

**Table 4. Host plant species data**

Family	Species	Growth form	Leaf size	Secondary chemical compounds	Relevant Papilionidae species
Aceraceae	<i>Acer spp.</i>	Tree, Shrub (261)	Wide (261)	Phenolic (147)	<i>P. canadensis</i> , <i>P. rutulus</i>
Anacardiaceae	<i>Pseudospondias microcarpa</i>	Tree (271)	Wide (189)		<i>P. demodocus</i> Kenya
	<i>Rhus hypoleuca</i>	Tree (144)	Wide (106)	Coumarin (286)	<i>P. bicolor</i>
Annonaceae	<i>Asimina angustifolia</i>	Shrub (261)	Wide (261)		<i>Eurytides marcellus</i>
	<i>Asimina incana</i>	Shrub (261)	Wide (261)		<i>Eurytides marcellus</i>
	<i>Asimina obovata</i>	Tree, Shrub (261)	Wide (261)		<i>Eurytides marcellus</i>
	<i>Asimina parviflora</i>	Tree, Shrub (261)	Wide (278)	Alkaloid, Amide (153)	<i>Eurytides marcellus</i>
	<i>Asimina pygmaea</i>	Shrub, Subshrub (261)	Wide (278)	Alkaloid, Amide (153)	<i>Eurytides marcellus</i>
	<i>Asimina reticulata</i>	Shrub (261)	Wide (278)	Alkaloid, Amide (153)	<i>Eurytides marcellus</i>
	<i>Asimina triloba</i>	Tree, Shrub (261)	Wide (278)	Alkaloid, Amide (153)	<i>Eurytides marcellus</i>
	<i>Oxandra lanceolata</i>	Tree (261)	Wide (70)	Alkaloid, Terpenoid (250, 287)	<i>Eurytides marcellus</i>
Aptiaceae	<i>Aegopodium podagraria</i>	Herb, perennial (261)	Wide (261)	Coumarin (185)	<i>P. machaon</i>
	<i>Aletes acaulis</i>	Herb, perennial (261)	Narrow (261)		<i>P. indra</i>
	<i>Ammi visnaga</i>	Herb, biennial (261)	Narrow (261)	Coumarin (165)	<i>P. machaon</i>
	<i>Anethum graveolens</i>	Herb, annual (261)	Narrow (261)	Coumarin (185)	<i>P. machaon</i> , <i>P. polyxenes</i> , <i>P. zeliccaon</i>
	<i>Angelica ampla</i>	Herb, perennial (261)	Narrow (261)	Coumarin (168)	<i>P. polyxenes</i> , <i>P. zeliccaon</i>
	<i>Angelica archangelica</i>	Herb, perennial (258)	Wide (8)	Coumarin (185)	<i>P. machaon</i> , <i>P. m. hippocrates</i>
	<i>Angelica arguta</i>	Herb, perennial (261)	Wide (261)	Coumarin (168)	<i>P. zeliccaon</i>
	<i>Angelica atropurpurea</i>	Herb, perennial (261)	Wide (261)	Coumarin (24)	<i>P. polyxenes</i>
	<i>Angelica hendersonii</i>	Herb, perennial (261)	Wide (261)	Coumarin (272)	<i>P. zeliccaon</i>
	<i>Angelica kingii</i>	Herb, perennial (261)	Wide (261)	Coumarin (168)	<i>P. zeliccaon</i>
	<i>Angelica lineariloba</i>	Herb, perennial (261)	Narrow (261)	Coumarin (168)	<i>P. zeliccaon</i>
	<i>Angelica lucida</i>	Herb, perennial (261)	Wide (261)	Coumarin (168)	<i>P. zeliccaon</i>
	<i>Angelica sylvestris</i>	Herb, perennial (261)	Wide (8)	Coumarin (168)	<i>P. machaon</i>

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	<i>Angelica tomentosa</i>	Herb, perennial (261)	Wide (261)	Coumarin (168)	<i>P. zelicaon</i>
	<i>Angelica venenosa</i>	Herb, perennial (261)	Narrow (261)	Coumarin (168)	<i>P. polyxenes</i>
	<i>Apium graveolens</i>	Herb, perennial (261)	Narrow (8)	Coumarin (157)	<i>P. polyxenes, P. zelicaon</i>
	<i>Berula erecta</i>	Herb, perennial (261)	Wide (8)		<i>P. polyxenes</i>
Apiaceae	<i>Bupleurum falcatum</i>	Herb, perennial (258)	Narrow (8)	Coumarin (198)	<i>P. machaon</i>
	<i>Bupleurum fruticosum</i>	Shrub (258)	Narrow (8)		<i>P. machaon</i>
	<i>Carum carvi</i>	Herb, biennial/perennial (261)	Narrow (8)	Coumarin (17)	<i>P. machaon, P. polyxenes, P. zelicaon</i>
	<i>Cicuta bulbifera</i>	Herb, perennial (261)	Narrow (261)	Coumarin (24)	<i>P. polyxenes</i>
	<i>Cicuta douglasii</i>	Herb, perennial (261)	Wide (261)	Coumarin (176)	<i>P. polyxenes</i>
	<i>Cicuta maculata</i>	Herb, biennial/perennial (261)	Narrow (261)	Coumarin (24)	<i>P. polyxenes, P. zelicaon</i>
	<i>Contoselinum scopulorum</i>	Herb, perennial (261)	Narrow (261)		<i>P. zelicaon</i>
	<i>Conium maculatum</i>	Herb, biennial (261)	Narrow (261)	Coumarin (24)	<i>P. polyxenes, P. zelicaon</i>
	<i>Critinum maritimum</i>	Shrub, herb (258)	Narrow (8)	Coumarin, Terpenoid (37)	<i>P. machaon</i>
	<i>Cryptotaenia canadensis</i>	Herb, perennial (261)	Wide (261)	Terpenoid (219)	<i>P. polyxenes</i>
	<i>Cymopterus panamintensis</i>	Herb, perennial (261)	Wide (261)	Coumarin (282)	<i>P. indra, P. polyxenes</i>
	<i>Cymopterus purpureus</i>	Herb, perennial (261)	Narrow (261)		<i>P. indra</i>
	<i>Daucus carota</i>	Herb, biennial (261)	Narrow (261)	Coumarin, Terpenoid (34)	<i>P. machaon, P. m. hippocrates, P. polyxenes, P. zelicaon</i>
	<i>Daucus pusillus</i>	Herb, annual (261)	Narrow (40)	Coumarin, Terpenoid (34)	<i>P. polyxenes, P. zelicaon</i>
	<i>Falcaria vulgaris</i>	Herb, perennial (261)	Narrow (8)	Coumarin, Phenolic (77, 289)	<i>P. alexanor, P. machaon</i>
	<i>Ferula communis</i>	Shrub, herb (258)	Narrow (8)	Coumarin (291)	<i>P. alexanor, P. hospiton, P. machaon</i>
	<i>Ferula karategina</i>	Herb (229)	Narrow (8)	Coumarin (291)	<i>P. alexanor</i>
	<i>Ferula ugamica</i>	Shrub, herb (229)	Narrow (8)	Coumarin (291)	<i>P. alexanor</i>

Family	Species	Growth form	Leaf size	Secondary chemical compounds	Relevant Papilionidae species
	<i>Foeniculum vulgare</i>	Herb, biennial/perennial (261)	Narrow (261)	Coumarin (2)	<i>P. demodocus</i> South Africa, <i>P. machaon</i> , <i>P. m. hippocrates</i> , <i>P. polyxenes</i> , <i>P. zelicaon</i>
	<i>Harbouria trachypleura</i>	Herb, perennial (261)	Narrow (261)	Coumarin (95)	<i>P. indra</i> , <i>P. polyxenes</i> , <i>P. zelicaon</i>
	<i>Heracleum lanatum</i>	Herb, perennial (261)	Wide (261)	Coumarin (24)	<i>P. machaon hippocrates</i> <i>P. m. oregonius</i> , <i>P. polyxenes</i> , <i>P. zelicaon</i>
Apiaceae	<i>Heracleum sphondylium</i>	Herb, perennial (261)	Wide (261)	Coumarin (24)	<i>P. machaon</i> , <i>P. zelicaon</i>
	<i>Laserpitium halleri</i>	Herb, perennial (258)	Narrow (8)	Terpenoid (10)	<i>P. machaon</i>
	<i>Laserpitium latifolium</i>	Herb, perennial (258)	Wide (8)	Phenolic, Terpenoid (161, 264)	<i>P. machaon</i>
	<i>Levisticum officinale</i>	Herb, perennial (261)	Wide (8)	Coumarin (185)	<i>P. machaon</i> , <i>P. polyxenes</i>
	<i>Ligusticum grayi</i>	Herb, perennial (261)	Wide (261)	Coumarin (202)	<i>P. zelicaon</i>
	<i>Ligusticum porteri</i>	Herb, perennial (261)	Narrow (261)	Coumarin (202)	<i>P. zelicaon</i>
	<i>Ligusticum scoticum</i>	Herb, perennial (261)	Wide (261)		<i>P. polyxenes</i>
	<i>Lomatium californicum</i>	Herb, perennial (261)	Narrow (261)	Coumarin (263)	<i>P. zelicaon</i>
	<i>Lomatium dasycarpum</i>	Herb, perennial (261)	Narrow (40)	Coumarin (263)	<i>P. zelicaon</i>
	<i>Lomatium dissectum</i>	Herb, perennial (261)	Narrow (261)	Coumarin (263)	<i>P. indra</i> , <i>P. zelicaon</i>
	<i>Lomatium eastwoodii</i>	Herb, perennial (261)	Narrow (261)	Coumarin (263)	<i>P. indra</i>
	<i>Lomatium grayi</i>	Herb, perennial (261)	Narrow (261)	Coumarin (263)	<i>P. indra</i> , <i>P. zelicaon</i>
	<i>Lomatium junceum</i>	Herb, perennial (261)	Narrow (261)	Coumarin (263)	<i>P. indra</i>
	<i>Lomatium latilobum</i>	Herb, perennial (261)	Narrow (261)	Coumarin (263)	<i>P. indra</i>
	<i>Lomatium lucidum</i>	Herb, perennial (261)	Wide (40)	Coumarin (263)	<i>P. indra</i>
	<i>Lomatium marginatum</i>	Herb, perennial (261)	Narrow (261)	Coumarin (263)	<i>P. indra</i> , <i>P. zelicaon</i>
	<i>Lomatium nuttallii</i>	Herb, perennial (261)	Narrow (261)	Coumarin (141)	<i>P. indra</i> , <i>P. zelicaon</i>
	<i>Lomatium parryi</i>	Herb, perennial (261)	Narrow (261)	Coumarin (263)	<i>P. indra</i> , <i>P. zelicaon</i>
	<i>Lomatium scabrum</i>	Herb, perennial (261)	Narrow (261)	Coumarin (263)	<i>P. indra</i>

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	<i>Lomatium triternatum</i>	Herb, perennial (261)	Narrow (261)	Coumarin (263)	<i>P.indra</i> , <i>P.zelicaon</i>
	<i>Lomatium utriculatum</i>	Herb, perennial (261)	Narrow (261)	Coumarin (263)	<i>P.zelicaon</i>
	<i>Meum athamanticum</i>	Herb, perennial (258)	Narrow (8)	Terpenoid (191)	<i>P.machaon</i>
	<i>Oenanthe sarmentosa</i>	Herb, perennial (261)	Wide (40)	Coumarin (244)	<i>P.zelicaon</i>
	<i>Opopanax chironium</i>	Herb, perennial (258)	Narrow (8)	Coumarin (11)	<i>P.alexanor</i>
	<i>Opopanax hispidus</i>	Herb, perennial (258)	Narrow (94)	Coumarin (11)	<i>P.alexanor</i>
	<i>Osmorhiza longistylis</i>	Herb, perennial (261)	Wide (261)	Coumarin (107)	<i>P.polyxenes</i>
	<i>Oxyopolis cambyi</i>	Herb, perennial (261)	Narrow (208)		<i>P.polyxenes</i>
	<i>Pastinaca sativa</i>	Herb, biennial/perennial (261)	Wide (8)	Coumarin (24)	<i>P.alexanor</i> , <i>P.machaon</i> <i>hippocrates</i> , <i>P.polyxenes</i> , <i>P.zelicaon</i>
	<i>Perideridia bolanderi</i>	Herb, perennial (261)	Narrow (261)	Flavonoid (83)	<i>P.zelicaon</i>
Apiaceae	<i>Perideridia gairdneri</i>	Herb, perennial (261)	Narrow (188)	Flavonoid (83)	<i>P.zelicaon</i>
	<i>Perideridia kelloggii</i>	Herb, perennial (261)	Narrow (59)	Flavonoid (83)	<i>P.zelicaon</i>
	<i>Petroselinum crispum</i>	Herb, annual/biennial (261)	Narrow (261)	Coumarin (185)	<i>P.machaon</i> , <i>P.polyxenes</i> , <i>P.zelicaon</i>
	<i>Peucedanum cervaria</i>	Herb, perennial (258)	Narrow (8)	Coumarin (19)	<i>P.machaon</i>
	<i>Peucedanum officinale</i>	Herb, perennial (258)	Narrow (261)	Coumarin (86)	<i>P.machaon</i>
	<i>Peucedanum oreoselinum</i>	Herb, perennial (258)	Narrow (8)	Coumarin (96)	<i>P.machaon</i>
	<i>Peucedanum palustre</i>	Herb, perennial (261)	Narrow (8)	Coumarin (185)	<i>P.machaon</i>
	<i>Peucedanum paniculatum</i>	Herb, perennial (258)	Narrow (8)	Coumarin (110)	<i>P.hospiton</i>
	<i>Pimpinella saxifraga</i>	Herb, perennial (261)	Narrow (8)	Coumarin (76)	<i>P.alexanor</i> , <i>P.machaon</i>
	<i>Pseudocymopterus montanus</i>	Herb, perennial (261)	Narrow (261)		<i>P.zelicaon</i>
	<i>Pteryxia hendersonii</i>	Herb, perennial (261)	Narrow (261)	Coumarin (249)	<i>P.indra</i> , <i>P.zelicaon</i>
	<i>Pteryxia petraea</i>	Herb, perennial (261)	Narrow (261)	Coumarin (249)	<i>P.indra</i> , <i>P.zelicaon</i>
	<i>Pteryxia terebinthina</i>	Herb, perennial (261)	Narrow (261)	Coumarin (249)	<i>P.indra</i> , <i>P.zelicaon</i>
	<i>Ptilimnium capillaceum</i>	Herb, annual (261)	Narrow (261)		<i>P.polyxenes</i>

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	<i>Pychothis saxifraga (heterophylla)</i>	Herb, biennial (258)	Narrow (94)	Terpenoid (167)	<i>P. alexanor</i>
	<i>Ridolfia segetum</i>	Herb, annual (258)	Narrow (260)	Terpenoid (190)	<i>P. machaon</i>
	<i>Scaligeria cretica</i>	Herb, biennial (258)	Narrow (260)		<i>P. alexanor</i>
	<i>Selinum carvifolia</i>	Herb, perennial (261)	Narrow (235)		<i>P. machaon</i>
	<i>Seseli dioicum</i>	Herb, perennial (258)	Narrow (8)	Coumarin, Terpenoid (253)	<i>P. alexanor</i>
	<i>Seseli libanotis</i>	Herb, biennial (261)	Narrow (8)	Coumarin (143)	<i>P. alexanor, P. machaon</i>
	<i>Seseli montanum</i>	Herb, perennial (258)	Narrow (8)	Coumarin (142)	<i>P. alexanor</i>
	<i>Seseli varium</i>	Herb, biennial/perennial (258)	Narrow (8)	Coumarin (216)	<i>P. machaon</i>
	<i>Silaum silaus</i>	Herb, perennial (258)	Narrow (235)	Terpenoid (28)	<i>P. machaon</i>
	<i>Sium suave</i>	Herb, perennial (261)	Wide (278)	Coumarin (24)	<i>P. polyxenes</i>
	<i>Spermolepis divaricata</i>	Herb, annual (261)	Narrow (261)		<i>P. polyxenes</i>
	<i>Sphenosciadium capitellatum</i>	Herb, perennial (261)	Wide (261)	Coumarin (141)	<i>P. zelicaon</i>
	<i>Taenidia integerrima</i>	Herb, perennial (261)	Wide (261)		<i>P. polyxenes</i>
Apiaceae	<i>Tauschia arguta</i>	Herb, perennial (261)	Wide (40)		<i>P. indra, P. polyxenes, P. zelicaon</i>
	<i>Tauschia parishii</i>	Herb, perennial (261)	Narrow (40)		<i>P. indra, P. polyxenes, P. zelicaon</i>
	<i>Thaspium barbinode</i>	Herb, perennial (261)	Wide (261)		<i>P. polyxenes</i>
	<i>Torilis heterophylla</i>	Herb, annual (261)	Narrow (261)		<i>P. alexanor</i>
	<i>Trinita glauca</i>	Herb, perennial (258)	Wide (235)	Phenolic (22)	<i>P. machaon</i>
	<i>Zizia aptera</i>	Herb, perennial (261)	Wide (261)	Coumarin (221)	<i>P. machaon oregonius, P. polyxenes, P. zelicaon</i>
	<i>Zizia aurea</i>	Herb, perennial (261)	Wide (261)	Coumarin (221)	<i>P. polyxenes</i>
Araceae	<i>Syngonium podophyllum</i>	Vine, perennial (261)	Wide (278)		<i>P. scamander, P. ithoas</i>
Aristolochiaceae	<i>Thottea bomeensis</i>	Shrub (109)	Wide (288)	Aristolochic acid (180)	<i>Pachilopta neptunus</i>
Asteraceae	<i>Artemisia dracunculus</i>	Shrub, subshrub, herb (261)	Narrow (261)	Phenolic (186)	<i>P. machaon oregonius</i>
	<i>Artemisia norvegica</i>	Shrub, subshrub (261)	Narrow (261)	Phenolic (186)	<i>P. machaon oregonius</i>

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Betulaceae	<i>Alnus crispa</i>	Tree, Shrub (261)	Wide (261)	Phenolic (51)	<i>P. rutulus</i>
	<i>Alnus incana</i>	Tree, Shrub (261)	Wide (8)	Phenolic (111)	<i>P. glaucus</i>
	<i>Alnus rubra</i>	Tree (261)	Wide (261)	Phenolic (87)	<i>P. rutulus</i>
	<i>Alnus rugosa</i>	Tree, Shrub (261)	Wide (261)	Phenolic (248)	<i>P. canadensis</i>
	<i>Alnus tenuifolia</i>	Tree, Shrub (261)	Wide (261)	Phenolic (248)	<i>P. rutulus</i>
	<i>Alnus viridis</i>	Tree, Shrub (261)	Wide (261)	Phenolic (248)	<i>P. rutulus</i>
	<i>Betula alleghaniensis</i>	Tree (261)	Wide (261)	Phenolic (21)	<i>P. canadensis</i>
	<i>Betula lenta</i>	Tree (261)	Wide (74)	Phenolic (227)	<i>P. canadensis</i>
	<i>Betula papyrifera</i>	Tree (261)	Wide (74)	Phenolic (227)	<i>P. canadensis, P. rutulus</i>
	<i>Betula pendula</i>	Tree (261)	Wide (74)		<i>P. canadensis</i>
Ericaceae	<i>Carpinus caroliniana</i>	Tree, Shrub (261)	Wide (74)	Phenolic (209)	<i>P. glaucus</i>
	<i>Corylus spp.</i>	Tree, Shrub (261)	Wide (74)	Phenolic (7)	<i>P. canadensis</i>
	<i>Catalpa bignonioides</i>	Tree (261)	Wide (278)	Iridoid (151)	<i>P. glaucus</i>
	<i>Warburgia ugandensis</i>	Tree (55)	Wide (27)	Flavonoid (152)	<i>P. nobilis</i>
	<i>Vaccinium smallii</i>	Shrub, small (184)	Wide (79)	Flavonoid (49)	<i>P. machaon hippocrates</i>
	<i>Cullen australasicum</i>	Herb, perennial (20)	Narrow (174)	Coumarin (31)	<i>P. demoleus sthenelus</i>
	<i>Cullen badocanum</i>	Shrub, subshrub (20)	Narrow (89)	Coumarin (31)	<i>P. demoleus sthenelus</i>
	<i>Cullen balsamicum</i>	Shrub, small Tree (89)	Narrow (89)	Coumarin (31)	<i>P. demoleus sthenelus</i>
	<i>Cullen cinereum</i>	Herb, perennial (20)	Wide (174)	Coumarin (31)	<i>P. demoleus sthenelus</i>
	<i>Cullen patens</i>	Herb, perennial (20)	Narrow (174)	Coumarin (31)	<i>P. demoleus sthenelus</i>
Fabaceae	<i>Cullen pustulatum</i>	Subshrub (20)	Narrow (89)	Coumarin (113)	<i>P. demoleus sthenelus</i>
	<i>Cullen tenax</i>	Herb, perennial (20)	Narrow (174)	Coumarin (31)	<i>P. demoleus sthenelus</i>
	<i>Hernandia didymantha</i>	Tree (45)	Wide (70)	Alkaloid (279)	<i>P. birchalli</i>
	<i>Carya spp.</i>	Tree (261)	Wide (288)	Flavonoid (53)	<i>P. canadensis, P. glaucus, P. rutulus</i>
	<i>Cinnamomum camphora</i>	Tree (109)	Wide (278)	Coumarin (228)	<i>P. epycides, P. glaucus, P. troilus</i>

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	<i>Cinnamomum iners</i>	Tree (109)		Coumarin (228)	<i>P. clytia</i>
	<i>Cryptocarya aschersontiana</i>	Tree (163)	Wide (70)	Terpenoid (175)	<i>P. scamander</i>
	<i>Lindera benzoin</i>	Tree, Shrub (261)	Wide (278)	Alkaloid (18)	<i>P. glaucus, P. troilus</i>
	<i>Litsea glaucescens</i>	Tree, Shrub (256)	Wide (70)	Flavonoid (148)	<i>P. pilumnus</i>
	<i>Litsea glutinosa</i>	Tree, small (109)		Alkaloid (101)	<i>P. clytia</i>
	<i>Litsea sebifera</i>	Tree, bushy (210)	Wide (210)	Alkaloid (232)	<i>P. clytia</i>
	<i>Nectandra spp.</i>	Tree, Shrub (261)	Wide (70)	Alkaloid (164)	<i>P. scamander</i>
	<i>Ocotea pretiosa</i>	Tree (70)	Wide (70)	Terpenoid (104)	<i>P. scamander</i>
	<i>Persea americana</i>	Tree (261)	Wide (70)	Phenolic (200)	<i>P. garamas, P. rutulus, P. scamander</i>
	<i>Persea borbonia</i>	Tree, Shrub (261)	Wide (278)	Terpenoid (257)	<i>P. palamedes, P. troilus</i>
	<i>Persea rigida</i>	Tree, Shrub (135)	Wide (135)	Terpenoid (257)	<i>P. scamander</i>
	<i>Persea rufescens</i>	Tree (149)	Wide (149)	Terpenoid (257)	<i>P. garamas, P. scamander</i>
	<i>Sassafras albidum</i>	Tree, Shrub (261)	Wide (278)	Flavanoid, Terpenoid (203)	<i>P. glaucus, P. palamedes, P. troilus</i>
Magnoliaceae	<i>Liriodendron tulipifera</i>	Tree (261)	Wide (278)	Alkaloid (290)	<i>P. glaucus, P. troilus</i>
	<i>Magnolia acuminata</i>	Tree (261)	Wide (278)	Alkaloid (130)	<i>P. glaucus</i>
	<i>Magnolia dealbata</i>	Tree (261)	Wide (261)	Coumarin, Terpenoid (280)	<i>P. esperanza, P. garamas</i>
	<i>Magnolia virginiana</i>	Tree, Shrub (261)	Wide (278)	Coumarin, Terpenoid (280, 181)	<i>P. glaucus, P. troilus</i>
	<i>Talauma ovata</i>	Tree (207)	Wide (70)	Neolignan (236)	<i>P. scamander</i>
Oleaceae	<i>Fraxinus americana</i>	Tree (261)	Wide (278)	Iridoid (245)	<i>P. canadensis, P. glaucus</i>
	<i>Fraxinus anomala</i>	Tree, Shrub (261)	Wide (261)	Iridoid (245)	<i>P. multicaudatus</i>
	<i>Fraxinus caroliniana</i>	Tree, Shrub (261)	Wide (278)	Iridoid (245)	<i>P. glaucus</i>
	<i>Fraxinus latifolia</i>	Tree (261)	Wide (261)	Iridoid (245)	<i>P. multicaudatus</i>
	<i>Fraxinus nigra</i>	Tree (261)	Wide (261)	Iridoid (245)	<i>P. glaucus</i>
	<i>Fraxinus oregonius</i>	Tree (261)	Wide (261)	Iridoid (245)	<i>P. multicaudatus</i>

Family	Species	Growth form	Leaf size	Secondary chemical compounds	Relevant Papilionidae species
	<i>Fraxinus pennsylvanica</i>	Tree (261)	Wide (278)	Iridoid (245)	<i>P. canadensis</i> , <i>P. glaucus</i> , <i>P. multicaudatus</i>
	<i>Fraxinus viridis</i>	Tree (261)	Wide (261)		<i>P. multicaudatus</i>
	<i>Ligustrum lucidum</i>	Tree, Shrub (261)	Wide (278)	Alkaloid (215)	<i>P. multicaudatus</i>
	<i>Ligustrum vulgare</i>	Shrub (261)	Wide (235)	Iridoid, Phenolic (213)	<i>P. multicaudatus</i>
	<i>Syringa vulgaris</i>	Shrub (261)	Wide (235)	Alkaloid, Coumarin (136)	<i>P. canadensis</i> , <i>P. glaucus</i> , <i>P. rutulus</i>
Piperaceae	<i>Piper aduncum</i>	Tree, Shrub (261)	Wide (70)	Alkaloid, Phenolic (193)	<i>P. thoas</i>
	<i>Piper amalago</i>	Tree, Shrub (261)	Wide (70)	Alkaloid (121)	<i>P. hectorides</i> , <i>P. thoas</i>
	<i>Piper auritum</i>	Tree (261)	Wide (70)	Alkaloid, Phenolic (97)	<i>P. thoas</i>
	<i>Piper karberi</i>	Tree (70)	Wide (70)	Alkaloid (121)	<i>P. thoas</i>
	<i>Piper marginatum</i>	Tree, Shrub (261)	Wide (70)	Alkaloid (218)	<i>P. thoas</i>
	<i>Piper multiplinervium</i>	Shrub (45)	Wide (70)	Alkaloid (121)	<i>P. thoas</i>
	<i>Piper reticulatum</i>	Tree, Shrub (207)	Wide (70)	Alkaloid (154)	<i>P. thoas</i>
	<i>Piper sancti-felices</i>	Shrub (207)	Wide (70)	Alkaloid (121)	<i>P. thoas</i>
	<i>Piper tuberculatum</i>	Tree, Shrub (261)	Wide (70)	Alkaloid (56)	<i>P. thoas</i>
	<i>Piper xylosteoides</i>	Tree, Shrub (70)	Wide (70)	Alkaloid (121)	<i>P. hectorides</i> , <i>P. thoas</i>
	<i>Pothomorphe peltata</i>	Shrub, Subshrub, Herb (261)	Wide (70)	Phenolic (162)	<i>P. thoas</i>
Platanaceae	<i>Platanus racemosa</i>	Tree (261)	Wide (40)	Coumarin, Phenolic (159)	<i>P. multicaudatus</i> , <i>P. rutulus</i>
Populaceae	<i>Populus angustifolia</i>	Tree (261)	Wide (261)	Phenolic (204)	<i>P. rutulus</i>
	<i>Populus balsamifera</i>	Tree (261)	Wide (278)	Phenolic (194)	<i>P. canadensis</i> , <i>P. rutulus</i>
	<i>Populus deltoides</i>	Tree (261)	Wide (278)	Phenolic (146)	<i>P. glaucus</i>
	<i>Populus grandidentata</i>	Tree (261)	Wide (261)	Phenolic (68)	<i>P. canadensis</i>
	<i>Populus tremuloides</i>	Tree (261)	Wide (261)	Phenolic (52)	<i>P. canadensis</i> , <i>P. glaucus</i> , <i>P. rutulus</i>
	<i>Populus trichocarpa</i>	Tree (261)	Wide (261)	Phenolic (194)	<i>P. rutulus</i>
Rosaceae	<i>Amelanchier canadensis</i>	Tree, Shrub (261)	Wide (261)	Phenolic (222)	<i>P. canadensis</i>



Family	Species	Growth form	Leaf size	Secondary chemical compounds	Relevant Papilionidae species
	<i>Cydonia oblonga</i>	Tree, Shrub (261)	Wide (235)	Phenolic (231)	<i>P. glaucus</i>
	<i>Malus pumila</i>	Tree (261)	Wide (261)	Phenolic (112)	<i>P. canadensis, P. glaucus, P. rutulus</i>
	<i>Prunus americana</i>	Tree, Shrub (261)	Wide (261)	Phenolic (3)	<i>P. glaucus, P. multicaudatus, P. rutulus</i>
	<i>Prunus armenitaca</i>	Tree (261)	Wide (261)	Phenolic (158)	<i>P. rutulus, Iphiclides podalirius</i>
	<i>Prunus capuli</i>	Tree, Shrub (261)	Wide (261)	Phenolic (187)	<i>P. multicaudatus</i>
	<i>Prunus caroliniana</i>	Tree, Shrub (261)	Wide (261)	Phenolic (99)	<i>P. rutulus</i>
	<i>Prunus cerasus</i>	Tree, Shrub (261)	Wide (235)	Phenolic (255)	<i>P. canadensis, P. glaucus, P. multicaudatus, P. rutulus</i>
	<i>Prunus domestica</i>	Tree (261)	Wide (235)	Phenolic (265)	<i>P. glaucus, P. rutulus, Iphiclides podalirius</i>
	<i>Prunus emarginata</i>	Tree, Shrub (261)	Wide (261)	Phenolic (212)	<i>P. multicaudatus, P. rutulus</i>
	<i>Prunus ilicifolia</i>	Tree, Shrub (261)	Wide (261)	Cyanogenic glycosides (217)	<i>P. rutulus</i>
	<i>Prunus pennsylvanica</i>	Tree, Shrub (261)	Wide (261)		<i>P. canadensis, P. glaucus</i>
	<i>Prunus persica</i>	Tree (261)	Wide (235)	Phenolic (41)	<i>P. canadensis, P. rutulus, Iphiclides podalirius</i>
	<i>Prunus serotina</i>	Tree, Shrub (261)	Wide (235)	Cyanogenic glycosides (217)	<i>P. canadensis, P. glaucus</i>
Rosaceae	<i>Prunus virginiana</i>	Tree, Shrub (261)	Wide (261)	Cyanogenic glycosides (217)	<i>P. canadensis, P. glaucus, P. multicaudatus, P. rutulus</i>
	<i>Sorbus americana</i>	Tree, Shrub (261)	Wide (261)	Phenolic (173)	<i>P. canadensis</i>
	<i>Vauquelinia californica</i>	Tree, Shrub (261)	Wide (261)		<i>P. multicaudatus</i>
Rutaceae	<i>Aegle marmelos</i>	Tree (39)	Wide (259)	Terpenoid, Alkaloid, Coumarin (131, 230)	<i>P. demoleus malayanus, P. polytes</i>
	<i>Aegle sepiario</i>	Tree (234)	Wide (234)	Coumarin (131)	<i>P. xuthus</i>
	<i>Amyris elemifera</i>	Tree, Shrub (261)	Wide (70)	Coumarin (38)	<i>P. cressphontes</i>
	<i>Atalantia buxifolia</i>	Shrub, small (42)	Wide (288)	Coumarin (91)	<i>P. helenus</i>

Family	Species	Growth form	Leaf size	Secondary chemical compounds	Relevant Papilionidae species
	<i>Atalantia spinosa</i>	Tree (237)		Coumarin (91)	<i>P. polytes</i>
	<i>Calodendron capensis</i>	Tree (238)			<i>P. demodocus</i> Kenya
	<i>Calodendron spp.</i>				<i>P. rex</i>
	<i>Casimiroa edulis</i>	Tree (14)	Wide (70)	Coumarin (82)	<i>P. crespfontes</i>
	<i>Choisya dumosa</i>	Shrub (261)	Narrow (261)	Alkaloid (155)	<i>P. anchisiades</i>
	<i>Citrus aurantiaca</i>	Tree, Shrub (70)	Wide (70)	Coumarin (98)	<i>P. anchisiades, P. erostratus</i>
	<i>Citrus aurantium</i>	Tree, Shrub (261)	Wide (70)	Coumarin (98)	<i>P. crespfontes, P. helenus, P. xuthus</i>
	<i>Citrus australasica</i>	Tree, small (20)	Wide (174)	Terpenoid (35)	<i>P. aegeus, P. anactus</i>
	<i>Citrus australis</i>	Shrub, small Tree (78)	Wide (259)	Terpenoid (35)	<i>P. aegeus, P. anactus, P. demoleus malayanus, P. demoleus sthenelus</i>
	<i>Citrus deliciosa</i>	Shrub, small Tree (237)	Wide (259)	Coumarin (247)	<i>P. demoleus malayanus, P. polytes, P. protenor</i>
	<i>Citrus depressa</i>	Shrub, small Tree (43)	Wide (259)	Alkaloid (277)	<i>P. bianor, P. helenus</i>
	<i>Citrus garrawayae</i>	Shrub (26)	Wide (259)	Coumarin (98)	<i>P. aegeus, P. anactus</i>
	<i>Citrus glauca</i>	Tree, Shrub (26)	Wide (174)	Terpenoid (35)	<i>P. anactus</i>
	<i>Citrus inodora</i>	Shrub, Tall (20)	Wide (259)	Terpenoid (35)	<i>P. aegeus, P. anactus</i>
	<i>Citrus junos</i>	Tree, small (243)	Wide (259)	Alkaloid (126)	<i>P. bianor, P. helenus, P. memnon, P. protenor, P. xuthus</i>
Rutaceae	<i>Citrus limon</i>	Tree, Shrub (261)	Wide (261)	Coumarin (2)	<i>P. anchisiades, P. asiyalus, P. crespfontes, P. demoleus malayanus, P. erostratus, P. hectorides, P. polytes, P. protenor, P. thoas, P. torquatus, P. xuthus</i>
	<i>Citrus limonia</i>	Tree, Shrub (261)	Wide (261)	Coumarin (2)	<i>P. helenus</i>

Family	Species	Growth form	Leaf size	Secondary chemical compounds	Relevant Papilionidae species
	<i>Citrus maxima</i>	Tree, Shrub (261)	Wide (70)	Alkaloid, Coumarin (69, 276)	<i>P. helenus</i>
	<i>Citrus microcarpa</i>	Tree, shrub (237)	Wide (259)	Coumarin (98)	<i>P. bianor, P. helenus</i>
	<i>Citrus natsudaoides</i>	Tree (259)	Wide (259)	Coumarin (283)	<i>P. helenus, P. memnon, P. protenor, P. xuthus</i>
	<i>Citrus nobilis</i>	Tree, small (243)	Wide (259)	Phenolic (275)	<i>P. xuthus</i>
	<i>Citrus obovoidea</i>	Tree (259)	Wide (259)	Coumarin (98)	<i>P. xuthus</i>
	<i>Citrus paradisi</i>	Tree, Shrub (39)	Wide (261)	Coumarin (156, 160)	<i>P. helenus</i>
	<i>Citrus reticulata</i>	Tree, Shrub (261)	Wide (70)	Coumarin (284, 214)	<i>P. asybalus, P. hectorides, P. helenus, P. thoas</i>
	<i>Citrus sinensis</i>	Tree, Shrub (261)	Wide (70)	Coumarin (98)	<i>P. anchisiades, P. asybalus, P. cresphontes, P. erostratus, P. hectorides, P. helenus, P. memnon, P. thoas, P. torquatus</i>
	<i>Citrus tachibana</i>	Tree (184)	Wide (259)		<i>P. bianor, P. helenus</i>
	<i>Citrus tamurana</i>	Tree (259)	Wide (259)	Coumarin (127)	<i>P. xuthus</i>
	<i>Clausena anisata</i>	Shrub, small Tree (271)	Wide (108)	Coumarin (178)	<i>P. demodocus Kenya, P. lormieri</i>
	<i>Clausena brevistyla</i>	Shrub (20)	Wide (259)	Coumarin (125)	<i>P. aegeus</i>
	<i>Clausena excavata</i>	Shrub (109)	Wide (75)	Coumarin (118)	<i>P. polytes</i>
	<i>Clausena inaequalis</i>	Shrub, small Tree (27)	Wide (259)	Coumarin (134)	<i>P. demodocus Kenya</i>
	<i>Clausena lansium</i>	Tree, Evergreen (192)	Wide (259)	Coumarin (145)	<i>P. helenus</i>
	<i>Clausena willdenovii</i>	Tree, small (80)	Wide (259)	Coumarin (134)	<i>P. bianor, P. nephelus</i>
Rutaceae	<i>Dictamnus albus</i>	Herb, perennial (261)	Wide (261)	Coumarin (120)	<i>P. cresphontes, P. machaon, P. polyxenes</i>
	<i>Dinosperma erythrocoeca</i>	Tree (102)	Wide (102)	Amide, Coumarin (139)	<i>P. aegeus</i>
	<i>Dinosperma melanophloia</i>	Tree (102)	Wide (102)	Amide, Coumarin (140)	<i>P. aegeus</i>
	<i>Eremocitrus glauca</i>	Shrub (20)	Narrow (259)	Coumarin (64)	<i>P. anactus</i>

Family	Species	Growth form	Leaf size	Secondary chemical compounds	Relevant Papilionidae species
	<i>Eriostemon australasius</i>	Shrub (23)	Narrow (174)	Alkaloid, Coumarin (54)	<i>P. aegeus</i>
	<i>Esenbeckia febrifuga</i>	Tree, Shrub (129)	Wide (177)	Coumarin (172)	<i>P. anchistoides, P. asyctalus, P. thoas, P. torquatus</i>
	<i>Esenbeckia leiocarpa</i>	Tree (129)	Wide (177)	Alkaloid, Coumarin (171)	<i>P. anchistoides, P. asyctalus, P. thoas, P. torquatus</i>
	<i>Euodia danielli</i>	Tree (109)	Wide (79)	Phenolic, Coumarin (281)	<i>P. bianor</i>
	<i>Euodia glabrifolia</i>			Coumarin (262)	<i>P. bianor, P. helenus</i>
	<i>Euodia lepta</i>	Tree, small (43)	Wide (106)	Coumarin (262)	<i>P. bianor</i>
	<i>Euxylophora paraensis</i>	Tree (233)		Alkaloid (128)	<i>P. hectorides, P. torquatus</i>
	<i>Evodia glauca</i>	Tree (109)	Wide (259)	Terpenoid (169)	<i>P. bianor, P. helenus, P. maaekii, P. nephelus, P. paris, P. polytes, P. protenor, P. xuthus</i>
	<i>Evodia merrillii</i>	Tree, Evergreen (177)	Wide (177)	Terpenoid (12)	<i>P. paris</i>
	<i>Evodia roxburghiana</i>	Tree, Evergreen, small (237)	Wide (288)	Terpenoid (12)	<i>P. paris</i>
	<i>Evodia rutaecarpa</i>	Tree (79)	Wide (79)	Terpenoid (12)	<i>P. protenor, P. xuthus</i>
	<i>Evodia semecarpifolia</i>	Tree (109)	Wide (79)	Terpenoid (12)	<i>P. paris</i>
	<i>Fagaropsis angolensis</i>	Tree (84)	Wide (108)	Alkaloid (133)	<i>P. demodocus Kenya</i>
	<i>Flindersia australis</i>	Tree (150)	Wide (33)	Coumarin (206)	<i>P. aegeus</i>
	<i>Flindersia bennettii</i>	Tree (150)	Wide (33)	Coumarin (206)	<i>P. aegeus</i>
	<i>Flindersia collina</i>	Tree (100)	Wide (33)	Coumarin (9)	<i>P. aegeus</i>
	<i>Flindersia ijflaiana</i>	Tree (78)		Alkaloid (90)	<i>P. aegeus</i>
	<i>Flindersia laevicarpa</i>	Tree (78)		Terpenoid (196)	<i>P. aegeus</i>
	<i>Flindersia oppositifolia</i>			Alkaloid (32)	<i>P. aegeus</i>
	<i>Flindersia pimenteliana</i>	Tree (78)		Alkaloid (32)	<i>P. aegeus</i>
Rutaceae	<i>Flindersia schottiana</i>	Tree (150)		Alkaloid (105)	<i>P. aegeus</i>
	<i>Fortunella hindsii</i>	Tree, Shrub (243)		Flavanoid (183)	<i>P. helenus</i>

Family	Species	Growth form	Leaf size	Secondary chemical compounds	Relevant Papilionidae species
	<i>Fortunella japonica</i>	Shrub (261)	Wide (261)	Flavanoid (183)	<i>P. helenus, P. memnon, P. protenor</i>
	<i>Gejera parviflora</i>	Tree, Small / Shrub, Tall (20)	Wide (15)	Coumarin (65)	<i>P. aegaeus, P. anactus</i>
	<i>Gejera salicifolia</i>	Tree, Small / Shrub, Tall (20)	Wide (15)	Alkaloid, Coumarin (124, 138)	<i>P. aegaeus</i>
	<i>Glycosmis cochinchinensis</i>	Shrub (137)	Wide (288)	Alkaloid (117)	<i>P. polytes</i>
	<i>Glycosmis parviflora</i>	Tree, small, Shrub (109)	Wide (79)	Alkaloid (119)	<i>P. helenus, P. polytes</i>
	<i>Halfordia</i> spp.	Tree, small (20)		Alkaloid, Coumarin (103, 240)	<i>P. aegaeus</i>
	<i>Haplophyllum balcanicum</i>	Herb, perennial (258)	Narrow (260)	Coumarin (85)	<i>P. machaon</i>
	<i>Haplophyllum linifolium</i>	Herb, perennial (258)	Narrow (260)	Coumarin (85)	<i>P. machaon</i>
	<i>Haplophyllum tuberculatum</i>	Herb, perennial (254)	Narrow (260)	Alkaloid (5)	<i>P. machaon</i>
	<i>Helictia</i> spp.	Tree, Shrub (261)	Wide (261)	Alkaloid, Coumarin (60)	<i>P. hectorides</i>
	<i>Leionema ambiens</i>	Shrub (270)	Wide (174)		<i>P. aegaeus</i>
	<i>Leionema dentatum</i>	Shrub, small Tree (270)	Wide (174)		<i>P. aegaeus</i>
	<i>Micromelum minutum</i>	Tree, small (20)	Wide (177)	Coumarin (201)	<i>P. aegaeus, P. nephelus</i>
	<i>Murraya exotica</i>	Tree, Shrub (261)	Wide (261)	Alkaloid, Coumarin (81, 116)	<i>P. polytes</i>
	<i>Murraya koenigii</i>	Shrub, small Tree (192)	Wide (259)	Alkaloid, Coumarin (122, 166)	<i>P. polytes</i>
	<i>Orixa japonica</i>	Shrub (184)	Wide (177)	Alkaloid, Coumarin (61)	<i>P. bianor, P. maackii, P. macilentus</i>
	<i>Paramignya griffithii</i>	Shrub (210)	Wide (177)	Terpene (268)	<i>P. memnon</i>
	<i>Phellodendron sachalinense</i>	Tree (184)	Wide (177)	Alkaloid (29)	<i>P. bianor, P. helenus, P. maackii, P. xuthus</i>
	<i>Philothea myoporoides</i>	Shrub (100)	Narrow (174)	Coumarin (241)	<i>P. aegaeus</i>
	<i>Poncirus trifoliata</i>	Tree, Shrub (261)	Wide (261)	Alkaloid, Coumarin (66, 93)	<i>P. bianor, P. helenus, P. macilentus, P. memnon, P. polytes, P. protenor, P. xuthus</i>
	<i>Ptelea baldwinii</i>			Coumarin (269)	<i>P. multicaudatus, P. rutulus</i>
	<i>Ptelea crenulata</i>	Tree, Shrub (261)	Wide (261)	Alkaloid, Coumarin (62)	<i>P. multicaudatus</i>

Family	Species	Growth form	Leaf size	Secondary chemical compounds	Relevant Papilionidae species
Rutaceae	<i>Ptelea trifoliata</i>	Tree, Shrub (261)	Wide (261)	Alkaloid, Coumarin (62, 269)	<i>P. crespontes</i> , <i>P. glaucus</i> , <i>P. multicaudatus</i>
	<i>Ruta angustifolia</i>	Herb, perennial (258)	Narrow (260)	Coumarin (30)	<i>P. machaon</i>
	<i>Ruta chalepensis</i>	Shrub, subshrub, herb (261)	Narrow (261)	Alkaloid, Coumarin (92)	<i>P. machaon</i>
	<i>Ruta corsica</i>	Shrub (16)	Narrow (260)	Alkaloid, Coumarin (25)	<i>P. hospiton</i>
	<i>Ruta graveolens</i>	Shrub, subshrub, herb (261)	Narrow (261)	Coumarin (185)	<i>P. machaon</i> , <i>P. macilentus</i> , <i>P. polyxenes</i> , <i>P. thoas</i> , <i>P. anchisiades</i>
	<i>Skimmia japonica</i>	Shrub (184)	Wide (177)	Coumarin, Terpenoid (170)	<i>P. bianor</i> , <i>P. protenor</i> , <i>P. xuthus</i>
	<i>Teclea nobilis</i>	Shrub, Evergreen (271)	Wide (27)	Alkaloid (6)	<i>P. dardanus</i> , <i>P. phorcas</i>
	<i>Teclea simplicifolia</i>	Shrub, Evergreen, small Tree (84)	Wide (27)	Alkaloid (273)	<i>P. dardanus</i> , <i>P. phorcas</i>
	<i>Teclea stuhlmanni</i>			Alkaloid (6)	<i>P. dardanus</i> , <i>P. rex</i>
	<i>Teclea tricocarpa</i>	Tree, shrub (55)		Alkaloid (6)	<i>P. rex</i>
	<i>Teclea villosa</i>			Alkaloid (6)	<i>P. dardanus</i> , <i>P. phorcas</i>
	<i>Thamnosma montana</i>	Shrub, subshrub (261)	Narrow (261)	Alkaloid, Coumarin (44)	<i>P.indra</i> , <i>P. polyxenes</i>
	<i>Thamnosma texana</i>	Shrub, subshrub, herb (261)	Narrow (261)	Alkaloid, Coumarin (182)	<i>P. polyxenes</i>
	<i>Toddalia asiatica</i>	Tree (109)	Wide (177)	Alkaloid, Coumarin (225)	<i>P. dardanus</i> , <i>P. demodocus</i> Kenya, <i>P. helenus</i> , <i>P. nephelus</i> , <i>P. paris</i> , <i>P. polytes</i> , <i>P. protenor</i> , <i>P. xuthus</i>
	<i>Triphasia trifolia</i>	Tree, Shrub (261)	Wide (261)	Alkaloid, Coumarin (1)	<i>P. polytes</i>
	<i>Vepris eugenifolia</i>	Shrub (84)	Wide (27)	Alkaloid (132)	<i>P. dardanus</i>
	<i>Vepris spp.</i>	Shrub, small Tree (55)	Wide (177)		<i>P. lomieri</i> , <i>P. rex</i>
	<i>Zanthoxylum acanthopodium</i>	Shrub (109)	Wide (177)	Alkaloid (57)	<i>P. bianor</i> , <i>P. protenor</i>

Family	Species	Growth form	Leaf size	Secondary chemical compounds	Relevant Papilionidae species
Rutaceae	<i>Zanthoxylum ailanthoides</i>	Tree (109)	Wide (177)	Alkaloid, Coumarin (47, 226)	<i>P. bianor</i> , <i>P. helenus</i> , <i>P. maackii</i> , <i>P. macilentus</i> , <i>P. nephelus</i> , <i>P. protenor</i> , <i>P. xuthus</i>
	<i>Zanthoxylum americanum</i>	Tree, Shrub (261)	Wide (261)	Alkaloid, Coumarin (242)	<i>P. anchisiades</i> , <i>P. crespshontes</i> , <i>P. glaucus</i> , <i>P. thoas</i>
	<i>Zanthoxylum armatum</i>	Shrub (109)	Wide (177)	Alkaloid, Terpenoid (223)	<i>P. paris</i> , <i>P. protenor</i> , <i>P. polytes</i> , <i>P. xuthus</i>
	<i>Zanthoxylum avicennae</i>	Tree (123)	Wide (177)	Alkaloid, Coumarin (267)	<i>P. helenus</i> , <i>P. paris</i>
	<i>Zanthoxylum beecheyanum</i>	Shrub (266)	Wide (177)	Alkaloid, Coumarin (48)	<i>P. protenor</i> , <i>P. xuthus</i>
	<i>Zanthoxylum brachyachanthum</i>	Tree (20)	Wide (174)	Alkaloid, Coumarin (179)	<i>P. aegeus</i>
	<i>Zanthoxylum clava-herculis</i>	Tree, Shrub (261)	Wide (261)	Alkaloid, Coumarin (72)	<i>P. anchisiades</i> , <i>P. crespshontes</i> , <i>P. thoas</i>
	<i>Zanthoxylum cuspidata</i>	Shrub, scandent (266)	Wide (70)	Alkaloid, Coumarin (114)	<i>P. demoleus malayanus</i> , <i>P. polytes</i> , <i>P. protenor</i> , <i>P. helenus</i>
	<i>Zanthoxylum elephanitiasis</i>	Tree (4)	Wide (70)	Alkaloid, Coumarin (73)	<i>P. anchisiades</i> , <i>P. crespshontes</i> , <i>P. thoas</i>
	<i>Zanthoxylum fagara</i>	Tree, Shrub (261)	Wide (70)	Alkaloid, Coumarin (63)	<i>P. anchisiades</i> , <i>P. crespshontes</i> , <i>P. thoas</i>
	<i>Zanthoxylum gillettii</i>	Tree (274)	Wide (70)		<i>P. lormieri</i>
	<i>Zanthoxylum hirsutum</i>	Tree, Shrub (261)	Wide (261)	Alkaloid, Coumarin (179)	<i>P. crespshontes</i>
	<i>Zanthoxylum latispinosum</i>			Alkaloid, Coumarin (179)	<i>P. anchisiades</i> , <i>P. thoas</i>
	<i>Zanthoxylum myriacanthum</i>	Tree (210)	Wide (70)	Alkaloid (239)	<i>P. helenus</i>
	<i>Zanthoxylum nitidum</i>	Shrub, scandent (109)	Wide (177)	Alkaloid (115, 58)	<i>P. aegeus</i> , <i>P. bianor</i> , <i>P. demoleus malayanus</i> , <i>P. helenus</i> , <i>P. paris</i> , <i>P. polytes</i> , <i>P. protenor</i> , <i>P. xuthus</i>

Family	Species	Growth form	Leaf size	Secondary chemical compounds	Relevant Papilionidae species
	<i>Zanthoxylum ovalifolium</i>	Tree (109)	Wide (79)	Alkaloid, Terpenoid (246)	<i>P. nephetus</i> , <i>P. paris</i>
	<i>Zanthoxylum oxyphyllum</i>	Tree (137)		Alkaloid (251)	<i>P. bianor</i> , <i>P. protenor</i>
Rutaceae	<i>Zanthoxylum piperitum</i>	Shrub (184)	Wide (177)	Alkaloid (252)	<i>P. bianor</i> , <i>P. macilentus</i> , <i>P. protenor</i> , <i>P. xuthus</i>
	<i>Zanthoxylum reticulata</i>			Alkaloid, Coumarin (179)	<i>P. anchistades</i>
	<i>Zanthoxylum rhetsa</i>			Alkaloid (88)	<i>P. helenus</i> , <i>P. nephelus</i>
	<i>Zanthoxylum rhoifolium</i>	Shrub, Small Tree (197)	Wide (70)	Alkaloid, Coumarin (13)	<i>P. anchistades</i> , <i>P. hectorides</i> , <i>P. thoas</i>
	<i>Zanthoxylum scandens</i>	Shrub, thorny climbing (109)	Wide (177)	Alkaloid, Coumarin (179)	<i>P. helenus</i>
	<i>Zanthoxylum schinifolium</i>	Shrub (184)	Wide (79)	Alkaloid, Coumarin (46)	<i>P. bianor</i> , <i>P. macilentus</i> , <i>P. protenor</i> , <i>P. xuthus</i>
	<i>Zanthoxylum setulosum</i>	Tree (67)	Wide (70)	Alkaloid, Coumarin (179)	<i>P. anchistades</i> , <i>P. crespiphontes</i> , <i>P. thoas</i>
	<i>Zieria laevigata</i>	Shrub (20)		Cyanogenic glycosides (71)	<i>P. aegeus</i>
	<i>Zieria smithii</i>	Tree, Shrub (20)		Phenolic (195)	<i>P. aegeus</i>
Salicaceae	<i>Salix babylonica</i>	Tree (261)	Wide (278)	Phenolic (224)	<i>P. rutulus</i>
	<i>Salix exigua</i>	Tree, Shrub (261)	Wide (261)	Phenolic (220)	<i>P. rutulus</i>
	<i>Salix hookeriana</i>	Tree, Shrub (261)	Wide (40)	Phenolic (50)	<i>P. rutulus</i>
	<i>Salix lasiolepis</i>	Tree, Shrub (261)	Wide (261)	Phenolic (199)	<i>P. rutulus</i>
	<i>Salix lucida</i>	Tree, Shrub (261)	Wide (261)	Phenolic (205)	<i>P. rutulus</i>
	<i>Salix scouleriana</i>	Tree, Shrub (261)	Wide (261)	Phenolic (285)	<i>P. rutulus</i>
Tiliaceae	<i>Tilia americana</i>	Tree (261)	Wide (278)	Phenolic (211)	<i>P. canadensis</i>

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