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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.

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

¹⁻⁶Genus 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.

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

¹⁻⁶Genus 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.

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

¹⁻⁶Genus 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 4. ABUNDANCE OF 189 BACTERIAL GENERA IN *SCIRTOTHRIPS DORSALIS*. GENERA WERE INCLUDED IF IDENTIFIED AS THE BEST MATCH FOR >3 CONTIGS.

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

¹⁻⁶Genus 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

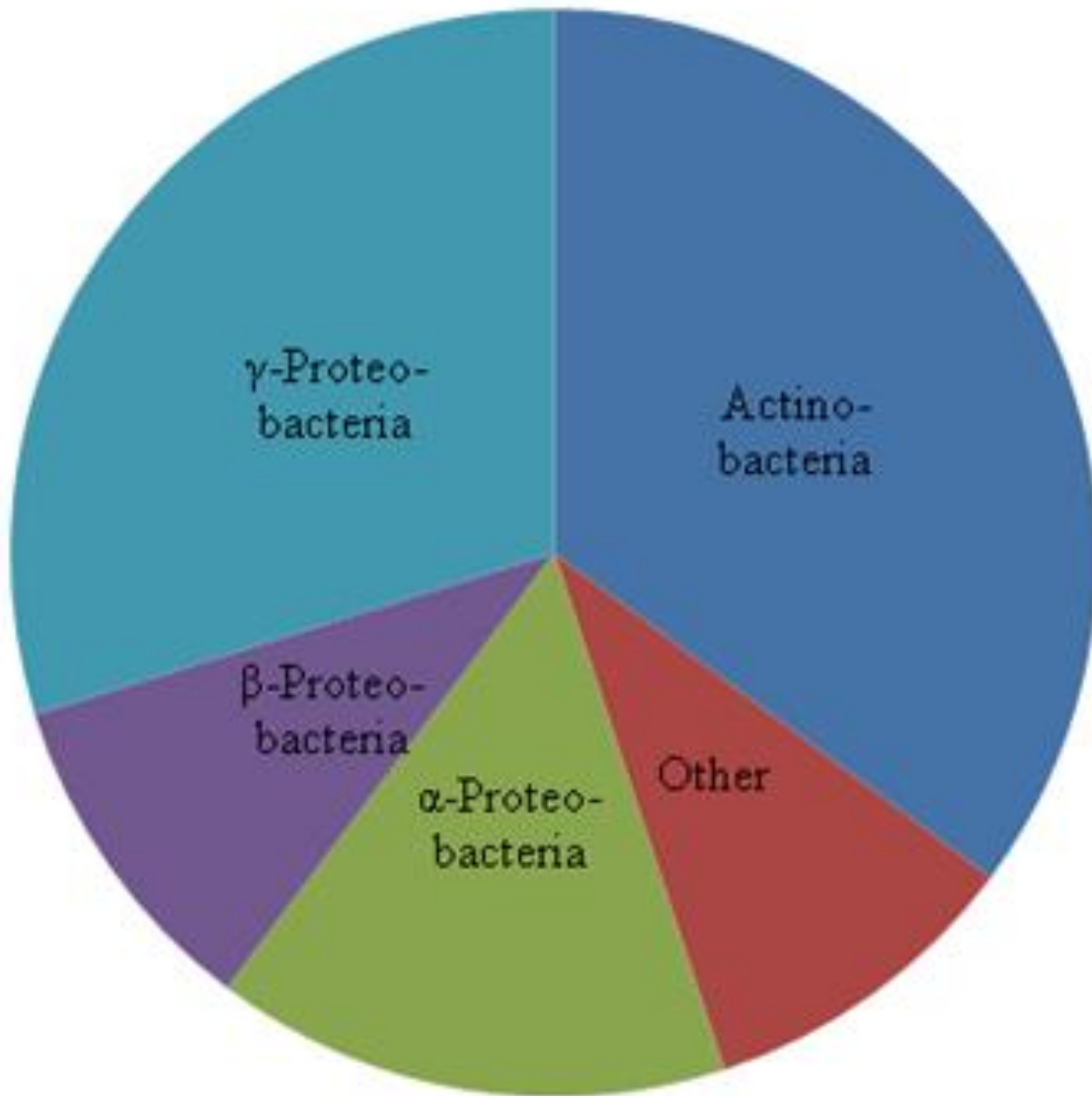


Fig. 1. Relative abundance of dominant bacterial taxa in *Scirtothrips dorsalis*. Abundance based on 23,068 contigs classified to 189 genera (supplimental table). Genera were included if identified as the best match for >3 contigs.

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