Neutral genomic microevolution of a recently emerged pathogen, *Salmonella enterica* serovar Agona

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Reconstruction of genomic islands and gap filling

A. Uncovered region

B. Short tandem repeats

C. Missing connection

D. Missing connection

E.

F. Large tandem repeats

G. Inversion

H. Repeats in the same direction

I. Inverted repeats

Remapping

Number of connections

Yes

No

Both ends of a contig are connected to the same contigs?

Yes

No

A contig/scaffold is connected to itself?

Yes

No

More than one connection

> 1

1 0

Yes

Yes

Yes

No

S₁ S₁L R

S₁L S₁R

S₂L S₂R

S₃L

S₂L

S₁R

S₄L

S₂RS₁R S₃L

S₁R S₂L S₂R S₃L

S₅RS₅L

S₃L

S₂L

S₁R

S₄L

S₂RS₂LS₁R S₃L

S₁R S₄L S₄R

S₂L S₂R

S₃L

S₄RS₁R S₂R

S₂L

S₁S₁ S₄ S₂ S₄ S₃ S₄

S₄

S₃S₄

S₂