



16S Metagenomics Report

Sample: Positive

Report Date: 02/05/2019 07:11:02

Sample Information

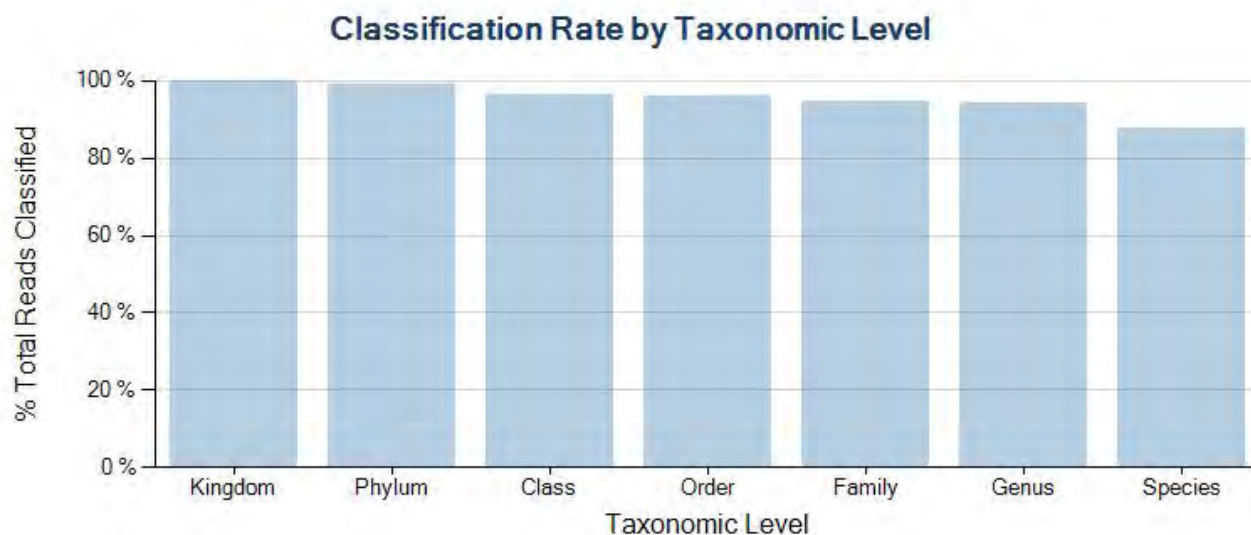
Sample ID:	Positive
Sample Name:	Positive
Run Folder:	D:\Illumina\MiSeqAnalysis\190201_M05604_0009_000000000-C8HJ8
Taxonomy File:	gg_13_5_species_32bp.dat

Sequencing Statistics

Total Reads	Reads Passing Quality Filtering	% Reads Passing Quality Filtering
230,837	198,735	86.1 %

Classification Rate Summary

Taxonomic Level	Reads Classified to Taxonomic Level	% Total Reads Classified to Taxonomic Level
Kingdom	198,356	99.81 %
Phylum	196,385	98.82 %
Class	191,600	96.41 %
Order	190,341	95.78 %
Family	188,278	94.74 %
Genus	187,095	94.14 %
Species	174,342	87.73 %



Classification Results by Taxonomic Level

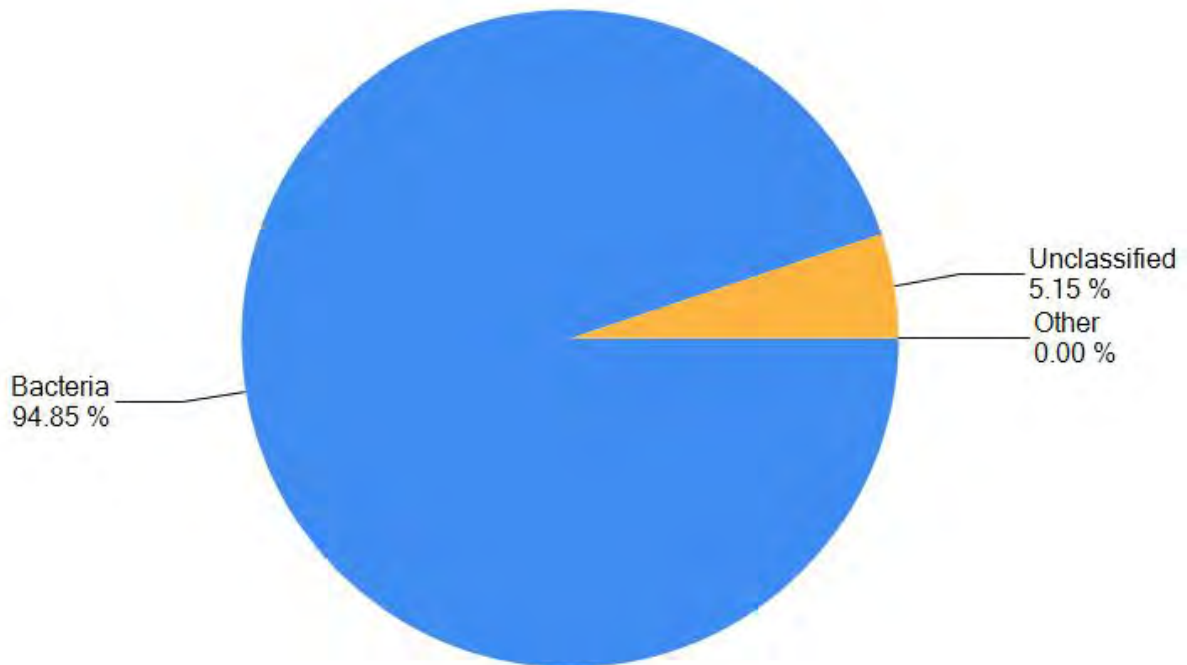
Tables show the highest 8 taxonomic classifications at each level. Pie charts show all classifications above 3.5% abundance.

Top Kingdom Classification Results

Classification	Number of Reads	% Total Reads
Bacteria	198,352	99.81 %
Unclassified at Kingdom level	379	0.19 %
Viruses	3	0.00 %
Archaea	1	0.00 %

Note: The "Other" category in this pie chart is the sum of all classifications with less than 3.5% abundance.

Top Kingdom Classification Results



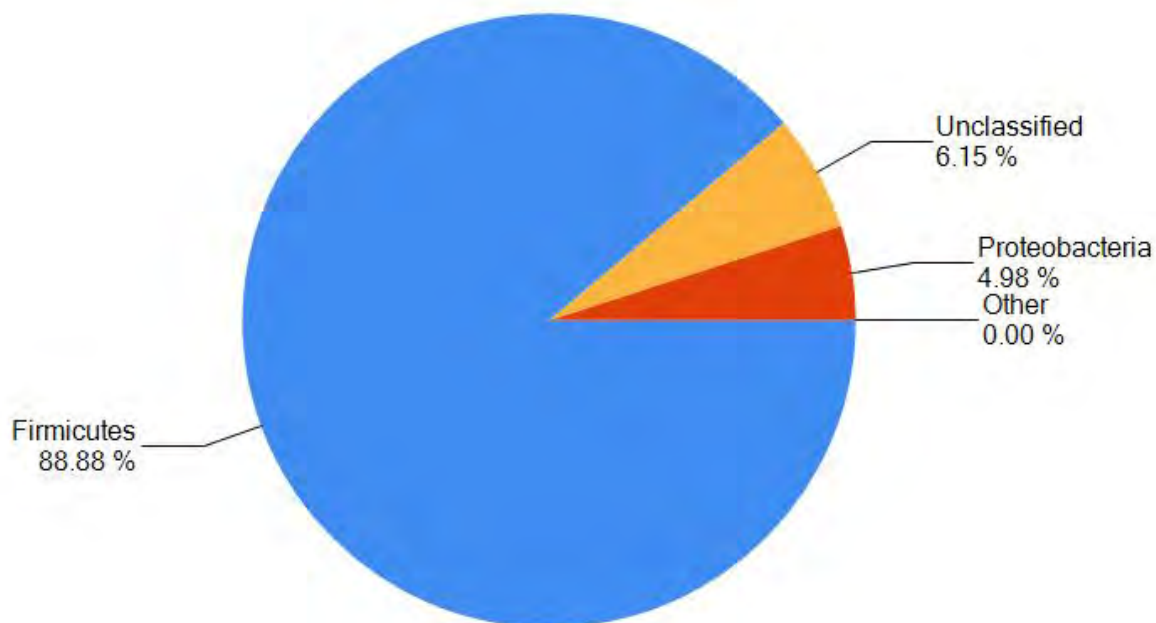
Top Phylum Classification Results

Classification	Number of Reads	% Total Reads
Firmicutes	180,863	91.01 %
Proteobacteria	14,406	7.25 %
Unclassified at Phylum level	2,350	1.18 %
Actinobacteria	674	0.34 %
Acidobacteria	103	0.05 %
Verrucomicrobia	97	0.05 %
Chloroflexi	48	0.02 %
Bacteroidetes	45	0.02 %

Total Phylum-level Taxonomic Categories Identified: 25. This table shows the top 8 of 25 classifications.

Note: The "Other" category in this pie chart is the sum of all classifications with less than 3.5% abundance.

Top Phylum Classification Results



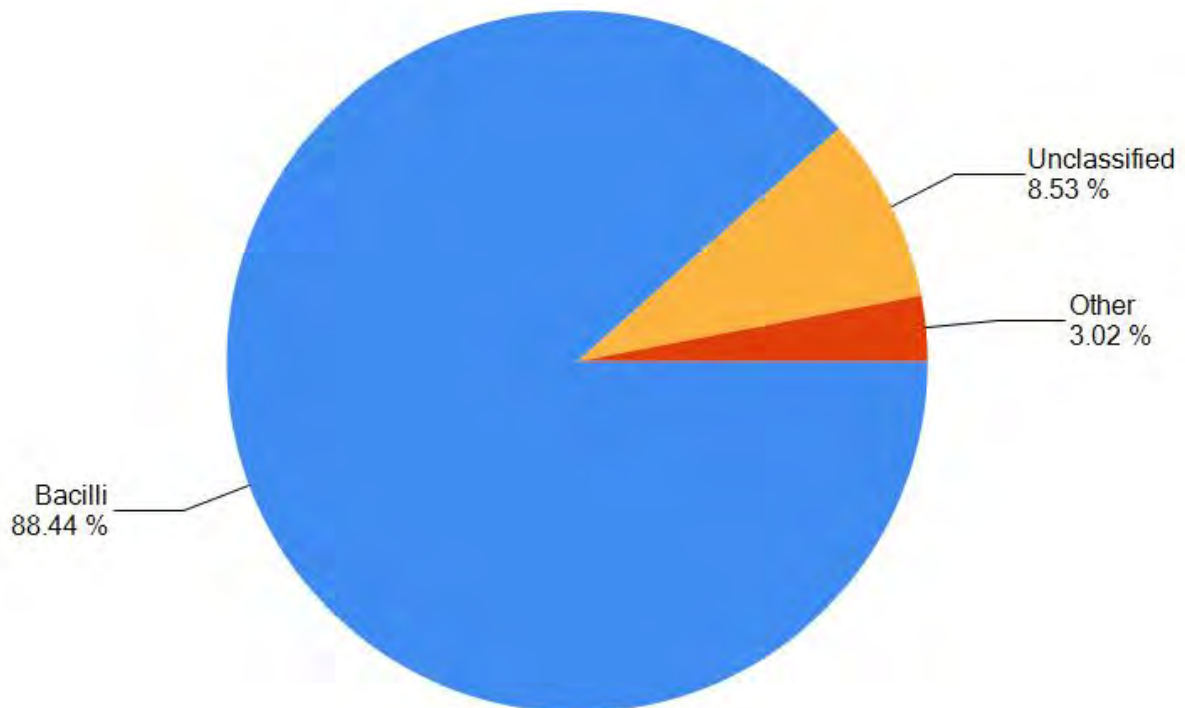
Top Class Classification Results

Classification	Number of Reads	% Total Reads
Bacilli	178,444	89.79 %
Gammaproteobacteria	8,931	4.49 %
Unclassified at Class level	7,135	3.59 %
Clostridia	1,558	0.78 %
Alphaproteobacteria	1,251	0.63 %
Actinobacteria	556	0.28 %
Deltaproteobacteria	226	0.11 %
Acidobacteria	96	0.05 %

Total Class-level Taxonomic Categories Identified: 48. This table shows the top 8 of 48 classifications.

Note: The "Other" category in this pie chart is the sum of all classifications with less than 3.5% abundance.

Top Class Classification Results



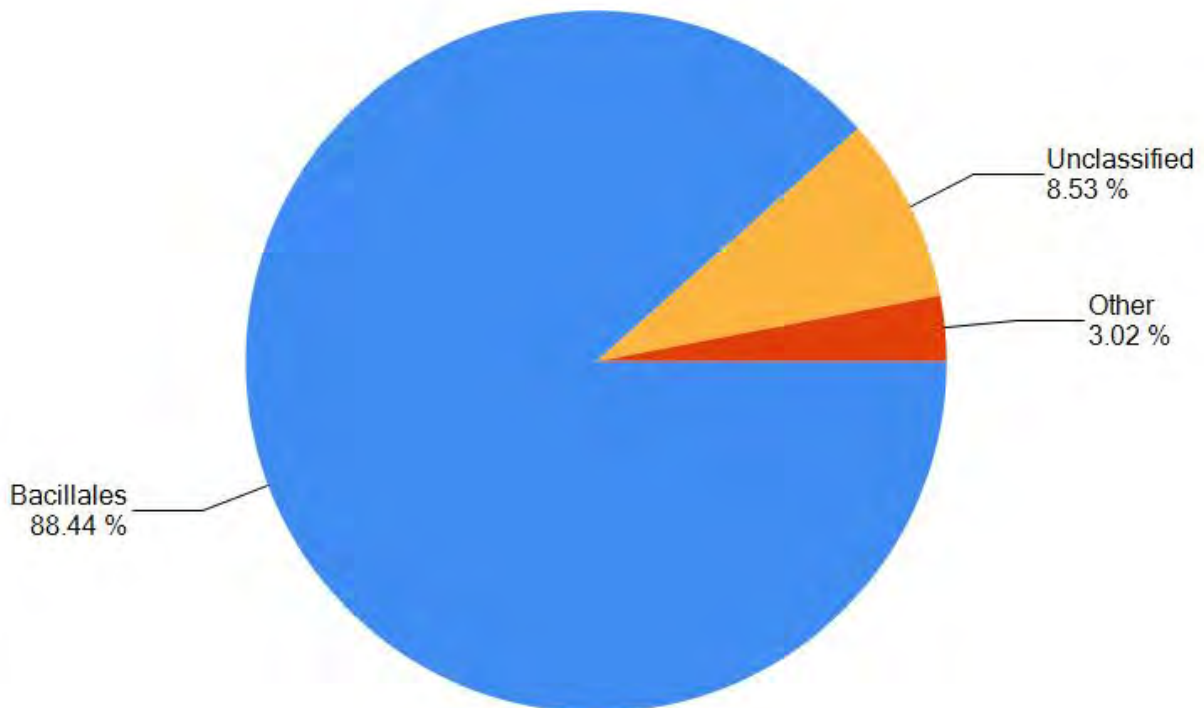
Top Order Classification Results

Classification	Number of Reads	% Total Reads
Bacillales	177,779	89.46 %
Unclassified at Order level	8,394	4.22 %
Pseudomonadales	6,391	3.22 %
Enterobacteriales	1,086	0.55 %
Clostridiales	1,023	0.51 %
Chromatiales	733	0.37 %
Actinomycetales	538	0.27 %
Rhodospirillales	427	0.21 %

Total Order-level Taxonomic Categories Identified: 85. This table shows the top 8 of 85 classifications.

Note: The "Other" category in this pie chart is the sum of all classifications with less than 3.5% abundance.

Top Order Classification Results



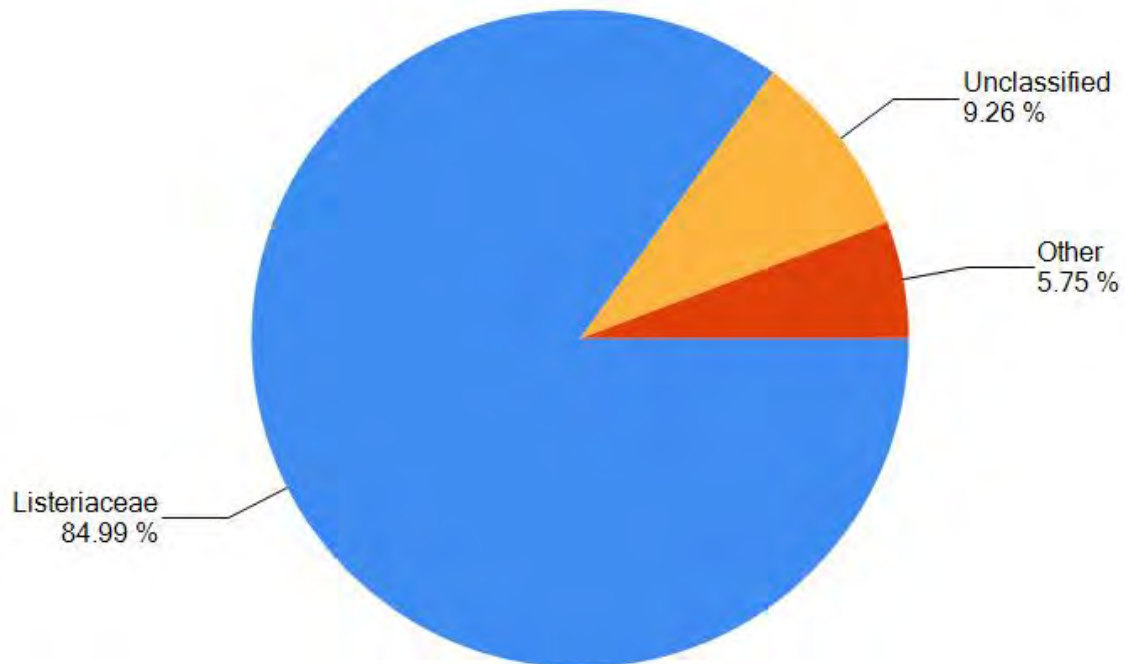
Top Family Classification Results

Classification	Number of Reads	% Total Reads
Listeriaceae	168,916	85.00 %
Unclassified at Family level	10,457	5.26 %
Bacillaceae	6,446	3.24 %
Pseudomonadaceae	6,391	3.22 %
Enterobacteriaceae	1,086	0.55 %
Paenibacillaceae	880	0.44 %
Chromatiaceae	580	0.29 %
Peptococcaceae	457	0.23 %

Total Family-level Taxonomic Categories Identified: 177. This table shows the top 8 of 177 classifications.

Note: The "Other" category in this pie chart is the sum of all classifications with less than 3.5% abundance.

Top Family Classification Results



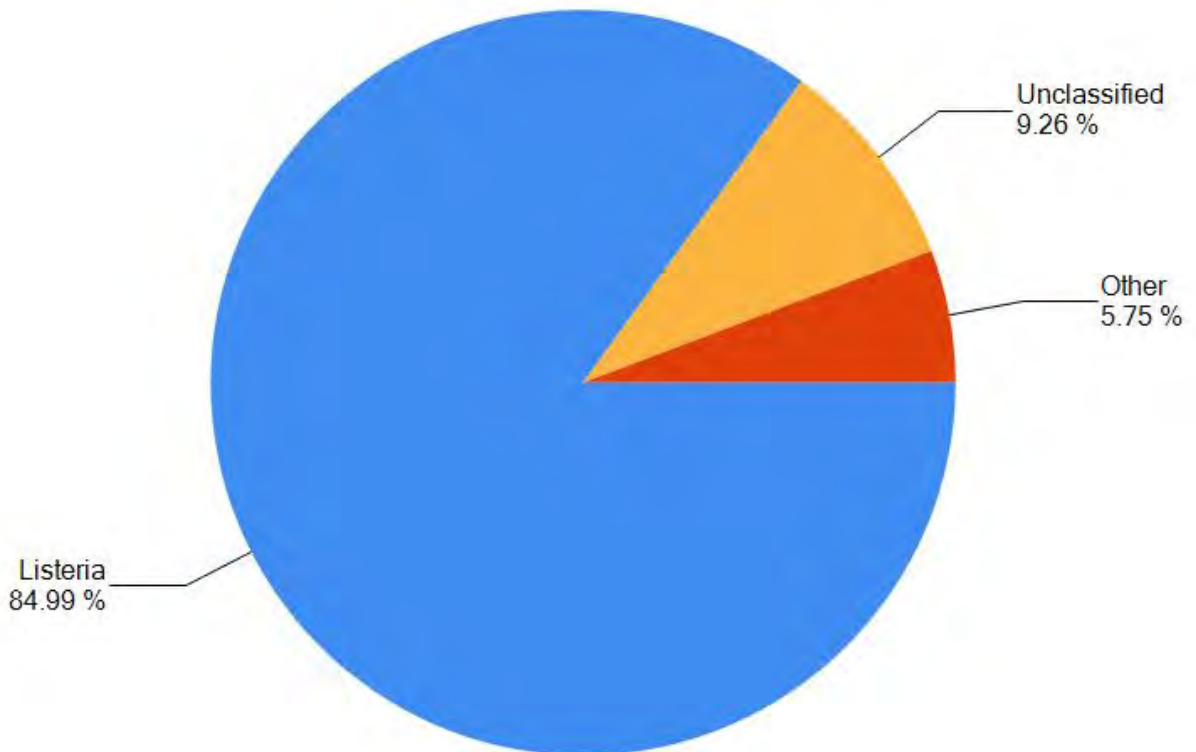
Top Genus Classification Results

Classification	Number of Reads	% Total Reads
Listeria	168,900	84.99 %
Unclassified at Genus level	11,640	5.86 %
Pseudomonas	6,315	3.18 %
Bacillus	5,743	2.89 %
Escherichia	642	0.32 %
Paenibacillus	582	0.29 %
Chromatium	317	0.16 %
Cohnella	276	0.14 %

Total Genus-level Taxonomic Categories Identified: 335. This table shows the top 8 of 335 classifications.

Note: The "Other" category in this pie chart is the sum of all classifications with less than 3.5% abundance.

Top Genus Classification Results



Top Species Classification Results

Classification	Number of Reads	% Total Reads
Listeria innocua	164,718	82.88 %
Unclassified at Species level	24,393	12.27 %
Pseudomonas aeruginosa	2,461	1.24 %
Pseudomonas otitidis	1,163	0.59 %
Bacillus axarquiensis	868	0.44 %
Bacillus malacitensis	787	0.40 %
Escherichia albertii	476	0.24 %
Chromatium weissei	317	0.16 %

Total Species-level Taxonomic Categories Identified: 362. This table shows the top 8 of 362 classifications.

Note: The "Other" category in this pie chart is the sum of all classifications with less than 3.5% abundance.

Top Species Classification Results

