586	3.325	0.788886	-2.07547	3.60579	0.000311208	0.0170619
Znev_16358	84.8059	29.2971	-1.53341	3.60229	0.000315425	0.0172115
Znev_14960	2.72331	11.9277	2.13089	-3.58862	0.000332433	0.0180475
Znev_18101	18.8289	3.21301	-2.55095	3.5875	0.000333866	0.0180475
Znev_00259	39.8075	13.7655	-1.53198	3.5845	0.000337723	0.018171
Znev_03105	3.16876	33.1707	3.38792	-3.58255	0.000340263	0.018223
Znev_12542	2.50788	39.7733	3.98726	-3.56823	0.000359403	0.0191593
Znev_17023	30.8438	9.99742	-1.62535	3.56699	0.000361099	0.0191614
Znev_04702	1.08814	4.15698	1.93367	-3.5525	0.00038159	0.0201563
Znev_04406	3.09532	11.3317	1.87221	-3.54492	0.000392732	0.0205571
Znev_13226	2.23482	0.309655	-2.85143	3.54545	0.000391943	0.0205571
Znev_14541	7.40881	26.6451	1.84656	-3.53855	0.000402332	0.0209648
Znev_01499	6.21163	19.4187	1.6444	-3.50395	0.00045841	0.0237798
Znev_00163	22.3487	67.135	1.58688	-3.47765	0.000505831	0.0261226
Znev_09048	0.67516	3.48456	2.36768	-3.4661	0.000528072	0.0271499
Znev_06964	4.4107	12.965	1.55554	-3.45522	0.000549852	0.0281447
Znev_01668	49.4771	17.8396	-1.47167	3.45301	0.00055436	0.0282504
Znev_02785	16.3681	5.74762	-1.50985	3.4433	0.00057467	0.0290892
Znev_09732	25.6034	9.17756	-1.48015	3.44274	0.00057585	0.0290892
Znev_11087	15.06	41.8326	1.4739	-3.4376	0.000586891	0.0295181
Znev_11987	13.1074	36.219	1.46637	-3.43588	0.000590641	0.0295781
Znev_13889	0	2.05371	1.79769e+308	1.79769e+308	0.000600002	0.0299174
Znev_02016	24.1383	66.4063	1.46	-3.42041	0.00062526	0.031043
Znev_14335	2.06878	8.36835	2.01616	-3.41498	0.000637861	0.0315332
Znev_00957	1.10127	5.02684	2.19049	-3.41285	0.000642862	0.0316452
Znev_13425	138.098	36.7764	-1.90884	3.3823	0.000718822	0.0352345
Znev_06429	13.7192	2.05804	-2.73686	3.37927	0.000726775	0.035474
Znev_14097	0.181606	1.12869	2.63576	-3.37533	0.000737268	0.035835
Znev_06834	5.79539	15.9537	1.46091	-3.37073	0.000749682	0.0362859
Znev_09831	18.668	6.31581	-1.56352	3.365	0.000765439	0.0367695
Znev_13128	1.74712	0	-1.79769e+308	-1.79769e+308	0.000766032	0.0367695
Znev_03182	2.06259	0.313566	-2.71762	3.3616	0.000774911	0.037042
Znev_14501	19.5065	7.15808	-1.44631	3.34674	0.000817686	0.0389259
Znev_12705	32.0648	146.351	2.19037	-3.33273	0.000859972	0.0407711
Znev_03410	19.0956	5.54038	-1.78519	3.32894	0.00087177	0.0411618
Znev_07963	73.3326	27.319	-1.42455	3.31506	0.000916234	0.0430854
Znev_16345	3.50793	9.74547	1.47411	-3.31282	0.000923594	0.0432556
Znev_10088	3.34252	9.04114	1.43557	-3.3106	0.000930955	0.0434246
Znev_05779	4.43036	32.4001	2.8705	-3.29451	0.00098594	0.0458046
Znev_11433	28.9553	10.8605	-1.41474	3.28674	0.00101353	0.0468983
Znev_13302	13.1342	95.5086	2.8623	-3.28136	0.00103306	0.0476114
Znev_10214	8.38422	22.303	1.41149	-3.27776	0.00104635	0.0480322
Znev_02976	20.9203	2.96905	-2.81683	3.26529	0.00109351	0.0499989

Table S7. The significantly differentially expressed 330 genes identified by Cufflinks between Day 0 and Day 3 in the thorax and abdomen of the No. 2 larva (sorted by q value).

Gene Id	Expression values of thrax and abdomen in the No. 2 larva at Day 0	Expression values of thrax and abdomen in the No. 2 larva at Day 3	log2 (fold_change)	test_stat	p_value	q_value
Znev_13253	28297.2	180.437	-7.29302	12.0882	0	0
Znev_10404	276.894	1.97653	-7.13022	10.9735	0	0
Znev_06757	1297.19	9.74182	-7.05698	11.4589	0	0
Znev_09000	810.868	15.0272	-5.75382	11.015	0	0
Znev_08997	1291.23	51.5475	-4.6467	9.63993	0	0
Znev_06949	105.408	4.71994	-4.48108	8.96647	0	0
Znev_13331	567.734	26.7958	-4.40514	8.43478	0	0
Znev_18885	24.5264	1.42931	-4.10094	8.29665	0	0
Znev_18690	17.6097	1.10803	-3.9903	8.3233	0	0
Znev_06157	4.43737	91.1008	4.35969	-9.22827	0	0
Znev_00957	3.81372	80.3927	4.3978	-9.29461	0	0
Znev_00025	5.28098	123.519	4.54779	-8.46989	0	0
Znev_08644	19.0178	475.643	4.64446	-9.40799	0	0
Znev_05345	11.9869	326.036	4.7655	-9.60388	0	0
Znev_05753	36.1758	1139.47	4.97719	-8.64734	0	0
Znev_18491	91.6469	4151.93	5.50155	-13.7377	0	0
Znev_03257	2.94119	503.154	7.41846	-11.327	0	0
Znev_08043	0.592222	185.229	8.28896	-12.1776	0	0
Znev_02020	14.7619	204.987	3.79558	-8.28719	2.22045E-16	1.33787E-13
Znev_02276	23.3314	0.440679	-5.7264	8.21114	2.22045E-16	1.33787E-13
Znev_09541	15.5869	0.881881	-4.14361	8.22725	2.22045E-16	1.33787E-13
Znev_02966	4.12573	56.3456	3.77158	-7.98299	1.33227E-15	7.66236E-13
Znev_07984	12.8291	156.932	3.61265	-7.928	2.22045E-15	1.22153E-12
Znev_01070	265.925	21.6741	-3.61698	7.8589	3.77476E-15	1.99008E-12
Znev_09038	169.038	15.9158	-3.40882	7.6554	1.93179E-14	9.77717E-12
Znev_02414	69.1246	1138.77	4.04213	-7.60581	2.84217E-14	1.38315E-11
Znev_05418	390.996	28.5491	-3.77564	7.38815	1.48992E-13	6.9822E-11
Znev_01403	18.1043	1.79219	-3.33654	7.35081	1.96954E-13	8.90019E-11
Znev_05361	12.6035	309.91	4.61996	-7.16648	7.69607E-13	3.35787E-10
Znev_01455	4.34931	41.6432	3.25922	-7.09672	1.27742E-12	5.31092E-10
Znev_14564	122.245	1231.1	3.3321	-7.09417	1.30118E-12	5.31092E-10
Znev_01433	62.1496	6.56125	-3.2437	7.08962	1.3447E-12	5.31704E-10
Znev_09362	32.1401	3.76381	-3.09411	7.03974	1.92601E-12	7.38481E-10
Znev_10786	25.0047	418.135	4.0637	-7.02804	2.09455E-12	7.79479E-10
Znev_17430	15.0681	1.82225	-3.0477	6.91255	4.76019E-12	1.72088E-09
Znev_10525	25.8428	1.11787	-4.53093	6.88067	5.95701E-12	2.09372E-09
Znev_10782	76.2685	6.99461	-3.44677	6.85562	7.10054E-12	2.42819E-09
Znev_06615	0.509007	12.3097	4.59597	-6.83135	8.41216E-12	2.80103E-09
Znev_01947	0.816673	22.6608	4.7943	-6.80571	1.00548E-11	3.26215E-09
Znev_02607	3.84922	62.5141	4.02154	-6.77372	1.25511E-11	3.97022E-09
Znev_02346	46.179	3.77164	-3.61397	6.76291	1.35247E-11	4.17387E-09
Znev_02416	98.5204	1365.74	3.79311	-6.62376	3.50171E-11	1.05493E-08
Znev_11926	15.5608	0.952532	-4.03	6.53486	6.36691E-11	1.8735E-08
Znev_06896	450.105	60.0005	-2.90722	6.5241	6.84115E-11	1.9673E-08
Znev_05728	3.48416	0.307724	-3.5011	6.48086	9.12028E-11	2.56442E-08
Znev_13642	73.4438	10.56	-2.79804	6.45774	1.06275E-10	2.9324E-08
Znev_18362	2.13583	31.8113	3.89667	-6.44203	1.17885E-10	3.1736E-08
Znev_09540	45.3148	3.47463	-3.70505	6.42789	1.29391E-10	3.4108E-08
Znev_07832	121.455	17.5948	-2.7872	6.38553	1.7081E-10	4.32251E-08
Znev_15373	3.8269	41.7429	3.44728	-6.38691	1.69267E-10	4.32251E-08
Znev_07337	41.3922	5.16505	-3.0025	6.36352	1.97179E-10	4.89198E-08
Znev_09001	246.356	21.3358	-3.5294	6.32391	2.55022E-10	6.20537E-08
Znev_04925	4.85945	31.8825	2.7139	-6.28197	3.34316E-10	7.98132E-08
Znev_13138	31.5409	204.531	2.69702	-6.23018	4.65903E-10	1.09168E-07
Znev_10785	40.6941	285.946	2.81285	-6.22134	4.92923E-10	1.13399E-07
Znev_16679	17.4325	113.18	2.69877	-6.20384	5.51028E-10	1.24503E-07
Znev_07409	39.299	4.79506	-3.03487	6.1863	6.1591E-10	1.36721E-07
Znev_11927	14.7949	0.498022	-4.89275	6.17611	6.57007E-10	1.43329E-07
Znev_00666	9.85274	61.4689	2.64126	-6.16711	6.95501E-10	1.47077E-07
Znev_11922	10.6232	0.358054	-4.89089	6.16667	6.97432E-10	1.47077E-07
Znev_08407	22.3397	1.22234	-4.1919	6.11148	9.87126E-10	2.04756E-07
Znev_16996	22.0535	3.26179	-2.75727	6.07108	1.27057E-09	2.59298E-07
Znev_11366	29.4504	4.04575	-2.86381	6.06591	1.31207E-09	2.63517E-07
Znev_03410	42.9987	6.07332	-2.82374	6.06176	1.34639E-09	2.66185E-07
Znev_01434	2.78271	16.7845	2.59257	-6.05634	1.39255E-09	2.71077E-07
Znev_11818	245.59	28.1286	-3.12614	6.02995	1.64007E-09	3.14421E-07
Znev_10783	32.5863	1.87325	-4.12065	6.02008	1.74327E-09	3.29217E-07

Table S7. Continued.

Znev_03744	35.776	299.338	3.06471	-5.96635	2.42623E-09	4.51457E-07
Znev_03908	162.182	25.4184	-2.67367	5.96075	2.51089E-09	4.60439E-07
Znev_04108	7.4421	0.39404	-4.23929	5.95403	2.61622E-09	4.72901E-07
Znev_15869	6.65095	40.0347	2.58962	-5.94546	2.75676E-09	4.91287E-07
Znev_11929	49.63	1.2387	-5.32431	5.94091	2.83438E-09	4.98103E-07
Znev_10516	51.0258	7.13846	-2.83754	5.90003	3.6344E-09	6.29947E-07
Znev_10605	22.8224	3.50586	-2.70261	5.78915	7.07447E-09	1.20964E-06
Znev_00356	22.6046	181.877	3.00827	-5.77602	7.64898E-09	1.29043E-06
Znev_03424	12.5788	0.881102	-3.83555	5.74567	9.15558E-09	1.52428E-06
Znev_07829	6.29174	0.67413	-3.22236	5.73373	9.82484E-09	1.60322E-06
Znev_15903	285.204	1632.12	2.51668	-5.73272	9.88315E-09	1.60322E-06
Znev_00003	260.12	47.2495	-2.46081	5.71866	1.07366E-08	1.71962E-06
Znev_19016	4.93652	31.1091	2.65577	-5.7151	1.09637E-08	1.73405E-06
Znev_12622	0.173307	4.372	4.65689	-5.69912	1.2043E-08	1.88123E-06
Znev_02417	285.958	51.2546	-2.48005	5.69133	1.26052E-08	1.94229E-06
Znev_18067	4.19243	26.3558	2.65226	-5.6895	1.27409E-08	1.94229E-06
Znev_05559	21.4438	0.12305	-7.44517	5.68371	1.31805E-08	1.96203E-06
Znev_07863	75.1143	13.4164	-2.48509	5.68409	1.31512E-08	1.96203E-06
Znev_09004	676.486	120.862	-2.4847	5.67877	1.35668E-08	1.99605E-06
Znev_07712	57.0544	306.038	2.4233	-5.67399	1.39508E-08	2.02895E-06
Znev_10524	10.7122	0.363811	-4.87992	5.66128	1.50245E-08	2.16029E-06
Znev_18396	42.1979	6.03917	-2.80475	5.65736	1.53721E-08	2.18543E-06
Znev_06313	7.77289	40.6658	2.38729	-5.63624	1.73808E-08	2.44354E-06
Znev_00412	79.1404	15.0064	-2.39883	5.5918	2.24731E-08	3.12475E-06
Znev_01258	110.295	571.576	2.37358	-5.57245	2.51176E-08	3.45449E-06
Znev_01076	15.2269	1.49191	-3.35139	5.56762	2.58236E-08	3.5134E-06
Znev_12711	2.30642	12.1696	2.39956	-5.50047	3.78782E-08	5.09865E-06
Znev_07399	70.4629	529.274	2.90908	-5.49759	3.85027E-08	5.12815E-06
Znev_10214	17.1324	91.8342	2.4223	-5.47543	4.36452E-08	5.75253E-06
Znev_10858	0.819399	10.2855	3.64991	-5.42502	5.79477E-08	7.55888E-06
Znev_14822	370.593	5752.54	3.95629	-5.40373	6.52706E-08	8.42723E-06
Znev_05808	27.3631	3.82148	-2.84003	5.37	7.8738E-08	1.00065E-05
Znev_07453	0.802295	6.71966	3.06618	-5.36921	7.9084E-08	1.00065E-05
Znev_05776	2.7084	16.0207	2.56443	-5.34974	8.80793E-08	1.10343E-05
Znev_17997	17.0635	118.101	2.79103	-5.32823	9.91752E-08	1.23026E-05
Znev_01124	51.6553	246.257	2.25318	-5.31799	1.04919E-07	1.28887E-05
Znev_13127	76.0416	13.0522	-2.5425	5.30459	1.12928E-07	1.37392E-05
Znev_11928	15.6318	0.645137	-4.59874	5.29892	1.1649E-07	1.40376E-05
Znev_17691	9.00033	1.59418	-2.49717	5.28349	1.26745E-07	1.51293E-05
Znev_01875	18.9255	3.23011	-2.55068	5.24034	1.6028E-07	1.89534E-05
Znev_17622	48.4035	2811.91	5.8603	-5.23573	1.64338E-07	1.92534E-05
Znev_00932	72.2321	1055.83	3.86959	-5.20538	1.936E-07	2.24736E-05
Znev_16223	3.64716	19.3237	2.40553	-5.18997	2.10326E-07	2.41933E-05
Znev_14073	253.6	55.8785	-2.18219	5.18013	2.21727E-07	2.52749E-05
Znev_15873	291.273	10844.8	5.21849	-5.13588	2.80834E-07	3.17267E-05
Znev_09048	1.15548	7.52	2.70223	-5.07097	3.95787E-07	4.39289E-05
Znev_10522	8.5217	0.0833013	-6.67666	5.07165	3.94383E-07	4.39289E-05
Znev_02014	17.369	3.80775	-2.18951	5.03977	4.66085E-07	5.12815E-05
Znev_04285	2.64707	14.7467	2.47792	-5.03744	4.71805E-07	5.14633E-05
Znev_08422	9.65515	42.1495	2.12614	-5.02734	4.9733E-07	5.37839E-05
Znev_03423	4.99132	0.171873	-4.86001	4.96004	7.04791E-07	7.55739E-05
Znev_03105	29.1932	156.923	-4.93542	7.99795E-07	7.99795E-07	8.50404E-05
Znev_02855	199.808	47.7472	-2.06513	4.9016	9.5058E-07	0.000100231
Znev_08746	84.1762	1005.54	3.57842	-4.88568	1.0307E-06	0.000107781
Znev_11084	6.81271	1.44247	-2.23968	4.86354	1.15304E-06	0.000119586
Znev_03429	22.0927	4.16128	-2.40847	4.85877	1.1812E-06	0.00012151
Znev_09909	87.94	21.0938	-2.0597	4.83973	1.30013E-06	0.000132666
Znev_06301	7.26372	30.651	2.07715	-4.82412	1.40626E-06	0.000142133
Znev_11229	9.05474	0.610659	-3.89024	4.82283	1.41538E-06	0.000142133
Znev_03003	19.3451	1.86135	-3.37755	4.8184	1.44713E-06	0.000143051
Znev_06880	3.00706	13.4913	2.16561	-4.81873	1.44478E-06	0.000143051
Znev_03574	6.79003	1.32427	-2.35823	4.79062	1.66266E-06	0.000163082
Znev_14463	17.9452	3.47095	-2.3702	4.75407	1.99362E-06	0.00019404
Znev_16361	9216.55	2011.32	-2.19608	4.71041	2.47215E-06	0.00023878
Znev_18101	30.3884	5.19686	-2.54781	4.65098	3.30362E-06	0.000316672
Znev_14596	0.699378	5.28379	2.91743	-4.64106	3.4662E-06	0.000329758
Znev_06703	33.9923	7.8533	-2.11384	4.62486	3.74857E-06	0.00035396
Znev_01787	3.18872	0.211006	-3.91762	4.62084	3.82191E-06	0.000358212
Znev_13470	12.7262	2.36502	-2.42787	4.61803	3.87404E-06	0.000360428
Znev_00545	124.926	31.5153	-1.98695	4.60155	4.19361E-06	0.000387312

Table S7. Continued.

Znev_02410	173.933	46.2386	-1.91136	4.59743	4.27726E-06	0.000392175
Znev_15617	20.7379	81.6323	1.97687	-4.57903	4.67131E-06	0.000425223
Znev_06620	17.3596	4.26937	-2.02364	4.57131	4.8469E-06	0.000438056
Znev_16589	12.9069	91.1227	2.81967	-4.56824	4.91843E-06	0.000441368
Znev_01312	92.0785	390.62	2.08483	-4.5617	5.07404E-06	0.000449488
Znev_01929	7.14219	27.24	1.93129	-4.56146	5.07996E-06	0.000449488
Znev_06422	205.183	44.7909	-2.19564	4.5389	5.65496E-06	0.000496891
Znev_06158	22.7178	5.7589	-1.97996	4.52689	5.98575E-06	0.000522329
Znev_04937	139.976	36.0162	-1.95846	4.52541	6.02786E-06	0.000522401
Znev_10781	33.7877	3.95805	-3.09364	4.52341	6.08523E-06	0.000523785
Znev_01236	33.2948	123.513	1.89129	-4.51546	6.31805E-06	0.000540151
Znev_09523	4.38409	16.6555	1.92565	-4.51222	6.41512E-06	0.000544768
Znev_12696	146.019	829.915	2.50681	-4.5087	6.5225E-06	0.000550194
Znev_10742	43.2478	177.708	2.03881	-4.49164	7.06763E-06	0.00059223
Znev_08044	6.67262	1.04783	-2.67085	4.48984	7.12752E-06	0.00059332
Znev_07906	40.9191	10.4828	-1.96476	4.48528	7.28175E-06	0.000602196
Znev_07751	70.2475	511.15	2.86323	-4.46349	8.06342E-06	0.000662509
Znev_11611	5.73999	0.809453	-2.82603	4.45141	8.53084E-06	0.000692058
Znev_17392	54.0886	15.077	-1.84297	4.45137	8.53245E-06	0.000692058
Znev_15619	12.4647	44.8715	1.84795	-4.44089	8.95863E-06	0.000721997
Znev_00018	5.95902	22.397	1.91016	-4.43079	9.38865E-06	0.000747136
Znev_10791	1.12651	5.80274	2.36487	-4.43128	9.36767E-06	0.000747136
Znev_02366	2.36338	12.8975	2.44817	-4.42617	9.59192E-06	0.000755469
Znev_12243	55.642	204.968	1.88115	-4.42571	9.61278E-06	0.000755469
Znev_10521	10.0264	0.172844	-5.8582	4.42267	9.74876E-06	0.000761427
Znev_07935	89.4033	20.943	-2.09386	4.41008	1.03334E-05	0.000802138
Znev_11360	17.4768	4.80264	-1.86354	4.40537	1.05604E-05	0.000814763
Znev_11526	342.653	90.7727	-1.91642	4.39564	1.10447E-05	0.000846964
Znev_08065	0.468539	3.50399	2.90276	-4.373	1.22553E-05	0.000934135
Znev_05879	3.20241	14.6287	2.19157	-4.33873	1.43307E-05	0.00108579
Znev_14501	10.8281	2.66926	-2.02026	4.31618	1.58754E-05	0.00119566
Znev_12175	156.725	44.7148	-1.80941	4.28939	1.79162E-05	0.00134138
Znev_08048	6.85519	0	-1.79769e+308	-1.79769e+308	1.84076E-05	0.00137007
Znev_17043	6.45224	25.9653	2.00871	-4.27032	0.000019519	0.00144429
Znev_13349	514.475	1791.64	1.80011	-4.26827	1.96992E-05	0.00144915
Znev_18796	18.8073	592.241	4.97682	-4.266	1.99004E-05	0.00145549
Znev_14317	474.165	139.744	-1.76261	4.26259	2.02069E-05	0.00146941
Znev_14063	3.69403	13.9071	1.91255	-4.2578	2.06449E-05	0.0014842
Znev_18204	0.570472	3.60698	2.66056	-4.25859	2.05724E-05	0.0014842
Znev_17093	5.04729	0.779588	-2.69473	4.21502	2.49758E-05	0.00177539
Znev_18496	5.04729	0.779588	-2.69473	4.21502	2.49758E-05	0.00177539
Znev_06487	19.6033	5.30581	-1.88545	4.20896	2.56553E-05	0.0018135
Znev_17853	16.4606	3.96487	-2.05367	4.19333	0.000027489	0.00193232
Znev_02083	22.3656	4.74145	-2.23788	4.18479	0.000028543	0.00199533
Znev_09276	13.1367	3.8437	-1.77303	4.18104	2.90185E-05	0.0020064
Znev_13304	109.994	437.848	1.993	-4.18213	2.88788E-05	0.0020064
Znev_00181	13.8534	4.14304	-1.74148	4.16766	3.07738E-05	0.0021162
Znev_10028	6.28208	37.0934	2.56185	-4.14955	3.33126E-05	0.0022784
Znev_00674	14.2271	46.7321	1.71577	-4.14468	3.40286E-05	0.00231486
Znev_02761	50.3431	440.645	3.12975	-4.13562	3.53992E-05	0.00239522
Znev_13315	14.0928	4.328	-1.70318	4.10865	3.97971E-05	0.00267847
Znev_00824	8.23229	0.835756	-3.30014	4.10345	4.07027E-05	0.00272493
Znev_10838	11.7763	3.57512	-1.71982	4.09961	4.13845E-05	0.00275599
Znev_09395	1.27484	30.3546	4.57352	-4.09468	4.22744E-05	0.00280052
Znev_17938	2.92036	14.1317	2.27472	-4.06592	4.78436E-05	0.00315294
Znev_18409	3.60704	0.217795	-4.04977	4.0603	4.90103E-05	0.00321309
Znev_02218	3.08675	11.5808	1.90758	-4.04968	5.12882E-05	0.0033451
Znev_04433	14.9424	57.3632	1.94071	-4.03672	5.42031E-05	0.00351709
Znev_18903	4.73398	0	-1.79769e+308	-1.79769e+308	5.83903E-05	0.00376945
Znev_02423	1.10155	12.839	3.54292	-4.01137	6.03681E-05	0.00387552
Znev_17762	4.22402	15.4087	1.86706	-4.01028	6.06459E-05	0.00387552
Znev_01730	12.8935	3.50969	-1.87722	3.99856	6.37303E-05	0.00404226
Znev_12500	56.9526	16.2862	-1.80611	3.99795	0.000063894	0.00404226
Znev_13338	9.19623	1.99177	-2.20699	3.99155	0.000065644	0.0041323
Znev_11816	38.7379	120.295	1.63476	-3.9831	6.80223E-05	0.00426082
Znev_00560	17.5337	3.82552	-2.1964	3.97485	7.04245E-05	0.00438956
Znev_09494	7.59858	2.46342	-1.62507	3.96468	7.34957E-05	0.00455853
Znev_08434	6.08245	1.34856	-2.17323	3.9616	0.000074449	0.00458981
Znev_10709	31.8031	101.976	1.681	-3.96072	7.47254E-05	0.00458981
Znev_14396	112.705	441.054	1.9684	-3.95596	7.62276E-05	0.00465946

Table S7. Continued.

Znev_08411	10.4477	1.81743	-2.52321	3.93157	8.43929E-05	0.00513376
Znev_15744	60.9145	186.416	1.61367	-3.92474	8.68228E-05	0.00525631
Znev_13302	18.2706	115.971	2.66617	-3.923	8.74535E-05	0.00526928
Znev_06444	45.8035	218.14	2.25173	-3.91957	8.87089E-05	0.00531959
Znev_09121	32.6703	4.38498	-2.89734	3.9076	9.32169E-05	0.00553743
Znev_09450	2085.03	452.099	-2.20536	3.90811	9.30192E-05	0.00553743
Znev_09452	6.0288	1.3422	-2.16727	3.88084	0.000104096	0.00615481
Znev_10518	2.45923	0.220326	-3.4805	3.87502	0.000106617	0.00627453
Znev_03961	14.0769	3.9944	-1.81727	3.87131	0.000108253	0.00634132
Znev_06159	2.11818	0.194137	-3.44768	3.86917	0.000109208	0.0063678
Znev_03182	6.49164	1.72611	-1.91106	3.85586	0.000115325	0.00664847
Znev_07004	2.18623	8.74564	2.00012	-3.85697	0.000114801	0.00664847
Znev_12439	11.0881	3.09587	-1.8406	3.85528	0.000115598	0.00664847
Znev_14774	2.11513	9.16956	2.1161	-3.83643	0.000124834	0.00714718
Znev_01371	17.8752	5.25545	-1.76608	3.83034	0.000127967	0.00729354
Znev_10720	32.6452	339.97	3.38046	-3.82413	0.000131232	0.0074461
Znev_11389	84.4033	27.8504	-1.5996	3.80612	0.000141166	0.00797401
Znev_03421	24.0055	7.19762	-1.73777	3.79175	0.000149589	0.00841223
Znev_09032	19.7846	6.71128	-1.55972	3.78614	0.000153005	0.00856625
Znev_15870	3.71615	44.5182	3.58252	-3.78267	0.000155154	0.00864831
Znev_00091	39.8931	9.35937	-2.09165	3.76559	0.000166159	0.00922111
Znev_10333	157.587	633.49	2.00717	-3.76201	0.000168556	0.00931328
Znev_14741	3.94758	15.8718	2.00742	-3.75765	0.000171517	0.00943568
Znev_11946	10.3775	30.935	1.57578	-3.75371	0.000174234	0.00954365
Znev_16617	21.5566	65.5321	1.60407	-3.75028	0.000176639	0.00963369
Znev_17698	0.74074	0.0731301	-3.34043	3.74229	0.000182354	0.00990267
Znev_05390	1.79367	6.92186	1.94824	-3.73913	0.000184662	0.00994266
Znev_08649	6.96839	22.3645	1.68232	-3.73915	0.000184643	0.00994266
Znev_01622	45.8506	11.2175	-2.03119	3.73208	0.000189903	0.0101386
Znev_09277	11.4266	2.76951	-2.0447	3.73314	0.000189105	0.0101386
Znev_13226	2.90652	0.635652	-2.19298	3.72241	0.000197326	0.0104906
Znev_07408	3.85672	0.385431	-3.32283	3.71917	0.000199879	0.0105819
Znev_04232	7.69752	2.16542	-1.82974	3.71737	0.00020131	0.0106132
Znev_16434	784.285	253.73	-1.62808	3.69849	0.000216886	0.011387
Znev_15994	4.75129	0.153808	-4.94911	3.69527	0.000219653	0.0114846
Znev_17657	48.9402	140.098	1.51735	-3.68768	0.000226309	0.0117839
Znev_11924	184.968	1603.62	3.11599	-3.68545	0.000228296	0.0118387
Znev_11931	3.06328	0.669607	-2.19369	3.68257	0.000230894	0.0119245
Znev_18091	24.7248	0.813044	-4.92648	3.68142	0.000231941	0.0119299
Znev_07663	2.83816	0.0933345	-4.9264	3.67671	0.000236266	0.0121031
Znev_03425	133.603	46.3723	-1.52661	3.66338	0.000248906	0.0126992
Znev_08625	13.0733	39.6725	1.60151	-3.65845	0.000253743	0.012894
Znev_08185	11.3664	33.5657	1.56222	-3.6443	0.000268122	0.0135702
Znev_15534	4.14372	13.5829	1.71279	-3.63956	0.000273107	0.0137674
Znev_05337	17.457	48.7903	1.48279	-3.61702	0.000298019	0.0149637
Znev_02420	16.6564	67.3239	2.01504	-3.60941	0.000306892	0.0153482
Znev_18799	0.764823	3.27864	2.0999	-3.60301	0.000314558	0.0156697
Znev_07474	53.9176	149.586	1.47215	-3.5993	0.000319074	0.0158323
Znev_03428	51.5232	18.0299	-1.51483	3.59103	0.000329373	0.0162699
Znev_12338	0.32765	1.99518	2.60629	-3.59017	0.000330465	0.0162699
Znev_03427	3.20179	0.408265	-2.9713	3.57775	0.000346559	0.0169962
Znev_12888	3.7693	1.00697	-1.90428	3.56348	0.000365972	0.0178789
Znev_02206	0.721588	9.33001	3.69263	-3.54331	0.000395131	0.0192292
Znev_00010	498.525	176.11	-1.50119	3.53557	0.000406895	0.0197258
Znev_08643	31.6014	119.277	1.91625	-3.51984	0.000431813	0.0207778
Znev_13608	35.1516	101.698	1.53263	-3.5198	0.000431878	0.0207778
Znev_06007	4.46838	0.777595	-2.52266	3.51737	0.00043585	0.0208894
Znev_02792	16.1643	43.7679	1.43706	-3.51016	0.000447831	0.0212225
Znev_07939	22.4227	8.18966	-1.45308	3.51017	0.000447821	0.0212225
Znev_09601	3.8987	12.0238	1.62483	-3.51197	0.000444796	0.0212225
Znev_06221	32.864	11.8951	-1.46614	3.50838	0.000450837	0.0212852
Znev_01125	8.01772	28.6093	1.83522	-3.50317	0.000459757	0.0213241
Znev_01179	4.08169	0	-1.79769e+308	-1.79769e+308	0.000460086	0.0213241
Znev_11586	2.14038	0.371993	-2.52452	3.50619	0.000454569	0.0213241
Znev_15978	108.159	322.976	1.57827	-3.50531	0.000456072	0.0213241
Znev_16119	122.36	0	-1.79769e+308	-1.79769e+308	0.000460086	0.0213241
Znev_01418	22.8216	61.5081	1.43038	-3.4955	0.000473169	0.0217781
Znev_03398	3.95904	13.8658	1.80831	-3.49542	0.000473325	0.0217781
Znev_07452	0.92931	8.12441	3.12803	-3.49295	0.000477719	0.0219007
Znev_05754	454.199	2723.15	2.58388	-3.4888	0.000485194	0.022163

Table S7. *Continued.*

Znev_04085	40.2558	14.8199	-1.44166	3.47493	0.000510987	0.0232573
Znev_09829	2.21988	9.86327	2.15158	-3.45638	0.000547485	0.0248291
Znev_16936	37.5535	14.107	-1.41253	3.45411	0.000552117	0.0249498
Znev_15102	6.20247	1.35345	-2.1962	3.44888	0.000562919	0.0253474
Znev_06610	9.39302	2.38529	-1.97742	3.44736	0.000566098	0.0253985
Znev_14457	24.7999	78.4224	1.66093	-3.44642	0.00056807	0.0253985
Znev_18583	29.8123	10.4251	-1.51584	3.43745	0.000587228	0.0261627
Znev_07987	57.6495	155.575	1.43223	-3.43092	0.000601533	0.026706
Znev_14199	3.82951	0.992527	-1.94798	3.42346	0.000618299	0.0273543
Znev_13161	0	9.63938	1.79769e+308	1.79769e+308	0.000625628	0.0275821
Znev_00553	0.324199	6.08396	4.23006	-3.4174	0.000632222	0.027776
Znev_10787	316.828	120.799	-1.39109	3.40872	0.00065269	0.0285761
Znev_16904	2.59254	0.801221	-1.6941	3.40649	0.000658033	0.0286486
Znev_18616	1.11028	5.80666	2.38679	-3.40614	0.000658874	0.0286486
Znev_05946	7.35501	2.11797	-1.79605	3.3986	0.000677307	0.0293492
Znev_00092	1.92277	0.330038	-2.54248	3.38629	0.000708449	0.0304898
Znev_14873	0.68776	3.38055	2.29728	-3.38696	0.000706712	0.0304898
Znev_18438	12.3245	78.2677	2.66689	-3.38014	0.0007245	0.0310749
Znev_02806	38.7766	104.683	1.43277	-3.36862	0.000755459	0.0321928
Znev_08777	0	9.05731	1.79769e+308	1.79769e+308	0.000755653	0.0321928
Znev_12960	2.83548	8.8111	1.63573	-3.36761	0.000758238	0.0321946
Znev_01524	43.3378	16.5403	-1.38964	3.35137	0.000804142	0.0340295
Znev_02253	116.073	301.081	1.37512	-3.34768	0.000814906	0.03437
Znev_18937	0.841707	0	-1.79769e+308	-1.79769e+308	0.000822308	0.034567
Znev_04736	51.769	145.569	1.49154	-3.34358	0.000827037	0.0346507
Znev_09186	4.11932	12.0008	1.54265	-3.3388	0.000841398	0.035136
Znev_04861	42.5173	16.4979	-1.36577	3.33045	0.00086707	0.0360889
Znev_08718	22.7602	8.79814	-1.37125	3.3287	0.000872521	0.0361967
Znev_05661	33.4162	12.1204	-1.46311	3.32642	0.000879683	0.0363746
Znev_08418	2.69736	8.42649	1.64338	-3.32532	0.000883172	0.0363999
Znev_05752	409.897	1219.54	1.573	-3.31391	0.000920025	0.0377957
Znev_05398	120.255	697.846	2.53681	-3.31254	0.000924538	0.0378582
Znev_08310	40.1928	11.7926	-1.76906	3.29745	0.000975665	0.0398229
Znev_14005	13.1035	38.747	1.56413	-3.29248	0.000993074	0.0404031
Znev_13126	2.66858	0.636062	-2.06883	3.29006	0.00100164	0.0406086
Znev_16441	10.8427	36.1914	1.73892	-3.28925	0.00100454	0.0406086
Znev_06967	3.95501	1.08796	-1.86206	3.28828	0.001008	0.0406186
Znev_06875	24.7802	9.50966	-1.38172	3.28473	0.0010208	0.0408818
Znev_12452	10.6762	3.2756	-1.70457	3.28468	0.00102099	0.0408818
Znev_00392	16.3529	5.91756	-1.46647	3.28277	0.00102791	0.0408999
Znev_17023	21.8767	8.57345	-1.35145	3.28332	0.00102591	0.0408999
Znev_17661	15.8647	6.27542	-1.33804	3.27892	0.00104204	0.0413319
Znev_08413	67.8388	25.5495	-1.40882	3.27499	0.00105664	0.0417804
Znev_08642	10.2691	3.74991	-1.45338	3.26792	0.00108341	0.0427052
Znev_05781	0.218844	1.40084	2.67832	-3.2554	0.00113233	0.0444949
Znev_00045	13.8761	36.7322	1.40444	-3.24344	0.00118097	0.0462627
Znev_04441	116.46	410.31	1.81687	-3.24111	0.00119067	0.0464987
Znev_05366	15.4673	41.2941	1.41672	-3.24014	0.00119472	0.0465131
Znev_05101	42.214	14.3331	-1.55837	3.2381	0.0012033	0.0467036
Znev_01132	98.3566	27.9633	-1.81449	3.23672	0.00120912	0.046786
Znev_18972	0.559711	2.7124	2.27682	-3.23513	0.00121587	0.0469035
Znev_14707	2.88378	0.721906	-1.99808	3.22188	0.00127354	0.0489789
Znev_07540	25.3986	9.83547	-1.36868	3.21706	0.0012951	0.0496572

Table S8. The significantly differentially expressed 52 genes identified by Cufflinks between the No. 1 and No. 2 larva in the head at Day 0 (sorted by q value).

Gene Id	Expression values of head in the No. 1 larva at Day 0	Expression values of head in the No. 2 larva at Day 0	log2 (fold_change)	test_stat	p_value	q_value
Znev_02600	165.491	0.621858	-8.05595	9.90255	0	0
Znev_02599	306.348	1.49669	-7.67725	12.6813	0	0
Znev_08644	404.643	3.04251	-7.05524	13.0931	0	0
Znev_02605	161.209	2.41865	-6.05859	12.9483	0	0
Znev_01305	570.414	10.2038	-5.80484	13.0241	0	0
Znev_02597	72.1493	1.75305	-5.36305	9.18601	0	0
Znev_18796	78.9004	2.82525	-4.80358	11.0354	0	0
Znev_10786	130.958	32.8885	-1.99345	8.608	0	0
Znev_15572	20.0482	79.636	1.98995	-8.30682	0	0
Znev_12860	83.62	6.83668	-3.61248	8.16629	2.22E-16	2.61E-13
Znev_02604	46.9656	0	-1.79769e+308	-1.79769e+308	7.39E-16	7.89E-13
Znev_18797	37.4856	6.59429	-2.50705	7.34707	2.03E-13	1.98E-10
Znev_01148	13.3786	0.503355	-4.73221	7.25142	4.12E-13	3.66E-10
Znev_10734	18.8563	2.30844	-3.03006	7.2438	4.36E-13	3.66E-10
Znev_06444	8.98792	0	-1.79769e+308	-1.79769e+308	3.53E-12	2.76E-09
Znev_05754	51.8806	1.0126	-5.67906	6.87692	6.12E-12	4.49E-09
Znev_04409	44.6251	0.399491	-6.80355	6.83687	8.09E-12	5.59E-09
Znev_10785	138.581	41.8668	-1.72685	6.78269	1.18E-11	7.69E-09
Znev_07480	101.869	4.60389	-4.46772	6.3611	2.00E-10	1.24E-07
Znev_01312	32.2176	0	-1.79769e+308	-1.79769e+308	2.29E-10	1.34E-07
Znev_06455	20.3975	4.31952	-2.23945	6.31159	2.76E-10	1.54E-07
Znev_10647	23.675	7.96716	-1.57123	6.18109	6.37E-10	3.40E-07
Znev_02601	51.2746	0.194496	-8.04236	5.76696	8.07E-09	3.98E-06
Znev_04739	13.5348	2.19007	-2.62763	5.76569	8.13E-09	3.98E-06
Znev_04417	24.3421	7.04362	-1.78906	5.75657	8.58E-09	4.03E-06
Znev_01314	19.0119	0.34534	-5.78274	5.74519	9.18E-09	4.14E-06
Znev_00105	32204.4	13738.4	-1.22905	5.6198	1.91E-08	8.31E-06
Znev_04937	22.5305	0.129925	-7.43806	5.32212	1.03E-07	4.30E-05
Znev_05752	44.6963	0	-1.79769e+308	-1.79769e+308	2.46E-07	9.96E-05
Znev_04736	7.75041	0.216547	-5.16152	5.07904	3.79E-07	0.000148373
Znev_11184	32.9676	1.02561	-5.00649	4.90975	9.12E-07	0.000345172
Znev_05882	2.20731	0.270834	-3.02681	4.90126	9.52E-07	0.000349171
Znev_04416	9.16405	1.77642	-2.36701	4.88225	1.05E-06	0.000372927
Znev_16361	145695	72596.3	-1.00498	4.63795	3.52E-06	0.00121439
Znev_05026	26.8826	10.7785	-1.31851	4.57733	4.71E-06	0.00157885
Znev_14677	14.2937	4.57692	-1.64293	4.48683	7.23E-06	0.00235623
Znev_14564	462.108	1.48303	-8.28354	4.39671	1.10E-05	0.00348541
Znev_02366	5.88982	0	-1.79769e+308	-1.79769e+308	1.34E-05	0.00414731
Znev_01313	23.3244	0.374741	-5.9598	4.21928	2.45E-05	0.00737395
Znev_01374	3.40331	0.275463	-3.62701	4.17634	2.96E-05	0.00869022
Znev_15978	23.2352	6.47995	-1.84226	4.14662	3.37E-05	0.00965666
Znev_05339	17.6839	7.5117	-1.23522	4.11167	3.93E-05	0.0102428
Znev_14063	15.022	6.15941	-1.28622	4.11869	3.81E-05	0.0102428
Znev_15577	129.914	69.2559	-0.907545	4.11708	3.84E-05	0.0102428
Znev_18449	30.7576	15.8775	-0.953961	4.11461	3.88E-05	0.0102428
Znev_16284	93.5465	1.72558	-5.76053	4.06389	4.83E-05	0.0120489
Znev_18543	15803.6	8610.59	-0.876072	4.06842	4.73E-05	0.0120489
Znev_10214	19.3792	8.83345	-1.13346	3.86494	0.000111116	0.0271632
Znev_13169	22.685	54.742	1.27091	-3.7633	0.000167689	0.0401564
Znev_00932	6.39677	1.44628	-2.145	3.74796	0.000178277	0.0406993
Znev_13349	130.748	0	-1.79769e+308	-1.79769e+308	0.000180362	0.0406993
Znev_18491	4.48003	1.47899	-1.5989	3.75476	0.000173509	0.0406993

Table S9. The significantly differentially expressed 53 genes identified by Cufflinks between the No. 1 and No. 2 larva in the thorax and abdomen at Day 0 (sorted by q value).

Gene Id	Expression values of thrax and abdomen in the No. 1 larva at Day 0	Expression values of thrax and abdomen in the No. 2 larva at Day 0	log2(fold_change)	test_stat	p_value	q_value
Znev_08644	454.582	20.4549	-4.47402	16.0033	0	0
Znev_04925	75.5412	5.22661	-3.85332	15.3792	0	0
Znev_10786	108.861	26.8939	-2.01713	9.74854	0	0
Znev_18797	668.03	45.0871	-3.88913	8.11545	4.44089E-16	1.39355E-12
Znev_10214	52.4705	18.4268	-1.5097	7.3391	2.14939E-13	5.39583E-10
Znev_07832	42.3317	130.629	1.62567	-7.2659	3.70592E-13	7.75279E-10
Znev_14564	462.261	131.482	-1.81384	6.7253	1.75226E-11	3.14206E-08
Znev_06455	16.1312	4.45047	-1.85782	6.01952	1.74937E-09	2.74475E-06
Znev_12960	12.6346	3.0497	-2.05064	5.93516	2.93553E-09	4.09408E-06
Znev_05880	14.0764	38.637	1.45671	-5.75254	8.79119E-09	1.00316E-05
Znev_18796	371.024	20.2285	-4.19705	5.76223	8.30076E-09	1.00316E-05
Znev_14596	6.61804	0.75222	-3.13718	5.70776	1.14472E-08	1.19737E-05
Znev_15873	138.543	313.283	1.17713	-5.62976	1.80458E-08	1.74239E-05
Znev_02014	8.23464	18.6814	1.18182	-5.46266	4.69051E-08	3.72484E-05
Znev_03396	54.5614	26.286	-1.05359	5.4605	4.74805E-08	3.72484E-05
Znev_09048	6.43248	1.24279	-2.3718	5.46826	4.54466E-08	3.72484E-05
Znev_05728	1.1627	3.74739	1.68841	-5.28555	1.25329E-07	0.000092537
Znev_03738	52.9583	14.9031	-1.82924	4.97648	6.47503E-07	0.000451526
Znev_10720	18.3716	35.1119	0.934484	-4.93039	8.20672E-07	0.000542162
Znev_02297	11.8938	1.78266	-2.73811	4.86441	1.14798E-06	0.000687103
Znev_05418	210.136	420.52	1.00085	-4.86068	1.16984E-06	0.000687103
Znev_18491	50.4209	98.5715	0.967148	-4.85493	1.20429E-06	0.000687103
Znev_18885	12.6658	26.3793	1.05847	-4.78346	1.72301E-06	0.000940316
Znev_12622	2.39864	0.186397	-3.68577	4.6772	2.90816E-06	0.00140739
Znev_17622	25.8086	52.0612	1.01236	-4.68341	2.82135E-06	0.00140739
Znev_18690	9.45082	18.9409	1.00299	-4.6767	2.91525E-06	0.00140739
Znev_05918	508.635	260.25	-0.966733	4.65141	3.29679E-06	0.00153264
Znev_08548	64.4161	30.8013	-1.06443	4.60082	4.2084E-06	0.00188657
Znev_01314	83.5031	151.897	0.863191	-4.55122	5.33355E-06	0.00215957
Znev_08777	19.6631	0	-1.79769e+308	-1.79769e+308	5.04372E-06	0.00215957
Znev_15182	145.075	77.5954	-0.90276	4.5559	5.2161E-06	0.00215957
Znev_07480	479.29	867.163	0.855405	-4.52278	6.10336E-06	0.00239404
Znev_10785	87.3279	43.7682	-0.996558	4.49128	7.07954E-06	0.0026928
Znev_15181	230.974	126.58	-0.867677	4.40616	1.05218E-05	0.00388442
Znev_06407	22.7936	12.2802	-0.892301	4.38721	1.14812E-05	0.00411747
Znev_08185	26.5883	12.2252	-1.12093	4.36299	1.28297E-05	0.00447329
Znev_15180	355.714	195.23	-0.865547	4.34278	0.000014069	0.00477283
Znev_11585	18.2969	32.1463	0.813051	-4.31802	1.57435E-05	0.00520034
Znev_01403	10.6652	19.4722	0.868495	-4.26295	2.01745E-05	0.00649307
Znev_02366	10.0766	2.54193	-1.98701	4.25454	2.09479E-05	0.00657346
Znev_09129	20.2166	3.03115	-2.7376	4.23814	2.25383E-05	0.00690002
Znev_05559	8.34725	23.0642	1.46628	-4.22031	2.43965E-05	0.00729106
Znev_06394	178.68	67.3752	-1.40709	4.02567	5.68124E-05	0.0165839
Znev_17151	17.2102	7.68938	-1.16232	4.00488	6.20486E-05	0.0177008
Znev_13642	46.4857	78.9917	0.764913	-3.88302	0.000103167	0.0287767
Znev_12417	1.24672	4.4498	1.8356	-3.86795	0.000109752	0.029948
Znev_16284	511.819	877.395	0.777593	-3.85288	0.000116738	0.0311764
Znev_00932	46.6069	77.6901	0.737185	-3.81404	0.000136711	0.03575
Znev_12307	21.9451	3.10969	-2.81906	3.80166	0.00014373	0.0360821
Znev_17392	34.9904	58.1746	0.733431	-3.80469	0.000141983	0.0360821
Znev_13240	11.3033	6.00565	-0.912357	3.78308	0.000154902	0.0381241
Znev_03698	328.945	191.737	-0.778715	3.73531	0.000187482	0.0452553
Znev_09032	12.6016	21.2793	0.755847	-3.7214	0.00019812	0.0469208

Table S10. The ω ratio in the alternative hypothesis predicted by the branch-site model using PAML analysis in the branch with the clade (1).

site class	0	1	2a	2b
proportion	0.00000	0.00000	0.85785	0.14215
background w	0.06815	1.00000	0.06815	1.00000
foreground w	0.06815	1.00000	999.00000	999.00000

Note. The four site classes (0, 1, 2a, and 2b) were calculated. The foreground branch indicates the branch leading to the focal clade and the back branch indicates the other branch. Likelihood ratio test, d.f. = 1, $p = 0.308$; null hypothesis ($\ln L = -1652.834262$), alternative hypothesis ($\ln L = -1652.315208$).

Table S11. The ω ratio in the alternative hypothesis predicted by the branch-site model using PAML analysis in the branch with the clade (2).

site class	0	1	2a	2b
proportion	0.79647	0.08279	0.10937	0.01137
background w	0.06840	1.00000	0.06840	1.00000
foreground w	0.06840	1.00000	999.00000	999.00000

Note. The four site classes (0, 1, 2a, and 2b) were calculated. The foreground branch indicates the branch leading to the focal clade and the back branch indicates the other branch. Likelihood ratio test, d.f. = 1, $p = 2.10\text{E-}03$; null hypothesis ($\ln L = -1653.10635$), alternative hypothesis ($\ln L = -1648.372234$).

Table S12. The ω ratio in the alternative hypothesis predicted by the branch-site model using PAML analysis in the branch with the clade (4).

site class	0	1	2a	2b
proportion	0.85795	0.14205	0.00000	0.00000
background w	0.07158	1.00000	0.07158	1.00000
foreground w	0.07158	1.00000	1.00000	1.00000

Note. The four site classes (0, 1, 2a, and 2b) were calculated. The foreground branch indicates the branch leading to the focal clade and the back branch indicates the other branch. Likelihood ratio test, d.f. = 1, $p = 1.000$; null hypothesis ($\ln L = -1655.083269$), alternative hypothesis ($\ln L = -1655.083269$).

Table S13. The ω ratio in the alternative hypothesis predicted by the branch-site model using PAML analysis in the branch with the clade (3).

site class	0	1	2a	2b
proportion	0.00000	0.00000	0.85785	0.14215
background w	0.06750	1.00000	0.06750	1.00000
foreground w	0.06750	1.00000	1.00000	1.00000

Note. The four site classes (0, 1, 2a, and 2b) were calculated. The foreground branch indicates the branch leading to the focal clade and the back branch indicates the other branch. Likelihood ratio test, d.f. = 1, $p = 0.997$; null hypothesis ($\ln L = -1653.210735$), alternative hypothesis ($\ln L = -1653.21073$).

Table S14. The ω ratio in the alternative hypothesis predicted by the branch-site model using PAML analysis in the branch with the clade (5).

site class	0	1	2a	2b
proportion	0.85772	0.14202	0.14202	0.00004
background w	0.07158	1.00000	0.07158	1.00000
foreground w	0.07158	1.00000	1.00000	1.00000

Note. The four site classes (0, 1, 2a, and 2b) were calculated. The foreground branch indicates the branch leading to the focal clade and the back branch indicates the other branch. Likelihood ratio test, d.f. = 1, $p = 0.999$; null hypothesis ($\ln L = -1655.08327$), alternative hypothesis ($\ln L = -1655.083269$).