NZ_CP004006 - L. oakridgensis ATCC 44761

Single contig containing 3 clusters.

Cluster 1 - Siderophore

Conserved siderophore, all ClusterBlast hits from other Legionella. **Missing from figure 2**

Cluster 2 - Bacteriocin

Bacteriocin, similar to some Vibrio sp. bacteriocins, also found in L. oakridgensis RV-2-2007 (AZYK01000058) **Missing from figure 2**

Cluster 3 - other

NRPS-like cluster, similarities to clusters in L. massillensis and L. pneumophilia. **Locus tag match to cluster match from table S3, so likely the NRPS/FA cluster reported there**

NC_002942.5 - L. pneumophilia subsp. pneumophilia str. Phiadelphia 1

Single contig containing 6 clusters.

Cluster 1 - Bacteriocin

Found in many L. pneumophilia strains.

Cluster 2 - siderophore

Found in many L. pneumophilia strains.

Cluster 3 - Bacteriocin

Also found in other Legionella.

Cluster 4 - NRPS

Found in many L. pneumophilia strains.

Cluster 5 - Bacteriocin

Found in many L. pneumophilia strains.

NZ_JHYC00000000 - L. fairfieldensis

3 clusters, over 3 contigs.

Cluster 1 - bacteriocin

Conserved

Cluster 2 - NRPS

Not found in L. massillensis strains in similar context.

Cluster 3 - NRPS

Not really conserved.

NZ_JHYN00000000 - L. geestiana

4 clusters, over 4 contigs

Cluster 1 - other

NRPS-like, not conserved, but close to contig border

Cluster 2 - other

NRPS-like, conserved in other Legionella.

Cluster 3 - Siderophore

Similar to L. oakridgensis cluster 1 **Missing from figure 2**

Cluster 4 - Bacteriocin

Conserved in other Legionella. **Missing from figure 2**

NZ_JHYM00000000 - L. cherii

5 clusters over 2 contigs.

Cluster 1 - other

NRPS-like, conserved across Legionella.

Cluster 2 - Trans-AT-PKS

Not quite similar to Legiolulin as described in MIBiG BGC00001800000180

Cluster 3 - Type 3 PKS

Not conserved **Missing from figure 2**

Cluster 4 - Trans-AT-PKS

Similar to cluster 1 in NZ_CANP010000040 L. anisia

Cluster 5 - Bacteriocin

Conserved in some other Legionella

NZ_AUHS00000000 - L. moravica

5 clusters, over 5 contigs

Cluster 1 - other

NRPS-like, not really conserved

Cluster 2 - other

NRPS-like, similar to L. massillensis strains

Cluster 3 - Siderophore

Widely conserved

Cluster 4 - Bacteriocin

widely conserved

Cluster 5 - other

NRPS-like, not really conserved

NZ_JHWF00000000 - L. lansingenses

5 clusters over 5 contigs

Cluster 1 - NRPS

conserved

Cluster 2 - Type 3 PKS

conserved

Cluster 3 - Siderophore

Widely conserved

Cluster 4 - Bacteriocin

widely conserved

Cluster 5 - Bacteriocin

not really conserved

NC_013861.1 - L. longbeachae

9 clusters on a single contig

Cluster 1 - Bacteriocin

widely conserved

Cluster 2 - NRPS/Type 1 PKS hybrid

Found in other L. longbeachae strains, not much otherwise

Cluster 3 - Lanthipeptide

Class 3 lanthipeptde, conserved across multiple Legionella species

Cluster 4 - Type 3 PKS

Conserved across some Legionella.

Cluster 5 - Bacteriocin

Widely conserved

Cluster 6 - NRPS

Found in other L. longbeachae strains, not much otherwise

Cluster 7 - Siderophore

Found in other L. longbeachae strains, not much otherwise

Cluster 8 - Type 1 PKS

Found in other L. longbeachae strains, not much otherwise

Cluster 9 - NRPS/Type 1 PKS hybrid

Found in other L. longbeachae strains, not much otherwise maybe belongs to cluster 1?

NZ_JNCF00000000 - L. norrlandica

5 clusters over 5 contigs

Cluster 1 - Siderophore

widely conserved

Cluster 2 - Siderophore

widely conserved

Cluster 3 - NRPS

not conserved, possibly incomplete?

Cluster 4 - Bacteriocin

widely conserved

Cluster 5 - Bacteriocin

not really conserved

NZ_AREN00000000 - L. shakespearei

8 clusters over 7 contigs

Cluster 1 - Bacteriocin

widely conserved **Missing from figure 2**

Cluster 2 - Resorcinol

Not conserved

Cluster 3 - Type 1 PKS

widely conserved PKS/NRPS hybrid from figure 2?

Cluster 4 - Bacteriocin

not really conserved **Missing from figure 2**

Cluster 5 - other

NRPS-like, really small contig, likely conserved but incomplete

Cluster 6 - NRPS

Not conserved

Cluster 7 - Siderophore

widely conserved **Missing from figure 2**

Cluster 8 - Siderophore

widely conserved **Missing from figure 2**

NZ_ACUL00000000 - L. drancourtii

8 clusters over 8 contigs

Cluster 1 - NRPS

Not really conserved, but at contig border, likely inclomplete

Cluster 2 - other

NRPS-like, widely conserved

Cluster 3 - other

PKS-like, Legiolulin cluster **Missing from figure 2**

Cluster 4 - Bacteriocin

widely conserved

Cluster 5 - Type 3 PKS

not really conserved

Cluster 6 - NRPS

somewhat conserved

Cluster 7 - NRPS

widely conserved

Cluster 8 - NRPS/PKS hybrid

not conserved

NZ_JNIA00000000 - L. wadsworthii

10 clusters over 4 contigs

Cluster 1 - other

NRPS-like, not conserved

Cluster 2 - other

NRPS-like, conserved

Cluster 3 - Bacteriocin

possibly conserved

Cluster 4 - Bacteriocin

somewhat conserved

Cluster 5 - NRPS

somewhat conserved

Cluster 6 - Siderophore

widely conserved

Cluster 7 - Type 3 PKS

somewhat conserved

Cluster 8 - Type 3 PKS

not conserved

Cluster 9 - other

NRPS-like not conserved

Cluster 10 - Bacteriocin

widely conserved

NZ_JHXP00000000 - L. sainthelensis

10 clusters over 8 contigs

Cluster 1 - Bacteriocin

somewhat conserved

Cluster 2 - Type 3 PKS

somewhat conserved

Cluster 3 - Bacteriocin

widely conserved

Cluster 4 - other

NRPS-like, at end of a contig, likely incomplete

Cluster 5 - Type 1 PKS

NRPS/PKS hybrid, somewhat conserved

Cluster 6 - other

NRPS-like somewhat conserved

Cluster 7 - NRPS

at end of a contig, likely incomplete

Cluster 8 - Siderophore

widely conserved **Missing from figure 2**

Cluster 9 - NRPS

at end of a contig, likely incomplete

Cluster 10 - NRPS

at end of a contig, likely incomplete

NZ_CANP00000000 - L. anisia

12 clusters, over 8 contigs

Cluster 1 - Siderophore

widely conserved

Cluster 2 - Type 3 PKS

somewhat conserved

Cluster 3 - other

NRPS-like not conserved

Cluster 4 - bacteriocin

not conserved

Cluster 5 - NRPS-like

not conserved

Cluster 6 - Lanthipeptide

Class 3 lanthipeptide with N-terminal lactone widely conserved

Cluster 7 - other

NRPS-like, inclomplete not conserved

Cluster 8 - Trans-AT-PKS

not conserved

Cluster 9 - other

NRPS-like somewhat conserved

Cluster 10 - other

NRPS-like not conserved

Cluster 11 - NRPS-like

at end of a contig, likely incomplete

Cluster 12 - Bacteriocin

widely conserved