

Acuitas® Whole Genome Sequence Analysis Strain Typing Report



Report Date: February 4, 2017

Report Status: Complete

CLIENT: John Doe, Ph.D.

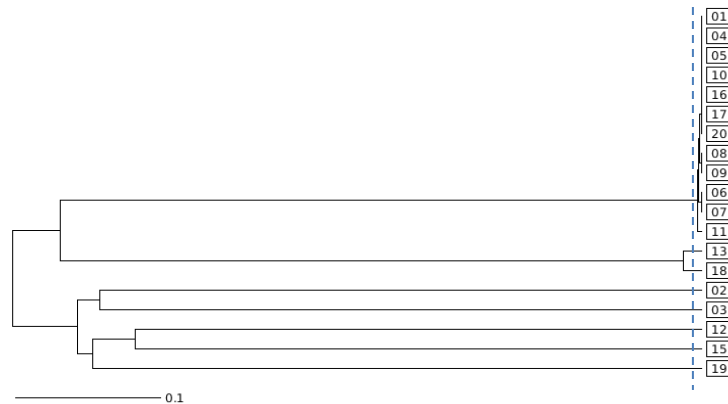
Quote #: 5555-88888

SAMPLES:

Client Specimen ID	Patient ID	OpGen Accession #	Date Collected	Date Received
123-456	N/A	L0000000-001	2/2/2017	2/3/2017

TEST RESULTS:

Dendrogram Comparing Isolates from cgMLST Analysis



INTERPRETATION:

Isolates that separate on the left side of the vertical dashed line in the dendrogram are different strains. Isolates that separate on the right side of the line exhibit less than 0.5% difference among the 3694 genes used for sequence analysis (>99.5% of the 3694 genes are identical among these isolates). "POS" indicates antibiotic resistance genes per isolate.

COMMENTS:

Report Authorized by:
Laboratory Director

DESCRIPTION OF ACUITAS WHOLE GENOME SEQUENCE ANALYSIS:

Acuitas Whole Genome Sequence Analysis provides high-resolution genotypes of antibiotic resistance which may help guide antibiotic selection and stewardship.

Acuitas Whole Genome Sequence Analysis also detects more than 2000 antibiotic resistance genes across the following classes of antibiotics or resistance:

Aminoglycosides
Fusidic Acid
Phenicol

Beta-lactams
Macrolide-Lincosamide-Streptogramin B
Sulfonamides

Fluoroquinolones
Nitroimidazole
Tetracycline

Fosfomycin
Oxazolidinones
Trimethoprim

LIMITATIONS:

ADDITIONAL INFORMATION:

Please contact OpGen Customer Support at customersupport@opgen.com or 888-856-2748