



Phylogenetic tree diagram illustrating the relationships between various Diptera species, based on node numbers and species names:

- Node 1:** *Astartilia*? cf. *tumida*
- Node 2:** *Cypricardinia* sp.
- Node 3:** *Cypricardinia*? sp.
- Node 4:** *Vacunella* ex gr. *curvata*
- Node 5:** *Cosmomyia* sp. nov.
- Node 6:** *Undulomyia* sp. nov.
- Node 7:** *Prothyris elongatus*
- Node 8:** *Palaeoneillo parenica*
- Node 9:** *Solemyia* cf. *holmycodensis*
- Node 10:** *Modiolus* cf. *koneckii*
- Node 11:** *Dyasmia*? *elegans*
- Node 12:** *Sargiinolites lufkianovae*
- Node 13:** *Parallelodon* ex gr. *bimodoliratus*
- Node 14:** *Wilkingia verchojanica*
- Node 15:** *Myophossa subarbitra*
- Node 16:** *Wilkingia*? sp. nov.
- Node 17:** *Streblopteria* ex gr. *krasnoufimskensis*
- Node 18:** "Permorphorus" sp.
- Node 19:** *Vacunella praecurvata*
- Node 20:** *Nuculopsis* cf. *postolegi*
- Node 21:** *Nuculopsis* sp.
- Node 22:** *Lithophagæ* sp.
- Node 23:** *Pteronites* aff. *muticus*
- Node 24:** "Aviculopecten" *minius*
- Node 25:** "Aviculopecten" aff. *simense*
- Node 26:** *Streblopteria* sp.
- Node 27:** *Permorphorus oblongus*
- Node 28:** *Schizodus* cf. *sandimanensis*
- Node 29:** *Schizodus* aff. *tschernecki*
- Node 30:** *Sturchnina* ex gr. *costata*
- Node 31:** "Streblochondria" ex gr. *ufraensis*
- Node 32:** *Wilkingia* aff. *abramovi*
- Node 33:** *Mensmopteria permiana*
- Node 34:** "Aviculopecten" cf. *occidentalis*
- Node 35:** *Fasciiliconchæ*? sp.
- Node 36:** *Streblopteria* sp.
- Node 37:** *Streblopteria* sp. 2
- Node 38:** *Streblopteria* sp. nov.
- Node 39:** *Oriocrassaella victori*
- Node 40:** *Pyramus igori*
- Node 41:** *Vacunella* sp.
- Node 42:** *Verchojanogrammia sapironovi*
- Node 43:** *Undulomyia* sp. nov.
- Node 44:** *Omlolongpecten munugudakensis*
- Node 45:** cf.





20	<i>Myonia</i> sp. "Heteropecten" sp. nov. <i>Vnigriceps</i> sp. nov. <i>Septimyia</i> ? <i>karavajevae</i>
19	<i>Cigaretta</i> sp. <i>Aphanaea dilatata</i>
18	<i>Blaemopecten</i> sp. nov. <i>Schizodus subobscurus</i>
17	<i>Edmonia</i> sp.
16	<i>Kolymia churavitskii</i>
15	<i>Kolymia sinikiniformis</i>
14	<i>Aphanaea stepanovi</i>
13	<i>Aphanaea judomensis</i>
12	<i>Nuculopsis</i> aff. <i>wymerensis</i> 1 <i>Phestia omolonica</i> <i>Phestia</i> ex gr. <i>darwini</i> <i>Strebloptera</i> ex gr. <i>levius</i>
11	<i>Cyrtordastra</i> sp.
10	<i>Pseudomonotis</i> sp. <i>Schizodus rotundatus</i> <i>Schizodus texanus</i> <i>Stutchburya</i> sp.
9	<i>Solenonopha</i> ? sp. <i>Pachymyia</i> sp. nov. <i>Kolymia yuri</i> <i>Kolymie sinikini</i>
8	<i>Cyrtordastra aurita</i>
7	<i>Kolymie pergamentii</i>
6	<i>Kolymie nikolaewi</i>
5	<i>Myonia</i> ex gr. <i>karriensis</i> "Heteropecten" <i>orientalis</i>
4	<i>Permaphorus costatus</i>
3	<i>Wilkingia bulkurensis</i> <i>Atomodesma exaratum</i>
2	<i>Kolymie piononeica</i> <i>Kolymia ex gr. astafjevae</i> 1
1	<i>Kolymia taskanica</i> <i>Kolymie anaticula</i> <i>Kolymia inceramitiformis</i> <i>Phestia cumboides</i> <i>Conocardium</i> sp. <i>Kolymia pilicata</i> <i>Kolymia ? irregularis</i>

20	<i>Kolymia angusta</i>	
19	<i>Kolymia miranda</i>	
18	<i>Kolymia nebulae</i>	
17	<i>Kolymia rara</i>	
16	<i>Kolymia inoceramiformis</i>	
15	<i>Kolymia astafievae</i>	
14	<i>Kolymia posneri</i>	
13	<i>Mataiā sp.</i>	
12	<i>Mataiā kusnezovi</i>	
11	<i>Wilkingia sp.</i>	
10	<i>Wilkingia sp. (Менкя)</i>	
9	<i>Nuculopsis sp.</i>	
8	<i>Palaeoneilo ? sp.</i>	
7	<i>Solemya sp.</i>	
6	<i>Parallelodon sp.</i>	
5	<i>Modiolus cf. extensus</i>	
4	<i>Kolymia krasarenskoi</i>	
3	<i>Kolymia multiformis</i>	
2	<i>Kolymia aff. multiformis 1</i>	
1	<i>Kolymia aff. multiformis 2</i>	
	<i>Kolymia aff. multiformis 3</i>	
	<i>Kolymia sp.</i>	
	<i>Kolymia verchojanica</i>	
	<i>Taimyrcoelomia usitinskii</i>	
	<i>Atomodesma ex gr. exaratum</i>	
	<i>Cigarella licharewi</i>	
	<i>Cigarella ? vanvaae</i>	
	<i>Mataiā absoluta</i>	
	<i>Euenia lenaense</i>	
	<i>Okrhotodesma solominae</i>	
	<i>Okhotodesma sinensis</i>	
	<i>"Heteroplecten" cf. gryphi</i>	
	<i>"Heteroplecten" cf. gryphus</i>	
	<i>"Neptunoplecten" maslenikovi</i>	
	<i>Fasciculiconcha sp. nov.</i>	
	<i>Streblopteria sp.</i>	
	<i>"Cittidenedia" propria</i>	
	<i>"Stutchburya" sp. 1</i>	
	<i>"Stutchburya" sp. 2</i>	
	<i>Cypricardinia maslenikovi</i>	
	<i>Oriocassatella elongata</i>	
	<i>Pyramus sp.</i>	
	<i>Myonia aff. komiensis 1</i>	
	<i>Pachymomyia bulkentensis</i>	



		Cunavella etheridgeiformis
		Australomyia sulcataformis
		Intomodesma sp. 1
20	■	Maitaea sp. 2
	■	Strebloptera rotunda
		Maitaea huensis
		"Fasciculiconcha" tempo
		Prestia magna
		Pachymyonia bicarinata
		Nuculopsis sp.
		Intomodesma paracostatum
		Megadesmus ? sp. 2
		Solenomorpha ? sp.
		Nuculopsis aff. wymensis 2
		Intomodesma costatum
		Intomodesma bicarinatum
		Intomodesma turgidum
		Intomodesma "sartangensis"
		Maitaea regularicosta
		Vnigripecten volucer
		Guzhoupecten ? corrugatus
		Saturnopecten kusnezovi
		Obliquipecten sp.
		Deltopecten sp.
		Megadesmus borealis
		Cunavella ? dibika
		Willringia sp. 1
		Willringia sp. nov.
		Myenia gibbosa
		Pachymyonia bytanjaensis
		Praeundulomyia sinualis
		Conocardium robustum
		Intomodesma balygitschianum
		Modiolus sp.
		Promytilus sp.
		Maitaea sp. 3
		Intomodesma evenicum
		Cyrtostra sp.
		Etheripecten sp. nov.
		"Strebloptera" sp.
		Claraoides aff. primitivus
		Intomodesma postevenicum