Fig. S1. Fitness effects and transmission routes of a microsporidian parasite infecting *Drosophila* and its parasitoids.

	1 10	20	30	40	50	60	70	80	90	100	110	120	130
T.acridophagus T.ratisbonensis 'our'species T.kingi Consensus	CAGGATTTCGTCGC	TGCCAATATA	CCGGACCTAT	TGCTCGCCAT	CAC	CAGGTTGATT	CTGCCTGTTA	TATGTGCTAG	TGTCGAAGAT	TTAGCCATGC	ATGCTTTACGA ATGCTTTACGA ATGCTTTACGA	AATTCACAAGA	AGAAGT
	131 140	150	160	170	cac	caggttgatt 190	ctgcctgtta 200	tatgt.ctag 210	tgtcgaagat 220	ttagccatgc 230	atgetttaega 240	aattcacaaga 250	agaagt 260
T.acridophagus T.ratisbonensis 'our'species T.kingi Consensus	GGCGGACAGCTCAG GGCGGACAGCTCAG GGCGGACAGCTCAG	TAATACAGTT TAATACAGTT	ATAATATAC ATAATATAC	TCTCTACTAA TCTCTACTAA	AGGATAACCG AGGATAACCG	CGGTAAGCTG CGGTAAGCTG	CGGGTAAAAC CGGGTAAAAC	TTCAAGCTAT TTCAAGCTAT	GTGTTTCATG GTGTTTCATG	AAAGAATTTA AAAGAATTTA	TAGTTCAGAGT TAGTTCAGAGT	TGTTAGTTTCT TGTTAGTTTCT	TGGCCTA TGGCCTA
	ggcggacagctcag 261 270	taatacagtt 280	ataatataci 290	300	aggataaccg 310	cggtaagctg 320	cgggtaaaac 330	ttcaagctat: 340	gtgtttcatg 350	aaagaattta 360	tagttcagagt 370	igttagtttct 380	ggccta 390
T.acridophagus T.ratisbonensis 'our'species T.kingi Consensus	TTAGTTAGTAGGTA TTAGTTAGTAGGTA TTAGTTAGTAGGTA ttagttagtaggta	IATGTAAGGGA IATGTAAGGGA	TTACCTAGA(TTACCTAGA(CTATTATGGG CTATTATGGG	TAACGGGAGA TAACGGGAGA	TGAATGTCTG TGAATGTCTG	ATACCGGAGA ATACCGGAGA	GGAAGCCTTA GGAAGCCTTA	GAAACCGCTT GAAACCGCTT	TCACGTCCAA TCACGTCCAA	GGATGGCAGCA GGATGGCAGCA	AGGCGCGAAAC AGGCGCGAAAC	TTACCC
	391 400 	410	420	430	440	45 0	460	470	480	490	500	510	520 1
T.acridophagus T.ratisbonensis 'our'species T.kingi Consensus	AATCGTTTTTTAAC AATCGTTTTTTAAC AATCGTTTTTTAAC aatcgttttttaag	ACGGAGGTAG ACGGAGGTAG	TTATGACACI TTATGACACI	ATGTGAATTA ATGTGAATTA	TTCACGAGGA TTCACGAGGA	AGATCAATAA AGATCAATAA	ATCAGATTTT ATCAGATTTT	TTTTACTGGA TTTTACTGGA	GGGCAAGTCT GGGCAAGTCT	GGTGCCAGCA GGTGCCAGCA	GCCGCGGTAAT	TTCCAGCTCCF TTCCAGCTCCF	AGTAGTG AGTAGTG
	521 530	540	550	560	570	580	590	600	610	620	630	640	650
T.acridophagus T.ratisbonensis 'our'species T.kingi Consensus	CATATACATGCTGT CATATACATGCTGT CATATACATGCTGT catatacatgctgt	TAGTTAGAAAG TAGTTAGAAAG	TTTGTAGCC(TTTGTAGCC(GTATAAGCTT GTATAAGCTT	GAATCAGAGGI GAATCAGAGGI	AAAGGAGGAC AAAGGAGGAC	TCTTAAGGTA TCTTAAGGTA	AACTTTAACT AACTTTAACT	CTGGTCAATG CTGGTCAATG	CTTATATTCG CTTATATTCG	AAGCGGAT G GA AAGCGGAT C GA	AGGCACTTGTF AGGCACTTGTF	TTCAAT TTCAAT
	651 660	670	680	690	700	710	720	730	740	750	760	770	780
T.acridophagus T.ratisbonensis 'our'species T.kingi Consensus	AGCGAGAGGTAAAA AGCGAGAGGTAAAA AGCGAGAGGTAAAA	TTTGATGACC TTTGATGACC	TATTGAGGA(TATTGAGGA(CAATCAGTAG CAATCAGTAG	CGAAAGCGAG CGAAAGCGAG	TGTCTAGTAC TGTCTAGTAC	GCGTTTGAGG GCGTTTGAGG	GTCAAGAACG GTCAAGAACG	TTAGCCGGAG TTAGCCGGAG	GATCGAAGAT GATCGAAGAT	GATTAGATACO GATTAGATACO	CGTTGTAGTTC CGTTGTAGTTC	CGGCCG
	781 790	800	810	820	830	840	850	860	870	880	890	900	910
T.acridophagus T.ratisbonensis 'our'species T.kingi Consensus	TARACCATGCCTAC TARACCATGCCTAC TARACCATGCCTAC	TTGCCTTGTA TTGCCTTGTA	CTTAGTATGI CATAGTATGI	AAGCATAGAG AAGCATAGAG	AAATTAAGAG AAATTAAGAG	TTTTTGGGCT TTTTTGGGCT	CTAGGGATAG CTAGGCATAG	TAATCCGGCA TAATCCGGCA	ACGGACAAAC ACGGACAAAC	TTAAAGAAAT TTAAAGAAAT	TGGCGGAAGGA TGGCGGAAGGA	ACACCACAAGO ACACCACAAGO	AGTGGA AGTGGA
	911 920	930	940	950	960	970	980	990	1000	1010	1020	1030	1040
T.acridophagus T.ratisbonensis 'our'species T.kingi Consensus	TTGTGCGGCTCAAC TTGTGCGGCTTAAC TTGTGCGGCTCAAC	CTTGACTCAAC CTTGACTCAAC	ACGGGAAAT(ACGGGAAAT(CTTACCAGGG CTTACCAGGG	TCTGTATATG TCTGTATATG	TGAGACTGTC TGAGACTGTC	CCATTTATGG CCATTTATGG	TGGTACACGA TGGTACACGA	TAATATACTG TAATATACTG	AGTGGTGCAT AGTGGTGCAT	GGCCGTTTTCF GGCCGTTTTCF	AACACGTGGG(AACACGTGGG(TGACCT TGACCT
	1041 1050	1060	1070	1080	1090	1100	1110	1120	1130	1140	1150	1160	1170
T.acridophagus T.ratisbonensis 'our'species T.kingi Consensus	GTCAGGTTTATTCC GTCAGGTTTATTCC GTCAGGTTTATTCC gtcaggtttattcc	GGTAACGTGT GGTAACGTGT	GAGGTCACA(GAGGTC	GTATTAATAA TAA	GTATTTTAATI GTATTTTAATI	AGACAGCTAA AGACAGCTAA	TGGTAAATTA TGGTAAATTA	GAGGAAGTGT GAGGAAGTGT	GACGATAACA GACGATAACA	GGTCAGTGAT GGTCAGTGAT	GCCCTTAGATA GCCCTTAGATA	ACCCTGGGCT(ACCCTGGGCT(CACGCG CACGCG
	1171 1180	1190	1200	1210	1220	1230	1240	1250	1260	1270	1280	1290	1300
T.acridophagus T.raLisbonensis 'our'species T.kingi Consensus	CARTACATTGAGTA CARTACATTGAGTA CARTACATTGAGTA caatacattgagta	AGTCATTTAC AGTCATTTAC	AACAGTAAT AATAGTAAT	TTTGAAACTTI TTTGAAACTTI	ACTCGCTACT(ACTCGCTACT(GGGATCATCC GGGATCATCC	TTTGTAATTG TTAGTAATTG	GGATGTGAAC GGATGTGAAC	GTGGAATTCC GTGGAATTCC	TAGTAATCGT TAGTAATCGT	AGCTCACTAAC	STTACGATGAF STTACGATGAF	TGTGTC TGTGTC
	1301 1310	1320	1330	1340	1350	1360	1370	1380	1390	1400	1410	1420	1430
T.acridophagus T.ratisbonensis 'our'species T.kingi Consensus	CCTGTTCTTTGCAC CCTGTTCTTTGCAC CCTGTTCTTTGCAC	CACACCGCCCG	TCGCTATCTI TCGCTATCTI	AAGATGGATG AAGATGGATG	TTGATATGAA TTGATATGAA	ATTGCTGCTT ATTGCTGCTT	GAATGTGAGG GAATGTGAGG	TACTTGAGTA TACTTGAGTA	TTAACAACTA TTAACAACTA	GATAAGATAT GATAAGATAT	AAGTCGTAACA AAGTCGTAACA	AAGGCTGCTAT AAGGCTGCTAT	ragaaga ragaaga
	1431 1440	1450	1460	1470	1480	1490	1500	1510	1520	1530	1540	1550	1560
T.acridophagus T.ratisbonensis 'our'species T.kingi Consensus	ATCTGTGGCAAGAT ATCTGTGGCAAGAT ATCTGTGGCAAGAT atctgtggca.gat	CATAC-AAAT CATACCAAAT	ATATTAATA	CTATTATAGA	GATGAAGTGT	TGGTAAGGGA	TCTCTTGGGT	TCTGTAACGA	GGAAGGACGT GGAAGGACGT	AGACGAATGC AGACGAATGC	GATAAGGGAG(GATAAGGGAG(CCTCATCTCAC CCTCATCTCAC	CTTAGC CTTAGC
	1561 1570	1580	1590	1600	1610	1620	1630	1640	1650	1660	1670	1680	1690
T.acridophagus T.ratisbonensis 'our'species T.kingi Consensus		GAAAGAATACT GAAAGAATACT GAA-GAATACT GAA-GAATACT GAA-gaatact	CCTAGAACT1 CCTAGAGCT1	TAAGCATATCI TA-GCATATCI	ATTATAGGAA ATTATAGGAA	GGAATAGAAA GGAATAGAAA	TTAACGAAGA TTAACGAAGA	TTCTCACAGT TTCTCACAGT	AGTGGCGAAT AGTGGCGAAT	GAACAGAGAT GAACAGAGAT	AAGTCCACGA1 AAGTCCACGA1	TGGTAAACTG1 TGGTAAACTG1	TATTCCA TATTCCA
	1691 1700	1710	1720	1730	1740	1750	1760	1770	1780	1790	1800	1810	1820
T.acridophagus T.ratisbonensis 'our'species T.kingi Consensus	ATACGGTGTTGTATATACGGTGTTGTATACGGTGTTGTATACGGTGTTGTATACGGTGTTGTATACGGTGTTGTATACGGTGTTGTATACGGTGTGTATACGGTGTGTATACGGTGTGTATACGGTGTGTATACGGTGTGTATACGGTGTGTATACGGTGTGTATACGGTGTGTATACGGTGTGTATACGGTGTGTATACGGTGTGTATACGGTGTGTATACGGTGTGTATACGGTGTGTATACGGTGTGTATACGGTGTGTATACGGTGTACGGTGTACGTAC	TATAAGAACTT TATAAGAACTT	AAGTGATAA(AAGTGATAA(GCTGAAAAGC GCTGAAAAGC	TTGACCATAGI TTGACCATAGI	CGGGTTATAG CGGGTTAT-G	TCCCCTTCTT TCCCCTTCTT	ATTGAGATTG ATTGAGATTG	TTAGATTAGC TTAGATTAGC	CTTGCTTGGT CTTGCTTGGT	AATGCAAGGTO A-NNCAAGGTO	SAATTGGGTG(SAATTGGGTG(TAGATC TAGATG
	1821 1830	1840	1850	1860	1870	1880	1890	1900	1910	1920	193 • 933	,,,,	- ′
T.acridophagus T.ratisbonensis 'our'species T.kingi Consensus	GCATCCAAGACTAA GCATCCAAGACTAA GCATCCAAGACTAA gcatccaagactaa	IATATAACAGA IATATAACAGA	ACACCGATA(ACACCGATA(GCGAAGAAGTI GCGAAGAAGTI	ACTGCGAAGGI ACTGCGAAGGI	AAAGAAGAAA AAAGAAGAAA	GGTCTTTCAG GCT-TTTCAG	ACCAATAAAG ACCAATAAAG	TA-GTGAAAT TATGTGAAA				