Supplementary Material for DICKEY, AARON M., ANDREW J. TREASE, ANTONELLA JARA-CAVIERES, VIVEK KUMAR, MATTHEW K. CHRISTENSON, LAKSHMI-PRASAD POTLURI, J. KENT MORGAN, ROBERT G. SHATTERS, JR., CINDY L. MCKENZIE, PAUL H. DAVIS, AND LANCE S. OSBORNE–**Estimating Bacterial Diversity in Scirtothrips dorsalis (Thysanoptera: Thripidae) via Next Generation Sequencing.** Florida Entomologist 97(2) (June 2014) at at http://purl.fcla.edu/fcla/entomologist/browse

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SUPPL. TABLE 1. ABUNDANCE OF 189 BACTERIAL GENERA IN *SCIRTOTHRIPS DORSALIS*. GENERA WERE INCLUDED IF IDENTIFIED AS THE BEST MATCH FOR >3 CONTIGS.

Genus(# Matches)	Phylum	*Genus*(# Matches)	Phylum
Propionibacterium(5072)[1]	Actinobacteria	*Sphingopyxis*(151)	Proteobacteria
Stenotrophomonas(3143)[1‡]	Proteobacteria	*Geobacillus*(138)	Firmicutes
Pseudomonas(2717)[1‡]	Proteobacteria	*Microbacterium*(121)[1]	Actinobacteria
Methylobacterium(827)[1‡]	Proteobacteria	*Corynebacterium*(109)[1]	Actinobacteria
Ralstonia(614)[1]	Proteobacteria	*Escherichia*(108)[1*]	Proteobacteria
Streptococcus(455)[1‡]	Firmicutes	*Acinetobacter*(107)[1‡]	Proteobacteria
Deinococcus(398)[1‡]	Deinococcus-Thermus	*Anabaena*(105)[2]	Cyanobacteria
Bradyrhizobium(350)[1‡]	Proteobacteria	*Chroococcidiopsis*(89)	Cyanobacteria
Enterobacter(338)[1*‡]	Proteobacteria	*Klebsiella*(89)[1*]	Proteobacteria
Achromobacter(289)[1‡]	Proteobacteria	*Variovorax*(93)	Proteobacteria
Mycobacterium(286)[2]	Actinobacteria	*Bordetella*(92)[1]	Proteobacteria
Nocardioides(275)[2]	Actinobacteria	*Caulobacter*(90)[3]	Proteobacteria
Rothia(270)	Actinobacteria	*Brevundimonas*(87)[1]	Proteobacteria
Sphingomonas(270)[1‡]	Proteobacteria	*Azospirillum*(81)	Proteobacteria
Sphingobium(268)[3]	Proteobacteria	*Rhodobacter*(80)[5]	Proteobacteria
Arthrobacter(244)[1]	Actinobacteria	*Alicycliphilus*(79)	Proteobacteria
Acidovorax(238)[1]	Proteobacteria	*Mesorhizobium*(79)[2]	Proteobacteria
Burkholderia(233)[1]	Proteobacteria	*Geodermatophilus*(76)	Actinobacteria
Agrobacterium(210)[1]	Proteobacteria	*Delftia*(75)[1]	Proteobacteria
Streptomyces(194)[1]	Actinobacteria	*Cupriavidus*(74)[3]	Proteobacteria
Nakamurella(193)	Actinobacteria	*Ramlibacter*(74)	Proteobacteria
Rhodopseudomonas(186)[1]	Proteobacteria	*Xanthomonas*(72)[1]	Proteobacteria
Novosphingobium(185)[1]	Proteobacteria	*Rubrivivax*(70)[5]	Proteobacteria
Thermus(177)	Deinococcus-Thermus	*Sinorhizobium*(70)[2]	Proteobacteria
Nostoc(161)[4]	Cyanobacteria		

[1-6]Genus previously documented associated with insects: [1](Minard et al. 2013), [2](Hail et al. 2012), [3](Shelomi et al. 2012), [4](Duron and Hurst 2013), [5](Duguma et al. 2013), Reed and Hafner 2002)
[*]Order: Enterobacteriales
[‡]Also hit in Silva database

SUPPL. TABLE 2. ABUNDANCE OF 189 BACTERIAL GENERA IN *SCIRTOTHRIPS DORSALIS*. GENERA WERE INCLUDED IF IDENTIFIED AS THE BEST MATCH FOR >3 CONTIGS.

Genus(# Matches)	Phylum	*Genus*(# Matches)	Phylum
Micrococcus(68)[1]	Actinobacteria	*Nocardia*(42)[1]	Actinobacteria
Conexibacter(68)[3]	Actinobacteria	*Blastococcus*(38)	Actinobacteria
Bacillus(68)[1]	Firmicutes	*Frankia*(38)	Actinobacteria
Rhizobium(68)[1]	Proteobacteria	*Microlunatus*(37)	Actinobacteria
Modestobacter(66)	Actinobacteria	*Azoarcus*(37)[6]	Proteobacteria
Phenylobacterium(66)[2]	Proteobacteria	*Nitrobacter*(37)	Proteobacteria
Actinoplanes(65)[2]	Actinobacteria	*Oligotropha*(37)[2]	Proteobacteria
Staphylococcus(63)[1]	Firmicutes	*Anaeromyxobacter*(36)	Proteobacteria
Pseudoxanthomonas(58)[1]	Proteobacteria	*Paracoccus*(36)[3]	Proteobacteria
Erythrobacter(58)[5]	Proteobacteria	*Micromonospora*(33)[1]	Actinobacteria
Cellulomonas(57)[2]	Actinobacteria	*Rhodospirillum*(33)[6]	Proteobacteria
Rhodococcus(57)[1]	Actinobacteria	*Haemophilus*(31)[1]	Proteobacteria
Clavibacter(56)	Actinobacteria	*Acidiphilium*(31)	Proteobacteria
Serratia(56)[1*]	Proteobacteria	*Isoptericola*(30)[2]	Actinobacteria
Pseudonocardia(55)[2]	Actinobacteria	*Anoxybacillus*(30)[‡]	Firmicutes
Starkeya(55)	Proteobacteria	*Azotobacter*(28)	Proteobacteria
Stanieria(53)	Cyanobacteria	*Brachybacterium*(26)[2]	Actinobacteria
Leptothrix(52)[1]	Proteobacteria	*Amycolatopsis*(26)	Actinobacteria
Kribbella(51)	Actinobacteria	*Saccharothrix*(26)	Actinobacteria
Pantoea(49)[1*]	Proteobacteria	*Calothrix*(26)[1]	Cyanobacteria
Dyadobacter(47)	Bacteroidetes	*Gloeocapsa*(26)	Cyanobacteria
Gordonia(45)[6]	Actinobacteria	*Neisseria*(26)[1]	Proteobacteria
Intrasporangium(44)	Actinobacteria	*Azorhizobium*(26)	Proteobacteria
Methylibium(44)	Proteobacteria	*Hyphomicrobium*(26)[3]	Proteobacteria
		Xanthobacter(26)	Proteobacteria

[1-6]Genus previously documented associated with insects: [1](Minard et al. 2013), [2](Hail et al. 2012), [3](Shelomi et al. 2012), [4](Duron and Hurst 2013), [5](Duguma et al. 2013), Reed and Hafner 2002)
[*]Order: Enterobacteriales
[‡]Also hit in Silva database

SUPPL. TABLE 3. ABUNDANCE OF 189 BACTERIAL GENERA IN *SCIRTOTHRIPS DORSALIS*. GENERA WERE INCLUDED IF IDENTIFIED AS THE BEST MATCH FOR >3 CONTIGS.

Genus(# Matches)	Phylum	*Genus*(# Matches)	Phylum
Gemmatimonas(25)	Gemmatimonadetes	*Kocuria*(17)[1]	Actinobacteria
Thauera(25)	Proteobacteria	*Nocardiopsis*(16)	Actinobacteria
Saccharopolyspora(24)	Actinobacteria	*Verrucosispora*(16)	Actinobacteria
Streptosporangium(24)	Actinobacteria	*Lactococcus*(16)[1]	Firmicutes
Polaromonas(24)	Proteobacteria	*Chromobacterium*(16)[1]	Proteobacteria
Kitasatospora(23)[6]	Actinobacteria	*Thermobispora*(15)	Actinobacteria
Actinosynnema(23)	Actinobacteria	*Azospira*(15)[3]	Proteobacteria
Kineococcus(23)	Actinobacteria	*Opitutus*(15)	Verrucomicrobia
Thermomonospora(23)	Actinobacteria	*Flavobacterium*(14)[1]	Bacteroidetes
Xylanimonas(23)	Actinobacteria	*Fibrella*(14)	Bacteroidetes
Cylindrospermum(23)	Cyanobacteria	*Prevotella*(14)[1]	Bacteroidetes
Cellvibrio(23)	Proteobacteria	*Lactobacillus*(14)[1]	Firmicutes and
Herbaspirillum(23)[1]	Proteobacteria	*Sorangium*(14)	Proteobacteria
Pseudogulbenkiania(23)	Proteobacteria	*Collimonas*(14)	Proteobacteria
Tistrella(23)	Proteobacteria	*Thiobacillus*(14)	Proteobacteria
Beutenbergia(20)	Actinobacteria	*Kytococcus*(12)	Actinobacteria
Microcoleus(19)[3]	Cyanobacteria	*Leifsonia*(12)	Actinobacteria
Oscillatoria(19)	Cyanobacteria	*Bacteroides*(12)[1]	Bacteroidetes
Comamonas(19)[1]	Proteobacteria	*Spirosoma*(12)	Bacteroidetes
Bifidobacterium(18)[4]	Actinobacteria	*Exiguobacterium*(12)[1]	Firmicutes
Sanguibacter(18)[3]	Actinobacteria	*Corallococcus*(12)	Proteobacteria
Cyanothece(18)	Cyanobacteria	*Myxococcus*(12)	Proteobacteria

[1-6]Genus previously documented associated with insects: [1](Minard et al. 2013), [2](Hail et al. 2012), [3](Shelomi et al. 2012), [4](Duron and Hurst 2013), [5](Duguma et al. 2013), Reed and Hafner 2002)
[*]Order: Enterobacteriales
[ǂ]Also hit in Silva database

SUPPL. TABLE 4. ABUNDANCE OF 189 BACTERIAL GENERA IN *SCIRTOTHRIPS DORSALIS*. GENERA WERE INCLUDED IF IDENTIFIED AS THE BEST MATCH FOR >3 CONTIGS.

Genus(# Matches)	Phylum	*Genus*(# Matches)	Phylum
Crinalium(11)	Cyanobacteria	*Granulicella*(6)	Acidobacteria
Faecalibacterium(11)	Firmicutes	*Stackebrandtia*(6)	Actinobacteria
Magnetospirillum(11)	Proteobacteria	*Finegoldia*(6)	Firmicutes
Haliangium(10)	Proteobacteria	*Cronobacter*(6)[*]	Proteobacteria
Aeromonas(10)[1]	Proteobacteria	*Desulfovibrio*(6)	Proteobacteria
Pelagibacterium(10)	Proteobacteria	*Halomonas*(6)	Proteobacteria
Tsukamurella(9)[2]	Actinobacteria	*Shewanella*(6)[1]	Proteobacteria
Catenulispora(9)	Actinobacteria	*Thioalkalivibrio*(6)	Proteobacteria
Rubrobacter(9)	Actinobacteria	*Rivularia*(5)	Cyanobacteria
Niastella(9)[2]	Bacteroidetes	*Ruminococcus*(5)	Firmicutes
Eubacterium(9)	Firmicutes	*Veillonella*(5)	Firmicutes
Thiomonas(9)	Proteobacteria	*Planctomyces*(5)[2]	Planctomycetes
Ochrobactrum(9)[3]	Proteobacteria	*Dickeya*(5)[*]	Proteobacteria
Chelativorans(9)	Proteobacteria	*Nitrosomonas*(5)	Proteobacteria
Ruegeria(9)	Proteobacteria	*Terriglobus*(4)[8]	Acidobacteria
Erwinia(7)[1*]	Proteobacteria	*Salinispora*(4)	Actinobacteria
Geobacter(7)[6]	Proteobacteria	*Fluviicola*(4)[5]	Bacteroidetes
Albidiferax(7)	Proteobacteria	*Synechococcus*(4)[4]	Cyanobacteria
Verminephrobacter(7)	Proteobacteria	*Blautia*(4)	Firmicutes
Methylocella(7)	Proteobacteria	*Coprococcus*(4)	Firmicutes
Parvibaculum(7)[2]	Proteobacteria	*Citrobacter*(4)[1*]	Proteobacteria
Methylocystis(7)[1]	Proteobacteria	*Alcanivorax*(4)[3]	Proteobacteria
Rhodomicrobium(7)	Proteobacteria	*Hyphomonas*(4)	Proteobacteria
		Roseobacter(4)	Proteobacteria

[1-6]Genus previously documented associated with insects: [1](Minard et al. 2013), [2](Hail et al. 2012), [3](Shelomi et al. 2012), [4](Duron and Hurst 2013), [5](Duguma et al. 2013), Reed and Hafner 2002)
[*]Order: Enterobacteriales
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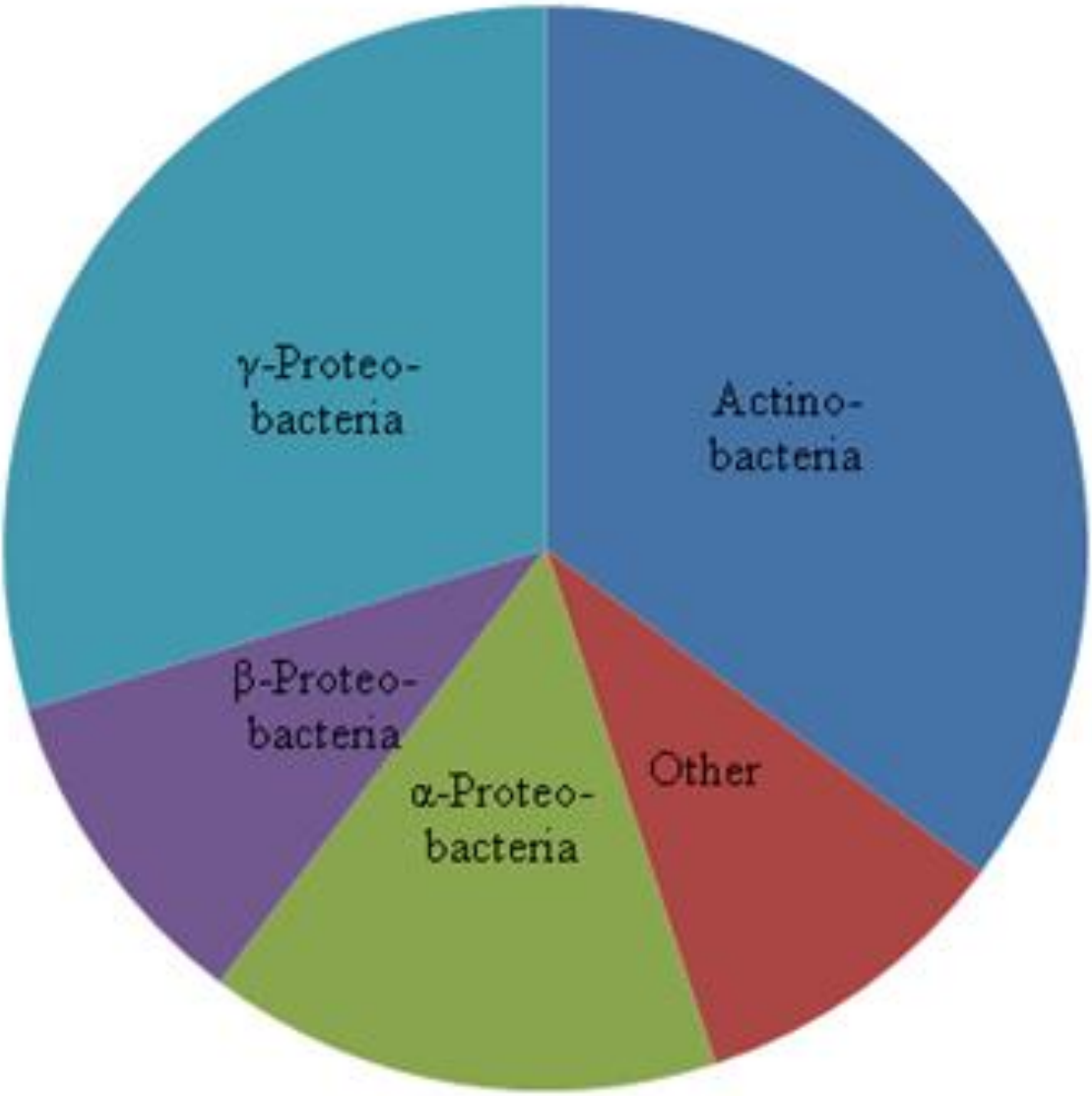

Fig. 1. Relative abundance of dominant bacterial taxa in *Scirtothrips dorsalis*. Abundance based on 23,068 contigs classified to 189 genera (supplimental table). Genera were included if identified as the best match for >3 contigs.

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