Supplemental Table 2 Gene Sequences for Phylogenetic analysis.

| Species | Argk | COI | COII | Cytb | Ef1a | 12S | 18S | 28S |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *Achalarus lyciades* |  | MG646077.1 |  |  |  |  |  |  |
| *Acromyrmex echinatior* | XM\_011066862.1 |  |  |  |  |  |  |  |
| *Acyrthosiphon pisum* | XM\_008187305.2 | AB470712.1 | FJ982392.1 | FJ752022.1 | FJ982418.1 | JX965977.1 | U27819.1 |  |
| *Aedes aegypti* | XM\_001657339.2 | KX420491.1 | KC913582.1 | AJ970959.1 | KY000702.1 | AY356400.1 | U65375.1 |  |
| *Aedes albopictus* | XM\_019692640.1 | MF767287.1 | AF324898.1 | AJ971002.1 |  | AF034471.1 | HQ010437.1 |  |
| *Aethina tumida* | XM\_020016979.1 | KU179767.1 | KC966688.1 |  |  | KP133876.1 | KP134008.1 |  |
| *Agrilus planipennis* | XM\_018470050.2 | GU013563.1 |  | XM\_018479674.2 |  |  |  | XM\_018468835.2 |
| *Aleochara bilineata* |  | KM847308.1 |  |  |  |  |  |  |
| *Amyelois transitella* | XM\_013328496.1 |  |  |  |  |  |  |  |
| *Anopheles alnimanus* |  |  |  |  |  |  |  |  |
| *Anopheles aquasalis* |  | AF548902.1 | U92375.1 |  |  |  | AF417769.1 | AF417804.1 |
| *Anopheles arabiensis* |  | DQ465294.1 | AF417741.1 |  |  |  |  |  |
| *Anopheles atroparvus* | GQ906807.1 | KU877020.1 |  |  |  |  | AM072973.1 | LK054523.1 |
| *Anopheles christyi* |  |  |  |  |  |  |  |  |
| *Anopheles coluzzii* |  | MH025880.1 |  |  |  |  |  |  |
| *Anopheles cracens* |  | DQ897948.1 |  |  |  |  |  |  |
| *Anopheles culicifacies* |  | MH512896.1 | EF208913.1 | KP197030.1 |  | KP893744.1 |  | DQ173155.1 |
| *Anopheles darlingi* |  | KP193458.1 | U92383.1 |  |  |  | AF417770.1 | AF417805.1 |
| *Anopheles dirus* |  | DQ897946.1 | JX070696.1 | KF431914.1 |  |  | AF417779.1 | AF417814.1 |
| *Anopheles epiroticus* |  | AY789202.1 |  |  |  |  |  |  |
| *Anopheles farauti* |  | KF202472.1 | DQ674734.1 | HQ840893.1 |  | AF121065.1 | AF121054.1 | AF417815.1 |
| *Anopheles funestus* |  | KU380404.1 | AJ512749.1 | DQ287361.1 |  | DQ287369.1 | AF417780.1 | AF417816.1 |
| *Anopheles gambiae* |  | DQ465336.1 | AF417742.1 |  |  | U35784.1 | AM157179.1 | KC177663.1 |
| *Anopheles koliensis* |  | KU662306.1 | U94304.1 | HQ840920.1 |  | AF121072.1 | AF121061.1 |  |
| *Anopheles maculatus* |  | EU256336.1 | EF208910.1 |  |  |  | AF440198.1 | AY120851.1 |
| *Anopheles melas* |  |  |  |  |  | U35794.1 |  |  |
| *Anopheles merus* |  |  |  |  |  | U35791.1 |  |  |
| *Anopheles minimus* |  | KU497613.1 | JQ042279.1 | KF431913.1 |  | AF293664.1 | AF417781.1 | DQ523567.1 |
| *Anopheles quadriannulatus* |  | KR014849.1 |  |  |  | U35792.1 |  |  |
| *Anopheles sinensis* |  | MG028766.1 | KX840670.1 | MG028854.1 |  | AF293657.1 |  | KJ617054.1 |
| *Anopheles stephensi* |  | MF124611.1 | DQ026675.1 | AF311254.1 |  | AF034465.1 | AF417784.1 | AF417820.1 |
| *Anoplophora glabripennis* | XM\_018717621.1 | AB439154.1 |  |  |  | KF737699.1 | KF142012.1 |  |
| *Antheraea yamamai* |  | GU707195.1 |  |  |  | AY037835.1 |  |  |
| *Aphaenogaster ashmeadi* |  | KP730068.1 |  |  |  |  |  |  |
| *Aphaenogaster floridana* |  | KP730073.1 |  |  |  |  |  |  |
| *Aphaenogaster fulva* |  | KP730082.1 |  |  |  |  |  |  |
| *Aphaenogaster miamiana* |  | KP730088.1 |  |  |  |  |  |  |
| *Aphaenogaster picea* |  | KP730106.1 |  |  |  |  |  |  |
| *Aphaenogaster rudis* | FJ824372.1 | MG341765.1 |  | EU658912.1 |  |  | FJ824191.1 | FJ824281.1 |
| *Apis cerana* | XM\_017049717.1 | KT960839.1 |  | EF467437.1 |  |  | HM750231.1 |  |
| *Apis dorsata* | XM\_006609081.1 | KU752355.1 | AF153126.1 | KP259252.1 |  |  | HM750230.1 |  |
| *Apis florea* | XM\_012489495.1 | AB284150.1 | MG548267.1 | KP259265.1 |  |  | HQ108053.1 |  |
| *Apis mellifera* | AF023619.1 | JN293758.1 |  | EU513289.1 |  |  | KC413715.1 |  |
| *Athalia rosae* | XM\_012404176.2 | KF642888.1 |  | KF528568.1 |  |  | AB064266.1 |  |
| *Atta cephalotes* | XM\_012202340.1 | MG948895.1 |  |  |  |  |  |  |
| *Atta colombica* | XM\_018192232.1 | EU847939.1 | EU448260.1 | KF500036.1 |  |  |  |  |
| *Bactrocera dorsalis* | XM\_011214398.2 | KX051723.1 | EU926791.1 | JF521166.1 | GU339154.1 |  | U01251.1 |  |
| *Bactrocera latifrons* | XM\_018934259.1 | MF140511.1 | AB687549.1 |  | MG683593.1 |  |  |  |
| *Bactrocera oleae* | XM\_014233915.1 | KY111527.1 |  |  | MG683538.1 | AY037337.1 |  |  |
| *Bactrocera tryoni* |  | MH135262.1 | MG020808.1 | JQ420932.1 | MG683620.1 | AY037345.1 |  |  |
| *Belgica antarctica* |  | JQ672717.1 |  |  |  |  | DQ507305.1 | DQ459549.1 |
| *Bemisia tabaci* | XM\_019046375.1 | MF289534.1 |  |  |  |  |  |  |
| *Bicyclus anynana* | XM\_024078988.1 | KR139591.1 | AY040163.1 |  | KM923784.1 |  |  |  |
| *Blattella germanica* | FJ855501.1 | S72627.1 | DQ874268.1 | KY014629.1 |  | AY536379.1 | FJ806322.1 |  |
| *Bombus impatiens* | XM\_012391881.2 | GU806825.1 |  | AF281169.1 |  |  |  |  |
| *Bombus terrestris* | XM\_003401454.3 | JQ843670.1 | X90406.1 | KP670308.1 |  |  |  |  |
| *Bombyx mori* | XM\_021351952.1 | AB649195.1 |  | AY343547.1 | NM\_001044045.1 | AY037827.1 | KF982847.1 |  |
| *Calephelis nemesis* |  |  |  |  |  |  |  |  |
| *Calephelis virginiensis* |  |  |  |  |  |  |  |  |
| *Calopteryx splendens* |  | DQ411707.1 |  |  |  |  | DQ008208.1 |  |
| *Calycopis cecrops* |  | GU089704.1 |  |  |  |  |  |  |
| *Camponotus floridanus* | XM\_025406946.1 | AF186362.1 |  |  |  |  |  |  |
| *Catajapyx aquilonaris* |  |  |  |  |  |  | EU368600.1 | EF199978.2 |
| *Cecidostiba fungosa* |  | HM574094.1 |  | JQ417157.1 |  |  |  |  |
| *Cecidostiba semifascia* |  | HM574093.1 |  |  |  |  |  |  |
| *Cephus cinctus* | XM\_015732313.2 | HM432906.1 |  | XM\_015752756.2 |  |  |  |  |
| *Ceratina calcarata* | XM\_018034016.2 | KJ166268.1 |  | GU321567.1 |  |  | AY995679.1 |  |
| *Ceratitis capitata* | XM\_004526740.3 | MG764540.1 | DQ011889.1 | DQ006914.1 | MG683583.1 |  | KC177300.1 |  |
| *Ceratosolen solmsi* | XM\_011506811.1 | AY842421.1 |  |  |  |  |  |  |
| *Chironomus riparius* |  | KR756187.1 |  |  |  |  | DQ657920.1 | AY820919.1 |
| *Chironomus tentans* |  | KY225374.1 |  | AF109712.1 |  |  |  |  |
| *Cimex lectularius* | XM\_014383694.2 | KR044731.1 |  | XM\_014405864.1 |  |  | KJ461298.1 |  |
| *Clitarchus hookeri* |  | GU194457.1 | KY263955.1 |  |  |  |  |  |
| *Clunio marinus* |  | LN851838.1 |  |  |  |  |  |  |
| *Coboldia fuscipes* |  | MG296087.1 |  | KC177601.1 |  | KC177484.1 | KC177282.1 | KC177651.1 |
| *Copidosoma floridanum* | XM\_014364357.2 | KR877543.1 |  |  |  |  | KF850043.1 |  |
| *Cotesia vestalis* |  | KY832157.1 |  | KX604901.1 | KX605227.1 |  | JX399880.1 | AJ535953.1 |
| *Cryptotermes secundus* | XM\_023849251.1 |  | EF442718.1 | AF189120.1 |  | DQ441676.1 | DQ882635.1 |  |
| *Culex quinquefasciatus* | XM\_001842457.1 | KR768063.1 | JQ716608.1 | HQ709409.1 |  |  |  | HM807289.1 |
| *Culicoides sonorensis* |  | KR683671.1 |  |  | KP310110.1 |  |  |  |
| *Cyphomyrmex costatus* | XM\_018545298.1 |  |  |  |  |  |  |  |
| *Danaus plexippus* | EU141261.1 | KT133515.1 | KX110382.1 | KP007541.1 | DQ157894.1 | AF392051.1 | AF454921.1 | GQ229491.1 |
| *Dendroctonus ponderosae* | XM\_019909387.1 | JF888167.1 |  |  |  |  | KJ531053.1 |  |
| *Diabrotica virgifera* | XM\_028298329.1 | MH323083.1 |  |  |  | AY533603.1 |  | AY243734.2 |
| *Diachasma alloeum* | XM\_015265737.1 | KR890748.1 |  |  |  |  |  |  |
| *Dinoponera quadriceps* | XM\_014611839.1 |  |  |  |  |  |  |  |
| *Drosophila americana* |  | JN019935.1 | AY646740.1 | GU299316.1 |  |  | EU188739.1 | JF735897.1 |
| *Drosophila ananassae* |  | MG557557.1 | KM487042.1 | EU601719.1 |  | EU189427.1 | XR\_046314.1 | JF735891.1 |
| *Drosophila arizonae* | XM\_018018451.1 | MF443102.1 | DQ436072.1 |  |  |  |  |  |
| *Drosophila biarmipes* | XM\_017097033.1 | AY098456.1 | AF474094.1 |  |  |  |  |  |
| *Drosophila bipectinata* | XM\_017247855.1 | AB032131.1 | GQ376042.1 | KM487044.1 |  |  |  |  |
| *Drosophila busckii* | XM\_017991261.1 | MF882465.1 | KF601930.1 |  |  |  |  |  |
| *Drosophila elegans* | XM\_017266287.1 | AB032130.1 | AF461307.1 |  |  |  |  |  |
| *Drosophila erecta* | XM\_001971531.3 | KX771108.1 | GQ244453.1 | JX500968.1 |  |  |  |  |
| *Drosophila eugracilis* | XM\_017228296.1 | AY098461.1 | AF474079.1 |  |  |  |  |  |
| *Drosophila ficusphila* | XM\_017198069.1 | AB032133.1 | AY757273.1 |  |  |  |  |  |
| *Drosophila grimshawi* |  | GU597459.1 | GU597491.1 |  |  | EU189429.1 |  | GU597390.1 |
| *Drosophila hydei* | XM\_023320454.1 | MG086288.1 | AF145888.1 |  |  |  |  |  |
| *Drosophila kikkawai* | XM\_017176053.1 | KY973965.1 | KP731163.1 |  |  |  |  |  |
| *Drosophila melanogaster* | U26939.1 | KC750827.1 | GQ376046.1 | AM403328.1 | NM\_079872.4 | X97155.1 | NR\_133559.1 | NR\_133562.1 |
| *Drosophila miranda* | XM\_017285861.1 | U51608.1 | M95148.1 | EF216276.1 |  |  |  | XM\_017287623.1 |
| *Drosophila mojavensis* |  | DQ383730.1 | AY437281.1 | EU494122.1 |  | EU494550.1 | XR\_047783.1 | GQ244442.1 |
| *Drosophila montana* |  | MG080424.1 | DQ426799.1 |  |  |  |  | JF735907.1 |
| *Drosophila nasuta* |  | GU597466.1 | AB932783.1 | EU494105.1 |  | AF332704.1 |  | GU597436.1 |
| *Drosophila novamexicana* |  | JF735929.1 | JF735934.1 | AY646768.1 |  |  |  | AF184036.1 |
| *Drosophila obscura* | XM\_022363945.1 | U51614.1 | AF081356.1 | EF216277.1 |  |  |  | XM\_022368481.1 |
| *Drosophila persimilis* | XM\_002016998.2 | AF451101.1 | M95143.1 | EF216278.1 |  |  |  | XM\_026990083.1 |
| *Drosophila pseudoobscura* |  | AF451073.1 | M95150.1 | EF216279.1 |  | AF220088.1 | XR\_053284.1 | AF184037.1 |
| *Drosophila rhopaloa* | XM\_017113570.1 |  |  |  |  |  |  | XM\_017136819.1 |
| *Drosophila sechellia* |  | KJ426007.1 | GQ244458.1 |  |  |  | XR\_048770.1 |  |
| *Drosophila serrata* | XM\_020962843.1 | HQ631573.1 | GQ376043.1 | XM\_020948685.1 |  |  |  |  |
| *Drosophila simulans* |  | KT112992.1 | GQ222022.1 |  |  |  | AY037174.1 | HQ110541.1 |
| *Drosophila subobscura* |  | MG082253.1 | AF187689.1 | EF216282.1 |  | AF220094.1 |  | EF216305.1 |
| *Drosophila suzukii* | XM\_017078652.1 | AB032128.1 | LN867083.1 |  |  |  |  |  |
| *Drosophila takahashii* | XM\_017144515.1 | JF735911.1 | AF474089.1 |  |  |  |  |  |
| *Drosophila virilis* |  | MH423345.1 | HQ110559.1 | AY646772.1 |  | AY560540.1 | XR\_049301.1 | AF184035.1 |
| *Drosophila willistoni* | XM\_023178113.1 | KT194321.1 | HQ110560.1 | EU494155.1 |  | X97154.1 |  |  |
| *Drosophila yakuba* |  |  | DQ382818.1 |  |  |  | M26990.1 | HQ110545.1 |
| *Dufourea novaeangliae* | XM\_015577015.1 | HM414187.1 |  |  |  |  |  |  |
| *Ephemera danica* |  | KY261917.1 | KF855909.1 |  |  | KF855788.1 | KF855833.1 | KF855809.1 |
| *Ephydra gracilis* |  |  |  |  |  |  |  |  |
| *Eufriesea mexicana* | XM\_017898377.1 |  |  |  |  |  |  |  |
| *Euglossa Dilemma* |  |  |  |  |  |  |  |  |
| *Eupelmus annulatus* |  | MG343741.1 |  | KR348775.1 |  |  |  |  |
| *Eupelmus urozonus* |  | KR348766.1 |  | KR348814.1 |  |  |  |  |
| *Ferrisia virgata* |  | KJ530607.1 |  |  | LC278436.1 | HQ893809.1 | AY426079.1 | LC278437.1 |
| *Fopius arisanus* | XM\_011304607.1 | KY689110.1 |  | KC753514.1 |  | KC594927.1 |  |  |
| *Frankliniella occidentalis* | MH319815.1 | MG365569.1 | KY775411.1 | KJ916245.1 | GU148015.1 |  | JX002704.1 | XM\_026437035.1 |
| *Galleria mellonella* | XM\_026900087.1 | MK187421.1 | M83967.1 |  |  |  | AF286298.1 |  |
| *Gerris buenoi* |  | MG406973.1 | KX821870.1 | KX821900.1 |  | KX821796.1 | KX821825.1 | KX821840.1 |
| *Glossina austeni* |  | EU591834.1 |  |  |  |  |  | EF531133.1 |
| *Glossina brevipalpis* |  | EU591869.1 |  |  |  | MK034891.1 |  | EF531134.1 |
| *Glossina fuscipes* |  | MK094173.1 |  | EU562281.1 |  | MK034887.1 |  |  |
| *Glossina morsitans* |  | EF531200.1 | KR820741.1 | KC177594.1 |  | MK034895.1 | KC177312.1 | KC177834.1 |
| *Glossina pallidipes* |  | HQ702375.1 |  |  |  | MK034890.1 |  | EF531136.1 |
| *Glossina palpalis* |  | KF597291.1 |  | KJ013528.1 |  | MK034896.1 | AF322431.1 | EF531137.1 |
| *Goniozus legneri* |  |  |  |  |  |  |  | GU213948.1 |
| *Habropoda laboriosa* | XM\_017938075.1 | KY321466.1 |  |  |  |  |  |  |
| *Halyomorpha halys* | XM\_014425440.2 | KY570297.1 | KY710681.1 | KF273412.1 |  |  |  |  |
| *Harpergnathos saltator* | XM\_011149430.3 |  |  |  |  |  |  |  |
| *Heliconius melpomene* | KP073002.1 | EU449025.1 |  |  | DQ448447.1 |  |  |  |
| *Helicoverpa armigera* | JN185455.1 | KP210095.1 | HQ677778.1 | EF410045.1 |  | AF389421.1 | KT945996.1 |  |
| *Helicoverpa punctigera* |  | KX422509.1 |  | EF410058.1 |  |  |  |  |
| *Helicoverpa zea* | HM068068.1 | GU438926.1 | HQ677777.1 | HQ177612.1 |  | HQ178018.1 | KT946005.1 |  |
| *Hypothenemus hampei* |  | KX818264.1 |  |  |  |  |  |  |
| *Lasioglossum albipes* |  | GU706031.1 |  |  |  |  |  |  |
| *Lasius niger* | EU142995.1 | MG344523.1 | MF993323.1 | JQ681115.1 |  |  | KT443340.1 |  |
| *Lepidotrigona ventralis* | DQ813047.1 |  |  |  |  |  |  | FJ042126.1 |
| *Leptidea sinapsis* |  |  |  |  |  |  |  |  |
| *Leptinotarsa decemlineata* | XM\_023158001.1 | AY165708.1 |  |  |  |  |  |  |
| *Leptopilina boulardi* |  | KY077405.1 |  |  |  |  |  |  |
| *Leptopilina clavipes* |  | KR899847.1 |  |  |  |  |  |  |
| *Lerema accius* |  | GU089979.1 |  |  |  |  |  |  |
| *Libellula fulva* |  | AF195745.1 |  |  |  |  | DQ008205.1 | FJ596602.1 |
| *Linepithema hunile* | XM\_012359713.1 | FJ161727.1 |  | EF363097.1 |  |  | AH012894.2 |  |
| *Lucilia cuprina* | XM\_023444944.1 | KX053871.1 | DQ345111.1 | DQ407477.1 |  |  |  |  |
| *Maconellicoccus hirsutus* |  | KY373171.1 |  |  | KY678264.1 |  | AY426033.1 | AY427403.1 |
| *Macrocentrus cingulum* |  | JF963516.1 |  | HQ177822.1 | HQ177281.1 |  |  |  |
| *Manduca sexta* |  | JN678236.1 |  |  |  |  | U88190.1 |  |
| *Mayetiola destructor* |  | MG130753.1 |  | AF488423.1 |  | MH282938.1 | KJ917326.1 | KC177649.1 |
| *Megachile rotundata* | XM\_012291469.1 | MG351078.1 |  |  |  |  |  |  |
| *Megastigmus dorsalis* |  | AY317240.1 |  | AY898702.1 |  |  | AY317197.1 | AY317161.1 |
| *Megastigmus stigmatizans* |  |  |  | AY898703.1 |  |  |  |  |
| *Melanaphis sacchari* | XM\_025334412.1 | MG838315.1 | KT376991.1 |  |  |  |  |  |
| *Melipona quadrifasciata* | EU163050.1 | FJ975764.1 |  | EF529493.1 |  |  |  |  |
| *Microplitis demolitor* | XM\_008546537.2 | HM904940.1 |  |  | DQ538655.1 |  |  |  |
| *Mochlonyx cinctipes* |  |  |  |  |  |  |  |  |
| *Monomorium pharaonis* | XM\_012676742.2 | KC419419.1 |  |  |  |  | JQ695802.1 |  |
| *Musca domestica* | XM\_011296089.2 | MG091420.1 | HM016775.1 | DQ657064.1 | DQ657113.1 | AY573084.1 | GQ465780.1 |  |
| *Myzus persicae* | XM\_022308072.1 | KY509874.1 | AF143592.1 | HQ528298.1 | EF419315.1 | JX965999.1 |  |  |
| *Nasonia giraulti* |  | EF638434.1 |  |  |  |  |  |  |
| *Nasonia longicornis* |  | FJ554529.1 |  |  |  |  |  |  |
| *Nasonia vitripennis* | XM\_016989842.1 | EF638430.1 |  |  |  |  | GQ410677.1 |  |
| *Neodiprion lecontei* | XM\_015666009.1 |  |  | XM\_015656300.1 |  |  |  |  |
| *Nicrophorus vespilloides* | XM\_017930012.1 | MH115515.1 |  |  |  |  |  | EU147362.1 |
| *Nilaparvata lugens* | XM\_022337262.1 | AB325705.1 |  | JX556844.1 |  | HQ116528.1 | JF773148.1 |  |
| *Oncopeltus fasciatus* |  | MG406644.1 | M83959.1 |  |  |  | U15188.1 | LN623664.1 |
| *Onthophagus taurus* | XM\_023061824.1 | MH020533.1 | EU162431.1 | XM\_023055227.1 | KC294268.1 |  |  | DQ430885.1 |
| *Ooceraea biroi* | XM\_011351977.3 |  |  |  |  |  |  |  |
| *Operophtera brumata* |  | MG466845.1 |  |  |  | AF232887.1 |  |  |
| *Ormyrus nitidulus* |  | HM574027.1 |  | JQ417107.1 |  |  |  |  |
| *Ormyrus pomaceus* |  | HM574022.1 |  | JQ417171.1 |  |  |  |  |
| *Orussus abietinus* | XM\_012429232.2 | KC976945.1 |  | KF528558.1 |  | JF505477.1 | GQ410604.1 |  |
| *Oryctes borbonicus* |  | KJ915151.1 |  |  |  |  |  |  |
| *Papilio glaucus* | EU141279.1 | KM548369.1 |  |  |  |  |  |  |
| *Papilio machaon* | XM\_014507128.1 | MK186611.1 | LC189137.1 |  | GU372637.1 |  |  |  |
| *Papilio polytes* | XM\_013277807.1 | HQ962338.1 | LC189134.1 | HM246439.1 |  | GU196787.1 |  |  |
| *Papilio xuthus* | NM\_001312616.1 | JQ922032.1 | LC189138.1 | JQ924447.1 | NM\_001312698.1 |  |  |  |
| *Paracoccus marginatus* |  | KY373146.1 |  |  |  |  | EU188580.1 | AY427410.1 |
| *Paykullia maculata* |  | MG967799.1 |  | FJ025742.1 | FJ025694.1 | FJ025404.1 | FJ025496.1 |  |
| *Pediculus humanus* |  | KX054334.1 |  | GU323333.1 | FJ267441.1 | MH429017.1 | AY077775.1 |  |
| *Phoebis sennae* |  | MF547337.1 |  |  |  |  |  |  |
| *Phormia regina* |  | GU013648.1 | DQ345102.1 | KF908169.1 |  | AF262957.1 |  | AF366685.1 |
| *Phortica variegata* |  |  |  |  |  |  |  |  |
| *Pieris rapae* | GU215936.1 | JQ996397.1 | GQ268364.1 | JQ924443.1 | GU372646.1 | DQ150034.1 | KC413860.1 |  |
| *Plodia interpunctella* | AJ315030.1 | KT145708.1 |  |  |  |  | KJ836335.2 |  |
| *Plutella xylostella* |  |  |  |  |  |  | JX390653.1 |  |
| *Pogomyrmex barbatus* | XM\_011644610.2 |  |  | AF202484.1 |  |  |  |  |
| *Pogonus chalceus* | JN170715.1 | KU918208.1 |  | KJ371137.1 |  |  | GU556144.1 | GU556114.1 |
| *Polistes canadensis* | XM\_014758359.1 | AY663544.1 |  |  |  |  |  |  |
| *Polistes dominula* | XM\_015332541.1 | KR880422.1 | KJ147264.1 | KJ147292.1 |  | GU596549.1 |  |  |
| *Proctacanthus coquilletti* |  | KT733476.1 |  |  |  |  |  |  |
| *Pseudococcus longispinus* |  | KY373111.1 |  |  | JX677901.1 | HQ893808.1 | KT199023.1 | KT199048.1 |
| *Pseudomyrmex gracilis* | XM\_020427193.1 | KU985485.1 |  |  |  |  | AY703529.1 |  |
| *Rhagoletis zephyria* | XM\_017638032.1 | MG825319.1 | EU109172.1 |  |  |  | U01267.1 |  |
| *Rhodnius prolixus* |  | AF449138.1 |  | AF421339.1 |  | AF394519.1 | AJ421962.1 |  |
| *Scaptodrosophila lebanonesis* |  | EU493686.1 | HQ110572.1 | EU494188.1 |  | EU494586.1 |  | HQ110555.1 |
| *Schizaphis graminum* |  | MG512288.1 | AF469802.1 | AJ315874.1 |  | JX966014.1 | AH003128.2 |  |
| *Sipha flava* | XM\_025556687.1 | KR044391.1 | AF254094.1 |  |  |  |  |  |
| *Sitophilus oryzae* |  | KU494238.1 | KX190772.1 |  |  |  | AM946646.1 | AY131070.1 |
| *Solenopsis invicta* | XM\_026137080.1 | EF620560.1 |  |  |  |  | AY334566.1 |  |
| *Spodoptera frugiperda* | KC262642.1 | MF197868.1 | HQ677792.1 | HQ177674.1 |  | HQ178084.1 |  |  |
| *Spodoptera litura* | XM\_022978992.1 | MG783870.1 |  | HQ177695.1 |  | HQ178113.1 |  |  |
| *Stomoxys calcitrans* | XM\_013248543.1 | MG097496.1 | EU627744.1 | EU851308.1 | FJ025698.1 | DQ656886.1 | FJ025499.1 |  |
| *Synergus umbraculus* |  | DQ012655.1 |  | GU386442.1 |  |  |  |  |
| *Teleopsis dalmanni* |  |  | KT186763.1 | KC177592.1 |  | KT186734.1 | KC177302.1 | KC177739.1 |
| *Temnothorax curvispinosus* | MF436500.1 | MG340300.1 |  |  |  |  |  | XM\_025036124.1 |
| *Timema cristinae* |  | EU251511.1 | JN615409.1 |  |  |  |  |  |
| *Trabutina mannipara* |  |  |  |  |  |  | EU188595.1 | EU188518.1 |
| *Trachymyrmex cornetzi* | XM\_018522051.1 | KT783624.1 |  |  |  |  |  | XM\_018521294.1 |
| *Trachymyrmex septentrionalis* | XM\_018483182.1 | EU561600.1 |  |  |  |  |  | XM\_018498567.1 |
| *Trachymyrmex zeteki* | XM\_018447315.1 | KM224757.1 |  |  |  |  |  | XM\_018460735.1 |
| *Tribolium castaneum* | XM\_962718.3 | KU913057.1 |  | KJ003215.1 | NM\_001114363.1 | KJ002951.1 | KP419322.1 |  |
| *Trichogramma pretiosum* | XM\_014382207.2 | KM998973.1 | AY676062.1 | DQ181936.1 |  |  |  |  |
| *Trichomalopsis sarcophagae* |  |  |  |  |  |  |  |  |
| *Trichoplusia ni* | XM\_026882819.1 | GU439174.1 | HQ677815.1 | AB125896.1 |  |  | KY514086.1 |  |
| *Vanessa tameamea* | XM\_026642261.1 | HQ734891.1 |  |  |  |  |  |  |
| *Vollenhovia emeryi* | XM\_012022523.1 |  |  | MG255049.1 |  |  | EF012949.1 | XM\_012025884.1 |
| *Wasmannia auropunctata* | XM\_011709607.1 | MF926000.1 |  | KX585845.1 |  |  | EF012950.1 |  |
| *Zaprionus indianus* |  | EF632372.1 | EF632396.1 |  |  |  |  | GU597433.1 |
| *Zeugodacus cucurbitae* |  | MH751503.1 | MG020794.1 |  | MG683520.1 |  |  |  |
| *Zootermopsis nevadensis* | XM\_022061494.1 | MF358687.1 | GQ922444.1 | EU253931.1 |  | EU253721.1 | EU253799.1 |  |
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