

Appendix S2. A list of *Wolbachia* host species and sequence accessions for five *Wolbachia* Multiple Locus Strain Typing sequences [cytochrome C oxidase subunit A (*coxA*), conserved hypothetical protein (*hcpA*), fructose-bisphosphate adolase (*fbpA*), cell division protein (*ftsZ*) and aspartyl/glutamyl-tRNA aminotransferase subunit B (*gatB*)], and *Wolbachia* surface protein [*wsp* and paralog *wspB*] used for BLASTn queries as part of primer re-design efforts. The sequences were downloaded from the National Center of Biotechnology Information (NCBI) GenBank repository.

<i>coxA</i>		<i>fbpA</i>		<i>hcpA</i>		<i>ftsZ</i>		<i>gatB</i>	
<i>Wolbachia</i> Host	Accession Number	<i>Wolbachia</i> Host	Sample or Accession Number	<i>Wolbachia</i> Host	Sample or Accession Number	<i>Wolbachia</i> Host	Sample or Accession Number	<i>Wolbachia</i> Host	Sample or Accession Number
<i>D. nr.</i> <i>basimacula</i> #5	5 (this study)	<i>D. pandora</i> (MK)	KU686371.1	<i>D. nr.</i> <i>basimacula</i> #5	5 (this study)	<i>D. nr.</i> <i>basimacula</i> #5	5 (this study)	<i>D. nr.</i> <i>basimacula</i> #5	5 (this study)
<i>S. calignosa</i>	20 (this study)	<i>D. pandora</i> (wRi)	KU686365.1	<i>D. nr.</i> <i>basimacula</i> #1	59 (this study)	<i>D. simulans</i> (wNo)	DQ266426 .1	<i>S. calignosa</i>	20 (this study)
<i>D. nr.</i> <i>basimacula</i> #2	41 (this study)	<i>D. suzukii</i>	KS308223.1	<i>D. prolactica</i>	123 (this study)	<i>D. innubila</i> B	DQ266424 .1	<i>D.</i> <i>prolactica</i>	123 (this study)
<i>D. nr.</i> <i>basimacula</i> #1	59 (this study)			<i>D. micromyia</i>	155 (this study)	<i>D. simulans</i> (Riverside)	EF423735. 1	<i>D.</i> <i>micromyia</i>	155 (this study)
<i>D. prolactica</i>	123 (this study)			<i>D. prostopalpis</i>	175 (this study)	<i>D. simulans</i> (Irvine 8)	EF423733. 1	<i>D.</i> <i>prostopalpis</i>	175 (this study)
<i>D. kikiko</i>	127 (this study)			<i>D. ancyla</i>	185 (this study)	<i>D. pandora</i> (wRi)	KU686366. 1	<i>D. ancyla</i>	185 (this study)
<i>D.</i> <i>prostopalpis</i>	175 (this study)			<i>D. nr.</i> <i>basimacula</i> #1	212 (this study)			<i>D. nr.</i> <i>basimacula</i> #1	212 (this study)
<i>D. ancyla</i>	185 (this study)			<i>D. pandora</i> (MK)	KU686374.1			<i>D. suzukii</i>	KF943819.1
<i>D.</i> <i>atroscutellata</i>	187 (this study)			<i>D. pandora</i> (wRi)	KU686368.1			<i>D. borealis</i>	FJ415471.1
<i>D. prolactica</i>	197 (this study)			<i>D. suzukii</i>	KF943818.1			<i>D.</i> <i>melanogaste</i> <i>r</i>	DQ842452.1
<i>D. nr.</i> <i>basimacula</i> #1	212 (this study)			<i>D. orientacea</i>	EU126285.1			<i>D. simulans</i>	DQ842435.1

<i>D. nr. basimacula</i> #2	213 (this study)			<i>D. munda</i>	EU126281.1			<i>D. simulans</i>	DQ842434.1
<i>D. seclusa</i>	221 (this study)			<i>D. testacea</i>	EU126277.1			<i>D. simulans</i>	DQ842433.1
<i>D. nigrocirrus</i>	244 (this study)			<i>D. innubila</i>	EU126276.1			<i>D. simulans</i>	DQ842432.1
<i>D. recens</i>	DQ842283.1			<i>D. neotestacea</i>	EU126271.1			<i>D. recens</i>	DQ842431.1
<i>D. orientacea</i>	DQ842282.1			<i>D. recens isolate 9</i>	DQ842394.1			<i>D. orientacea</i>	DQ842430.1

<i>coxA</i>		<i>fbpA</i>		<i>hcpA</i>		<i>ftsZ</i>		<i>gatB</i>	
<i>Wolbachia Host</i>	Accession Number	<i>Wolbachia Host</i>	Accession Number	<i>Wolbachia Host</i>	Accession Number	<i>Wolbachia Host</i>	Accession Number	<i>Wolbachia Host</i>	Accession Number
<i>D. neotestacea</i>	DQ842281.1			<i>D. simulans isolate 26</i>	DQ842397.1			<i>D. neotestacea</i>	DQ842429.1
<i>D. bifasciata</i>	DQ842279.1			<i>D. melanogaster isolate 1</i>	DQ842415.1			<i>D. innubila</i>	DQ842428.1
<i>D. innubila</i>	DQ842280.1			<i>D. bifasciata isolate 5</i>	DQ842390.1			<i>D. bifasciata</i>	DQ842427.1
<i>D. simulans</i>	DQ842284.1			<i>D. pseudotakahashii (wPse)</i>	MF348260.1			<i>D. simulans</i>	KF717543.1
<i>D. pseudotakahashii (wPse)</i>	MF348256.1							<i>D. simulans</i>	KF717542.1
<i>D. pandora (wRi)</i>	KU686364.1							<i>D. simulans</i>	KF717541.1
<i>D. pandora (MK)</i>	KU686370.1							<i>D. orientacea</i>	EU126171.1
<i>D. testacea</i>	EU126220.1							<i>D. munda</i>	EU126167.1
								<i>D. testacea</i>	EU126163.1
								<i>D. innubila</i>	EU126162.1
								<i>D. neotestacea</i>	EU126157.1

								<i>D. pandora</i> (MK)	KU686373.1
								<i>D. pandora</i> (wRi)	KU686367.1
								<i>D. simulans</i>	KU255378.1
								<i>D. simulans</i>	KF717571.1
								<i>D. simulans</i>	KF717570.1

<i>wspB</i>		<i>wsp</i>							
Wolbachia Host	Sample or Accession Number	Wolbachia Host	Sample or Accession Number	Wolbachia Host	Sample or Accession Number	Wolbachia Host	Sample or Accession Number	Wolbachia Host	Sample or Accession Number
<i>D. nr. basimacula</i> #5	5 (this study)	<i>D. pseudoananassae (wPana)</i>	DQ412108.1	<i>D. orientacea</i>	DQ842466.1	<i>D. septentrionsaltans (wSpt)</i>	AY620211.1	<i>D. ananassae</i>	AY858801.1
<i>D. large spots</i>	16 (this study)	<i>D. mauritiana (wNo)</i>	DQ412107.1	<i>D. innubila</i>	AY552553.1	<i>D. melanogaster</i>	KU870673.1	<i>D. pandora (wRi)</i>	KU686369.1
<i>D. simulans</i>	AJ580923.1	<i>D. simulans</i>	DQ842470.1	<i>D. innubila</i>	DQ842464.1	<i>D. melanogaster (wMel)</i>	DQ412100.1	<i>D. suzukii (72w)</i>	JX134954.1
<i>D. simulans (wRi)</i>	EU095939.1	<i>D. simulans</i>	DQ842469.1	<i>D. borealis</i>	FJ415468.1	<i>D. simulans (wMel)</i>	DQ412101.1	<i>D. suzukii (71w)</i>	JX134953.1
		<i>D. kikkawai</i>	JX134922.1	<i>D. munda</i>	EU126452.1	<i>D. melanogaster</i>	JF505383.1	<i>D. suzukii (70w)</i>	JX134952.1
		<i>D. apicipuncta</i>	JX134926.1	<i>D. pandora (MK)</i>	KU686375.1	<i>D. melanogaster</i>	LC108849.1	<i>D. paulistorum</i>	GQ924887.1
		<i>D. innubila</i>	AY552552.1	<i>D. recens</i>	AY154399.1	<i>D. melanogaster</i>	DQ842486.1	<i>D. simulans</i>	DQ842468.1
		<i>D. Dorsigera</i>	JX134935.1	<i>D. recens</i>	DQ842467.1	<i>D. melanogaster</i>	AY888036.1	<i>D. baimaii (wBai)</i>	DQ412091.1
		<i>D. forficata</i>	JX134928.1	<i>D. melanogaster</i>	AY888034.1	<i>D. paulistorum (wMel-like)</i>	KF289042.1	<i>D. rellima</i>	HM436813.1
		<i>D. tetraspilota</i>	JX134936.1	<i>D. septentrionsaltans</i>	AY620214.1	<i>D. equinoxialis (wMel-like)</i>	KF289041.1		
		<i>D. innubila</i>	EU126447.1	<i>D. ambigua strain</i>	AY567540.1	<i>D. melanogaster</i>	AY888035.1		
		<i>D. basimacula</i>	JX134934.1	<i>D. tristis (wTri)</i>	AY567541.1	<i>D. neotestacea</i>	GU552301.1		
		<i>D. basimacula</i>	JX134933.1	<i>D. septentrionsaltans (wSpt)</i>	AY620213.1	<i>D. takahashii (wTak)</i>	DQ412094.1		
		<i>D. eurypeza strain</i>	JX134927.1	<i>D. septentrionsaltans (wSpt)</i>	AY620212.1	<i>D. pseudotakahashii (wPse)</i>	DQ412093.1		
		<i>D. fundita</i>	JX134924.1	<i>D. septentrionsaltans (wSpt)</i>	AY620210.1	<i>D. bifasciata</i>	DQ842463.1		

		<i>D. fundita</i>	JX134929.1	<i>D. prosaltans</i> (wPro)	AY620208.1	<i>D. simulans</i> (Riverside)	EF423761.1		
<i>wspB</i>		<i>wsp</i>							
Wolbachia Host	Sample or Accession Number	Wolbachia Host	Sample or Accession Number	Wolbachia Host	Sample or Accession Number	Wolbachia Host	Accession Number	Wolbachia Host	Sample or Accession Number
		<i>D. ancylo</i>	JX134925.1	<i>D. arawakana</i> (wWil)	DQ412099.1	<i>D. simulans</i> (Irvine 46)	EF423760.1		
		<i>D. dasyncnemia</i>	JX134915.1	<i>D. tropicalis</i> (wWil)	DQ412098.1	<i>D. simulans</i> (Irvine 45)	EF423759.1		
		<i>D. dasyncnemia</i>	JX134920.1	<i>D. willistoni</i> (wWil)	DQ412097.1	<i>D. simulans</i> (Irvine 43)	EF423758.1		
		<i>D. dasyncnemia</i>	JX134912.1	<i>D. tropicalis</i> (wAu)	KF289039.1	<i>D. simulans</i> (Irvine 42)	EF423757.1		
		<i>D. dasyncnemia</i>	JX134921.1	<i>D. willistoni</i> (wWil)	AY620229.1	<i>D. simulans</i> (Irvine 40)	EF423756.1		
		<i>D. redunca</i>	JX134932.1	<i>D. willistoni</i> (wWil)	AY620228.1	<i>D. simulans</i> (Irvine 36)	EF423755.1		
		<i>D. prodita</i>	JX134931.1	<i>D. willistoni</i> (wWil)	AY620227.1	<i>D. simulans</i> (Irvine 34)	EF423754.1		
		<i>D. dasyncnemia</i>	JX134919.1	<i>D. willistoni</i> (wWil)	AY620226.1	<i>D. simulans</i> (Irvine 33)	EF423753.1		
		<i>D. dasyncnemia</i>	JX134918.1	<i>D. willistoni</i> (wWil)	AY620225.1	<i>D. simulans</i> (Irvine 32)	EF423752.1		
		<i>D. dasyncnemia</i>	JX134917.1	<i>D. willistoni</i> (wLag)	AY620224.1	<i>D. simulans</i> (Irvine 29)	EF423751.1		
		<i>D. dasyncnemia</i>	JX134916.1	<i>D. willistoni</i> (wWil)	AY620223.1	<i>D. simulans</i> (Irvine 28)	EF423750.1		
		<i>D. dasyncnemia</i>	JX134914.1	<i>D. willistoni</i> (wWil)	AY620222.1	<i>D. simulans</i> (Irvine 27)	EF423749.1		
		<i>D. dasyncnemia</i>	JX134913.1	<i>D. willistoni</i> (wWil)	AY620221.1	<i>D. simulans</i> (Irvine 25)	EF423748.1		
		<i>D. dasyncnemia</i>	JX134911.1	<i>D. willistoni</i> (wWil)	AY620220.1	<i>D. simulans</i> (Irvine 24)	EF423747.1		
		<i>D. dasyncnemia</i>	JX134910.1	<i>D. willistoni</i> (wWil)	AY620219.1	<i>D. simulans</i> (Irvine 23)	EF423746.1		

		<i>D. nigrocirrus</i>	JX134930.1	<i>D. willistoni</i> (wWil)	AY620218.1	<i>D. simulans</i> (Irvine 21)	EF423745.1		
		<i>D. nikananu</i> (wNik)	DQ412109.1	<i>D. paulistorum</i>	GQ924890.1	<i>D. simulans</i> (Irvine 19)	EF423744.1		
		<i>D. sturtevanti</i> (wStv)	AY620217.1	<i>D. paulistorum</i>	GQ924889.1	<i>D. simulans</i> (Irvine 13)	EF423743.1		
		<i>D. sturtevanti</i> (wStv)	AY620216.1	<i>D. yakuba</i>	AY291346.1	<i>D. simulans</i> (Irvine 12)	EF423742.1		
		<i>D. sturtevanti</i> (wStv)	DQ412110.1	<i>D. teissieri</i>	AY291347.1	<i>D. simulans</i> (Irvine 11)	EF423741.1		
		<i>D. sturtevanti</i> (wStv)	AY620215.1	<i>D. yakuba</i>	AY291348.1	<i>D. simulans</i> (Irvine 10)	EF423740.1		
		<i>D. sechellia</i> (wHa)	DQ412111.1	<i>D. paulistorum</i>	GQ924888.1	<i>D. simulans</i> (Irvine 8)	EF423739.1		
		<i>D. fumipennis</i> (wFum1)	AY620207.1	<i>D.</i> <i>septentrionsaltans</i> (wSpt)	AY620209.1	<i>D. simulans</i> (Irvine 5)	EF423738.1		
		<i>D. bicornuta</i> (wBic)	DQ412092.1	<i>D. paulistorum</i> (wAu-lik)	KF289040.1	<i>D. simulans</i> (Irvine 2)	EF423737.1		
		<i>D. neotestacea</i>	DQ842465.1	<i>D. arawakana</i> (wSpt)	DQ412102.1	<i>D. simulans</i> (Irvine 1)	EF423736.1		
		<i>D. neotestacea</i>	EU126442.1	<i>D. ananassae</i> (wSpt)	DQ412103.1	<i>D. quadraria</i> (wRi)	DQ412096.1		
		<i>D. orientacea</i>	EU126456.1	<i>D. teissieri</i> (wSpt)	DQ412104.1	<i>D. ananassae</i> (wRi)	DQ412095.1		
		<i>D. testacea</i>	EU126448.1	<i>D. prosaltans</i>	DQ118779.1	<i>D. ananassae</i>	JQ518485.1		