Taxonomy Summary. Current Level:

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		Total	3A.fasta	3B.fasta	3C.fasta	3D.fasta	3E.fasta	5A.fasta	5B.fasta	5C.fasta	5D.fasta	5E.fasta	1151.fasta	1152.fasta	1153.fasta	1154.fasta	1155.fasta	1156.fasta	1157.fasta	1158.fas
Legend	Taxonomy	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
	Unassigned;Other	0.4%	0.4%	0.4%	0.4%	0.4%	0.3%	0.2%	0.2%	0.2%	0.1%	0.1%	0.3%	0.3%	0.3%	0.3%	0.4%	0.5%	0.4%	0.4%
	k__Archaea;p__Crenarchaeota	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Archaea;p__Euryarchaeota	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Acidobacteria	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria	0.2%	0.2%	0.1%	0.1%	0.1%	0.3%	0.2%	0.3%	0.2%	0.2%	0.2%	1.1%	0.9%	0.9%	1.0%	1.0%	0.7%	0.4%	0.4%
	k__Bacteria;p__Armatimonadetes	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Bacteroidetes	28.3%	51.5%	54.1%	52.5%	53.0%	50.0%	50.2%	47.3%	48.1%	52.2%	48.2%	30.3%	32.8%	37.3%	35.9%	32.6%	43.7%	47.2%	46.0%
	k__Bacteria;p__Chlamydiae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Cyanobacteria	0.0%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Deferribacteres	0.2%	3.0%	3.5%	2.6%	3.1%	3.8%	0.1%	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Elusimicrobia	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Fibrobacteres	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes	7.8%	32.9%	27.7%	27.5%	27.5%	30.7%	12.6%	10.8%	10.9%	11.0%	9.5%	8.5%	7.5%	7.9%	8.3%	6.9%	4.2%	4.3%	4.3%
	k__Bacteria;p__ Gemmatimonadetes	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Nitrospirae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__OP3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Planctomycetes	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria	26.9%	3.2%	3.3%	3.5%	3.6%	3.2%	6.3%	5.7%	5.2%	5.7%	4.6%	41.9%	36.7%	33.7%	34.0%	34.2%	28.9%	22.3%	24.2%
	k__Bacteria;p__TM6	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Tenericutes	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Verrucomicrobia	36.3%	8.6%	10.8%	13.3%	12.1%	11.6%	30.1%	35.6%	35.3%	30.7%	37.3%	18.0%	21.8%	19.9%	20.4%	24.9%	22.0%	25.4%	24.6%
	k__Bacteria;p__[Thermi]	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Taxonomy Summary. Current Level:

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		Total	3A.fasta	3B.fasta	3C.fasta	3D.fasta	3E.fasta	5A.fasta	5B.fasta	5C.fasta	5D.fasta	5E.fasta	1151.fasta	1152.fasta	1153.fasta	1154.fasta	1155.fasta	1156.fasta	1157.fasta	1158.fast
Legend	Taxonomy	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
	Unassigned;Other;Other	0.4%	0.4%	0.4%	0.4%	0.4%	0.3%	0.2%	0.2%	0.2%	0.1%	0.1%	0.3%	0.3%	0.3%	0.3%	0.4%	0.5%	0.4%	0.4%
	k__Archaea;p__Crenarchaeota;c__Thaumarchaeota	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Archaea;p__Euryarchaeota;c__Thermoplasmata	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;Other;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Acidobacteria;c__Acidobacteria-5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Acidobacteria;c	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

	__Acidobacteria-6																			
	k__Bacteria;p__Acidobacteria;c__Acidobacteriia	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Acidobacteria;c__DA052	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Acidobacteria;c__EC1113	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Acidobacteria;c__Solibacteres	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Acidobacteria;c__Sva0725	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Acidobacteria;c__[Chloracidobacteria]	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Acidobacteria;c__iii1-8	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria;c__Acidimicrobiia	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria;c__Actinobacteria	0.2%	0.2%	0.1%	0.1%	0.1%	0.2%	0.2%	0.3%	0.2%	0.2%	0.1%	1.1%	0.9%	0.9%	1.0%	1.0%	0.7%	0.4%	0.4%
	k__Bacteria;p__Actinobacteria;c__Coriobacteriia	0.0%	0.1%	0.0%	0.0%	0.0%	0.1%	0.1%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria;c__MB-A2-108	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria;c__Nitriliruptoria	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria;c__Rubrobacteria	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria;c__Thermoleophilia	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Armatimonadetes;c__Chthonomonadetes	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Bacteroidetes;c__Bacteroidia	28.3%	51.5%	54.1%	52.5%	53.0%	50.0%	50.2%	47.3%	48.1%	52.2%	48.2%	30.3%	32.8%	37.3%	35.9%	32.6%	43.7%	47.2%	46.0%
	k__Bacteria;p__Bacteroidetes;c__Cytophagia	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Bacteroidetes;c__Flavobacteriia	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Bacteroidetes;c__Sphingobacteriia	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Bacteroidetes;c__[Saprospirae]	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chlamydiae;c__Chlamydiia	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__Anaerolineae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__C0119	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__Chloroflexi	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__Ellin6529	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__Gitt-GS-136	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

	k__Bacteria;p__Chloroflexi;c__Ktedonobacteria	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__S085	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__TK10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__TK17	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__Thermomicrobia	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Cyanobacteria;c__4C0d-2	0.0%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Cyanobacteria;c__Chloroplast	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Cyanobacteria;c__ML635J-21	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Cyanobacteria;c__Oscillatoriophycideae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Cyanobacteria;c__Synechococcophycideae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Deferribacteres;c__Deferribacteres	0.2%	3.0%	3.5%	2.6%	3.1%	3.8%	0.1%	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Elusimicrobia;c__Elusimicrobia	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Fibrobacteres;c__Fibrobacteria	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Bacilli	0.8%	2.1%	1.3%	1.5%	1.4%	2.3%	3.3%	2.5%	2.9%	3.3%	2.4%	3.0%	2.4%	2.4%	2.6%	2.2%	1.4%	1.1%	1.1%
	k__Bacteria;p__Firmicutes;c__Clostridia	7.0%	30.7%	26.4%	25.9%	26.0%	28.4%	9.4%	8.2%	8.0%	7.7%	7.1%	5.5%	5.1%	5.5%	5.7%	4.7%	2.8%	3.2%	3.1%
	k__Bacteria;p__Firmicutes;c__Erysipelotrichi	0.0%	0.1%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Gemmatimonadetes;c__Gemm-1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Gemmatimonadetes;c__Gemm-2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Gemmatimonadetes;c__Gemm-3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Gemmatimonadetes;c__Gemm-5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Gemmatimonadetes;c__Gemmatimonadetes	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Nitrospirae;c__Nitrospira	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__OP3;c__koll11	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Planctomycetes;c__Phycisphaerae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Planctomycetes;c__Planctomycetia	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Planctomycetes;c__vadinHA49	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

	Other																			
	k__Bacteria;p__Proteobacteria;c__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Betaproteobacteria	1.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.6%	1.2%	1.2%	1.1%	1.3%	1.8%	1.2%	1.3%
	k__Bacteria;p__Proteobacteria;c__Deltaproteobacteria	4.8%	3.1%	3.3%	3.4%	3.5%	3.1%	4.3%	3.9%	3.4%	4.0%	3.0%	6.5%	5.0%	5.0%	5.2%	4.9%	3.1%	2.3%	2.3%
	k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria	20.9%	0.0%	0.0%	0.0%	0.0%	0.0%	2.0%	1.7%	1.8%	1.7%	1.5%	33.7%	30.4%	27.5%	27.7%	28.0%	24.1%	18.8%	20.7%
	k__Bacteria;p__TM6;c__SJA-4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Tenericutes;c__Mollicutes	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Verrucomicrobia;c__Opitutae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Verrucomicrobia;c__Verrucomicrobiae	36.3%	8.6%	10.8%	13.3%	12.1%	11.6%	30.1%	35.6%	35.3%	30.7%	37.3%	18.0%	21.8%	19.9%	20.4%	24.9%	22.0%	25.4%	24.6%
	k__Bacteria;p__Verrucomicrobia;c__[Pedosphaerae]	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Verrucomicrobia;c__[Spartobacteria]	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__[Thermi];c__Deinococci	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Taxonomy Summary. Current Level:

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		Total	3A.fasta	3B.fasta	3C.fasta	3D.fasta	3E.fasta	5A.fasta	5B.fasta	5C.fasta	5D.fasta	5E.fasta	1151.fasta	1152.fasta	1153.fasta	1154.fasta	1155.fasta	1156.fasta	1157.fasta	1158.fa
Legend	Taxonomy	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
	Unassigned;Other;Other;Other	0.4%	0.4%	0.4%	0.4%	0.4%	0.3%	0.2%	0.2%	0.2%	0.1%	0.1%	0.3%	0.3%	0.3%	0.3%	0.4%	0.5%	0.4%	0.4%
	k__Archaea;p__Crenarchaeota;c__Thaumarchaeota;o__Nitrososphaerales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Archaea;p__Euryarchaeota;c__Thermoplasmata;o__E2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;Other;Other;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Acidobacteria;c__Acidobacteria-5;o__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Acidobacteria;c__Acidobacteria-6;o__CCU21	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Acidobacteria;c__Acidobacteria-6;o__iii1-15	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Acidobacteria;c__Acidobacteriia;o__Acidobacteriales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Acidobacteria;c__DA052;o__Ellin6513	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Acidobacteria;	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

	c__EC1113;o__																			
	k__Bacteria;p__Acidobacteria; c__Solibacteres;o__JH-WHS99	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Acidobacteria; c__Solibacteres;o__Solibacterales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Acidobacteria; c__Sva0725;o__Sva0725	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Acidobacteria; c__[Chloracidobacteria];o__11-24	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Acidobacteria; c__[Chloracidobacteria];o__RB41	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Acidobacteria; c__iii1-8;o__32-20	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Acidobacteria; c__iii1-8;o__DS-18	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria; c__Acidimicrobiia;o__ Acidimicrobiales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria; c__Actinobacteria;o__ Actinomycetales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria; c__Actinobacteria;o__ Bifidobacteriales	0.2%	0.2%	0.1%	0.1%	0.1%	0.2%	0.2%	0.3%	0.2%	0.2%	0.1%	1.1%	0.9%	0.9%	1.0%	1.0%	0.7%	0.4%	0.4%
	k__Bacteria;p__Actinobacteria; c__Actinobacteria;o__ Micrococcales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria; c__Coriobacteriia;o__ Coriobacteriales	0.0%	0.1%	0.0%	0.0%	0.0%	0.1%	0.1%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria; c__MB-A2-108;o__0319-7L14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria; c__Nitriliruptoria;o__Euzebyales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria; c__Rubrobacteria;o__ Rubrobacterales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria; c__Thermoleophilia;o__Gaiellales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria; c__Thermoleophilia;o__ Solirubrobacterales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__ Armatimonadetes;c__ Chthonomonadetes;o__SJA-22	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Bacteroidetes; c__Bacteroidia;o__Bacteroidales	28.3%	51.5%	54.1%	52.5%	53.0%	50.0%	50.2%	47.3%	48.1%	52.2%	48.2%	30.3%	32.8%	37.3%	35.9%	32.6%	43.7%	47.2%	46.0%
	k__Bacteria;p__Bacteroidetes; c__Cytophagia;o__Cytophagales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Bacteroidetes; c__Flavobacteriia;o__ Flavobacteriales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Bacteroidetes; c__Sphingobacteriia;o__ Sphingobacteriales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

	k__Bacteria;p__Bacteroidetes;c__[Saprospirae];o__[Saprospirales]	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chlamydiae;c__Chlamydiia;o__Chlamydiales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__Anaerolineae;o__H39	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__C0119;o__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__Chloroflexi;o__AKIW781	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__Chloroflexi;o__[Roseiflexales]	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__Ellin6529;o__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__Gitt-GS-136;o__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__Ktedonobacteria;o__Ktedonobacterales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__Ktedonobacteria;o__TK10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__Ktedonobacteria;o__Thermogemmatisporales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__S085;o__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__TK10;o__AKYG885	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__TK10;o__B07_WMSP1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__TK17;o__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__Thermomicrobia;o__AKYG1722	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__Thermomicrobia;o__JG30-KF-CM45	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__Thermomicrobia;o__Sphaerobacterales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Cyanobacteria;c__4C0d-2;o__SM1D11	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Cyanobacteria;c__4C0d-2;o__YS2	0.0%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Cyanobacteria;c__Chloroplast;o__Chlorophyta	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Cyanobacteria;c__ML635J-21;o__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Cyanobacteria;c__Oscillatoriophycideae;o__Oscillatoriales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Cyanobacteria;c__Synechococcophycideae;o__Pseudanabaenales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

	k__Bacteria;p__Deferribacteres;c__Deferribacteres;o__Deferribacterales	0.2%	3.0%	3.5%	2.6%	3.1%	3.8%	0.1%	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Elusimicrobia;c__Elusimicrobia;o__FAC88	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Fibrobacteres;c__Fibrobacteria;o__258ds10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales	0.8%	2.0%	1.2%	1.4%	1.3%	2.2%	3.2%	2.5%	2.8%	3.3%	2.4%	3.0%	2.4%	2.4%	2.6%	2.2%	1.4%	1.1%	1.1%
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Turicibacterales	0.0%	0.1%	0.1%	0.0%	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales	7.0%	30.7%	26.4%	25.9%	26.0%	28.4%	9.4%	8.2%	8.0%	7.7%	7.1%	5.5%	5.1%	5.5%	5.7%	4.7%	2.8%	3.2%	3.1%
	k__Bacteria;p__Firmicutes;c__Clostridia;o__OPB54	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Erysipelotrichi;o__Erysipelotrichales	0.0%	0.1%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Gemmatimonadetes;c__Gemm-1;o__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Gemmatimonadetes;c__Gemm-2;o__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Gemmatimonadetes;c__Gemm-3;o__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Gemmatimonadetes;c__Gemm-5;o__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Gemmatimonadetes;c__Gemmatimonadetes;o__Ellin5290	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Gemmatimonadetes;c__Gemmatimonadetes;o__Gemmatimonadales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Gemmatimonadetes;c__Gemmatimonadetes;o__N1423WL	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Nitrospirae;c__Nitrospira;o__Nitrospirales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__OP3;c__koll11;o__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Planctomycetes;c__Phycisphaerae;o__WD2101	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Planctomycetes;c__Planctomycetia;o__Gemmatales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Planctomycetes;c__Planctomycetia;o__Pirellulales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Planctomycetes;	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

	c__Planctomycetia;o__ Planctomycetales																			
	k__Bacteria;p__Planctomycetes; c__vadinHA49;o__DH61	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Planctomycetes; c__vadinHA49;o__p04_C01	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; Other;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__;o__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Caulobacterales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Ellin329	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Rhizobiales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Rhodospirillales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Rickettsiales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Sphingomonadales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Betaproteobacteria;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Betaproteobacteria;o__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Betaproteobacteria;o__ Burkholderiales	1.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.6%	1.2%	1.2%	1.1%	1.3%	1.8%	1.2%	1.3%
	k__Bacteria;p__Proteobacteria; c__Betaproteobacteria;o__ Ellin6067	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Betaproteobacteria;o__IS-44	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Betaproteobacteria;o__MND1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Betaproteobacteria;o__SC-I-84	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Deltaproteobacteria;o__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Deltaproteobacteria;o__ Bdellovibrionales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Deltaproteobacteria;o__ Desulfovibrionales	4.8%	3.1%	3.3%	3.4%	3.5%	3.1%	4.3%	3.9%	3.4%	4.0%	3.0%	6.5%	5.0%	5.0%	5.2%	4.9%	3.1%	2.3%	2.3%
	k__Bacteria;p__Proteobacteria; c__Deltaproteobacteria;o__ Desulfuromonadales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

	k__Bacteria;p__Proteobacteria;c__Deltaproteobacteria;o__MIZ46	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Deltaproteobacteria;o__Myxococcales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Deltaproteobacteria;o__Spirobacillales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Deltaproteobacteria;o__Syntrophobacterales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Deltaproteobacteria;o__[Entotheonellales]	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacteriales	20.9%	0.0%	0.0%	0.0%	0.0%	0.0%	2.0%	1.7%	1.8%	1.7%	1.5%	33.7%	30.4%	27.5%	27.7%	28.0%	24.1%	18.8%	20.7%
	k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Legionellales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Pseudomonadales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Xanthomonadales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__TM6;c__SJA-4;o__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Tenericutes;c__Mollicutes;o__Anaeroplasmatales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Tenericutes;c__Mollicutes;o__RF39	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Verrucomicrobia;c__Opitutae;o__Opitutales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Verrucomicrobia;c__Verrucomicrobiae;o__Verrucomicrobiales	36.3%	8.6%	10.8%	13.3%	12.1%	11.6%	30.1%	35.6%	35.3%	30.7%	37.3%	18.0%	21.8%	19.9%	20.4%	24.9%	22.0%	25.4%	24.6%
	k__Bacteria;p__Verrucomicrobia;c__[Pedosphaerae];o__[Pedosphaerales]	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Verrucomicrobia;c__[Spartobacteria];o__[Chthoniobacterales]	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__[Thermi];c__Deinococci;o__Deinococcales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Taxonomy Summary. Current Level:

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	Total	3A.fasta	3B.fasta	3C.fasta	3D.fasta	3E.fasta	5A.fasta	5B.fasta	5C.fasta	5D.fasta	5E.fasta	1151.fasta	1152.fasta	1153.fasta	1154.fasta	1155.fasta	1156.fasta	1157.fasta	115

Legend	Taxonomy	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
	Unassigned;Other;Other;Other;Other	0.4%	0.4%	0.4%	0.4%	0.4%	0.3%	0.2%	0.2%	0.2%	0.1%	0.1%	0.3%	0.3%	0.3%	0.3%	0.4%	0.5%	0.4%	(
	k__Archaea;p__Crenarchaeota;c__Thaumarchaeota;o__Nitrososphaerales;f__Nitrososphaeraceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Archaea;p__Euryarchaeota;c__Thermoplasmata;o__E2;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;Other;Other;Other;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Acidobacteria;c__Acidobacteria-5;o__;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Acidobacteria;c__Acidobacteria-6;o__CCU21;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Acidobacteria;c__Acidobacteria-6;o__iii1-15;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Acidobacteria;c__Acidobacteria-6;o__iii1-15;f__RB40	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Acidobacteria;c__Acidobacteria-6;o__iii1-15;f__mb2424	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Acidobacteria;c__Acidobacteriia;o__Acidobacteriales;f__Acidobacteriaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Acidobacteria;c__Acidobacteriia;o__Acidobacteriales;f__Koribacteraceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Acidobacteria;c__DA052;o__Ellin6513;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Acidobacteria;c__EC1113;o__;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Acidobacteria;c__Solibacteres;o__JH-WHS99;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Acidobacteria;c__Solibacteres;o__Solibacterales;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Acidobacteria;c__Solibacteres;o__Solibacterales;f__Solibacteraceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Acidobacteria;c__Sva0725;o__Sva0725;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Acidobacteria;c__[Chloracidobacteria];o__11-24;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Acidobacteria;c__[Chloracidobacteria];o__RB41;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Acidobacteria;c__[Chloracidobacteria];o__RB41;f__Ellin6075	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Acidobacteria;c__iii1-8;o__32-20;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Acidobacteria;c__iii1-8;o__DS-18;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Actinobacteria;c__Acidimicrobiia;o__Acidimicrobiales;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(

	k__Bacteria;p__Actinobacteria;c__Acidimicrobiia;o__Acidimicrobiales;f__C111	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Actinobacteria;c__Acidimicrobiia;o__Acidimicrobiales;f__EB1017	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Cellulomonadaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Frankiaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Geodermatophilaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Intrasporangiaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Kineosporiaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Microbacteriaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Micrococcaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Micromonosporaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Mycobacteriaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Nakamurellaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Nocardiaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Nocardioidaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Pseudonocardiaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(

	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Streptomycetaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Streptosporangiaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Thermomonosporaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Bifidobacteriales;f__Bifidobacteriaceae	0.2%	0.2%	0.1%	0.1%	0.1%	0.2%	0.2%	0.3%	0.2%	0.2%	0.1%	1.1%	0.9%	0.9%	1.0%	1.0%	0.7%	0.4%	(
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Micrococcales;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Actinobacteria;c__Coriobacteriia;o__Coriobacteriales;f__Coriobacteriaceae	0.0%	0.1%	0.0%	0.0%	0.0%	0.1%	0.1%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Actinobacteria;c__MB-A2-108;o__0319-7L14;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Actinobacteria;c__Nitriliruptoria;o__Euzebyales;f__Euzebyaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Actinobacteria;c__Rubrobacteria;o__Rubrobacterales;f__Rubrobacteraceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Actinobacteria;c__Thermoleophilia;o__Gaiellales;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Actinobacteria;c__Thermoleophilia;o__Gaiellales;f__AK1AB1_02E	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Actinobacteria;c__Thermoleophilia;o__Gaiellales;f__Gaiellaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Actinobacteria;c__Thermoleophilia;o__Solirubrobacterales;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Actinobacteria;c__Thermoleophilia;o__Solirubrobacterales;f__Conexibacteraceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Actinobacteria;c__Thermoleophilia;o__Solirubrobacterales;f__Patulibacteraceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Actinobacteria;c__Thermoleophilia;o__Solirubrobacterales;f__Solirubrobacteraceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Armatimonadetes;c__Chthonomonadetes;o__SJA-22;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Bacteroidetes;	25.0%	25.6%	25.6%	24.7%	24.7%	23.5%	28.4%	28.8%	29.6%	32.3%	31.4%	30.2%	32.7%	37.3%	35.8%	32.5%	43.4%	47.0%	4

	c__Bacteroidia;o__Bacteroidales;f__ Bacteroidaceae																			
	k__Bacteria;p__Bacteroidetes; c__Bacteroidia;o__Bacteroidales;f__ Porphyromonadaceae	0.8%	5.9%	6.9%	5.5%	6.3%	4.7%	7.3%	6.2%	5.7%	6.9%	5.8%	0.1%	0.1%	0.1%	0.1%	0.1%	0.2%	0.2%	(
	k__Bacteria;p__Bacteroidetes; c__Bacteroidia;o__ Bacteroidales;f__Rikenellaceae	1.0%	5.6%	5.4%	5.4%	5.4%	6.4%	0.3%	0.3%	0.3%	0.3%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Bacteroidetes; c__Bacteroidia;o__ Bacteroidales;f__S24-7	1.4%	14.4%	16.1%	16.9%	16.6%	15.5%	14.3%	12.1%	12.5%	12.7%	10.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Bacteroidetes; c__Cytophagia;o__Cytophagales; f__Cytophagaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Bacteroidetes; c__Flavobacteriia;o__ Flavobacteriales;f__Flavobacteriaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Bacteroidetes; c__Sphingobacteriia;o__ Sphingobacteriales;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Bacteroidetes; c__Sphingobacteriia;o__ Sphingobacteriales;f__ Sphingobacteriaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Bacteroidetes; c__[Saprospirae];o__[Saprospirales];f__Chitinophagaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Chlamydiae;c__ Chlamydiia;o__Chlamydiales;f__ Parachlamydiaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Chlamydiae;c__ Chlamydiia;o__Chlamydiales;f__ Rhabdochlamydiaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Chloroflexi;c__ Anaerolineae;o__H39;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Chloroflexi;c__ C0119;o__;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Chloroflexi;c__ Chloroflexi;o__AKIW781;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Chloroflexi;c__ Chloroflexi;o__[Roseiflexales];f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Chloroflexi;c__ Ellin6529;o__;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Chloroflexi;c__Gitt-GS-136;o__;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Chloroflexi;c__ Ktedonobacteria;o__ Ktedonobacterales;f__ Ktedonobacteraceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Chloroflexi;c__ Ktedonobacteria;o__TK10;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Chloroflexi;c__ Ktedonobacteria;o__ Thermogemmatisporales;f__ Thermogemmatisporaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Chloroflexi;c__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(

	S085;o__;f__																			
	k__Bacteria;p__Chloroflexi;c__TK10;o__AKYG885;f__Dolo_23	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Chloroflexi;c__TK10;o__B07_WMSP1;f__FFCH4570	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Chloroflexi;c__TK17;o__;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Chloroflexi;c__Thermomicrobia;o__AKYG1722;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Chloroflexi;c__Thermomicrobia;o__JG30-KF-CM45;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Chloroflexi;c__Thermomicrobia;o__Sphaerobacterales;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Cyanobacteria;c__4C0d-2;o__SM1D11;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Cyanobacteria;c__4C0d-2;o__YS2;f__	0.0%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Cyanobacteria;c__Chloroplast;o__Chlorophyta;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Cyanobacteria;c__ML635J-21;o__;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Cyanobacteria;c__Oscillatoriophycideae;o__Oscillatoriales;f__Phormidiaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Cyanobacteria;c__Synechococcophycideae;o__Pseudanabaenales;f__Pseudanabaenaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Deferribacteres;c__Deferribacteres;o__Deferribacterales;f__Deferribacteraceae	0.2%	3.0%	3.5%	2.6%	3.1%	3.8%	0.1%	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Elusimicrobia;c__Elusimicrobia;o__FAC88;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Fibrobacteres;c__Fibrobacteria;o__258ds10;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Alicyclobacillaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Bacillaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Paenibacillaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Planococcaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(

	Staphylococcaceae																			
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Thermoactinomycetaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Enterococcaceae	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	0.5%	0.4%	0.5%	0.4%	0.1%	0.1%	(
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Lactobacillaceae	0.6%	2.0%	1.2%	1.4%	1.3%	2.2%	3.2%	2.5%	2.8%	3.3%	2.4%	2.4%	1.9%	2.0%	2.0%	1.8%	1.3%	1.0%	1
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Streptococcaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Turicibacterales;f__Turicibacteraceae	0.0%	0.1%	0.1%	0.0%	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__	0.8%	14.9%	12.9%	13.0%	12.7%	13.4%	4.4%	3.6%	3.6%	3.5%	3.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Clostridiaceae	3.3%	1.5%	1.2%	0.9%	0.9%	1.4%	1.8%	1.7%	1.7%	1.8%	1.7%	3.0%	2.9%	3.3%	3.3%	2.3%	1.5%	1.8%	1
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Dehalobacteriaceae	0.0%	0.5%	0.4%	0.4%	0.4%	0.3%	0.2%	0.2%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Lachnospiraceae	2.1%	6.6%	5.5%	5.1%	5.3%	6.6%	1.2%	1.3%	1.1%	1.0%	1.1%	1.8%	1.5%	1.5%	1.6%	1.6%	1.1%	1.2%	1
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Peptococcaceae	0.0%	0.3%	0.3%	0.3%	0.3%	0.3%	0.1%	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Peptostreptococcaceae	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.8%	0.7%	0.7%	0.8%	0.7%	0.3%	0.2%	(
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Ruminococcaceae	0.4%	6.9%	6.1%	6.2%	6.5%	6.4%	1.7%	1.4%	1.4%	1.2%	1.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Symbiobacteriaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__[Mogibacteriaceae]	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Firmicutes;c__Clostridia;o__OPB54;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Firmicutes;c__Erysipelotrichi;o__Erysipelotrichales;f__Erysipelotrichaceae	0.0%	0.1%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Gemmatimonadetes;c__Gemm-1;o__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(

	;f__																			
	k__Bacteria;p__ Gemmatimonadetes;c__Gemm-2;o__ ;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__ Gemmatimonadetes;c__Gemm-3;o__ ;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__ Gemmatimonadetes;c__Gemm-5;o__ ;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__ Gemmatimonadetes;c__ Gemmatimonadetes;o__Ellin5290;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__ Gemmatimonadetes;c__ Gemmatimonadetes;o__ Gemmatimonadales;f__Ellin5301	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__ Gemmatimonadetes;c__ Gemmatimonadetes;o__N1423WL;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Nitrospirae;c__ Nitrospira;o__Nitrospirales;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Nitrospirae;c__ Nitrospira;o__Nitrospirales;f__0319-6A21	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__OP3;c__koll11; o__;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Planctomycetes; c__Phycisphaerae;o__WD2101;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Planctomycetes; c__Planctomycetia;o__ Gemmatales;f__Gemmataceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Planctomycetes; c__Planctomycetia;o__ Gemmatales;f__Isosphaeraceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Planctomycetes; c__Planctomycetia;o__ Pirellulales;f__Pirellulaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Planctomycetes; c__Planctomycetia;o__ Planctomycetales;f__ Planctomycetaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Planctomycetes; c__vadinHA49;o__DH61;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Planctomycetes; c__vadinHA49;o__p04_C01;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Proteobacteria; Other;Other;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Proteobacteria; c__;o__;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Caulobacterales;f__Caulobacteraceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Ellin329;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(

	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Rhizobiales;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Rhizobiales;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Rhizobiales;f__Beijerinckiaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Rhizobiales;f__Bradyrhizobiaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Rhizobiales;f__Hyphomicrobiaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Rhizobiales;f__Methylobacteriaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Rhizobiales;f__Methylocystaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Rhizobiales;f__Phyllobacteriaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Rhizobiales;f__Rhizobiaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Rhizobiales;f__Xanthobacteraceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Rhodospirillales;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Rhodospirillales;f__Acetobacteraceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Rhodospirillales;f__Rhodospirillaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Rickettsiales;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Sphingomonadales;f__ Sphingomonadaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Proteobacteria; c__Betaproteobacteria;Other;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Proteobacteria; c__Betaproteobacteria;o__;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Proteobacteria; c__Betaproteobacteria;o__ Burkholderiales;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Proteobacteria; c__Betaproteobacteria;o__ Burkholderiales;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(

	k__Bacteria;p__Proteobacteria; c__Betaproteobacteria;o__ Burkholderiales;f__Alcaligenaceae	1.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.6%	1.2%	1.2%	1.1%	1.3%	1.8%	1.2%	1
	k__Bacteria;p__Proteobacteria; c__Betaproteobacteria;o__ Burkholderiales;f__Burkholderiaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
	k__Bacteria;p__Proteobacteria; c__Betaproteobacteria;o__ Burkholderiales;f__Comamonadaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
	k__Bacteria;p__Proteobacteria; c__Betaproteobacteria;o__ Burkholderiales;f__Oxalobacteraceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
	k__Bacteria;p__Proteobacteria; c__Betaproteobacteria;o__ Ellin6067;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
	k__Bacteria;p__Proteobacteria; c__Betaproteobacteria;o__IS-44;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
	k__Bacteria;p__Proteobacteria; c__Betaproteobacteria;o__MND1;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
	k__Bacteria;p__Proteobacteria; c__Betaproteobacteria;o__SC-I-84;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
	k__Bacteria;p__Proteobacteria; c__Deltaproteobacteria;o__;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
	k__Bacteria;p__Proteobacteria; c__Deltaproteobacteria;o__ Bdellovibrionales;f__ Bdellovibrionaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
	k__Bacteria;p__Proteobacteria; c__Deltaproteobacteria;o__ Desulfovibrionales;f__ Desulfovibrionaceae	4.8%	3.1%	3.3%	3.4%	3.5%	3.1%	4.3%	3.9%	3.4%	4.0%	3.0%	6.5%	5.0%	5.0%	5.2%	4.9%	3.1%	2.3%	2
	k__Bacteria;p__Proteobacteria; c__Deltaproteobacteria;o__ Desulfuromonadales;f__ Geobacteraceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
	k__Bacteria;p__Proteobacteria; c__Deltaproteobacteria;o__MIZ46;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
	k__Bacteria;p__Proteobacteria; c__Deltaproteobacteria;o__ Myxococcales;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
	k__Bacteria;p__Proteobacteria; c__Deltaproteobacteria;o__ Myxococcales;f__0319-6G20	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
	k__Bacteria;p__Proteobacteria; c__Deltaproteobacteria;o__ Myxococcales;f__Haliangiaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
	k__Bacteria;p__Proteobacteria; c__Deltaproteobacteria;o__ Myxococcales;f__Myxococcaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
	k__Bacteria;p__Proteobacteria; c__Deltaproteobacteria;o__ Myxococcales;f__OM27	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
	k__Bacteria;p__Proteobacteria; c__Deltaproteobacteria;o__ Myxococcales;f__Polyangiaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
	k__Bacteria;p__Proteobacteria;	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0

	c__Deltaproteobacteria;o__ Spirobacillales;f__																			
	k__Bacteria;p__Proteobacteria; c__Deltaproteobacteria;o__ Syntrophobacterales;f__ Syntrophobacteraceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Proteobacteria; c__Deltaproteobacteria;o__[Entotheonellales];f__[Entotheonellaceae]	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Proteobacteria; c__Gammaproteobacteria;o__ Enterobacteriales;f__ Enterobacteriaceae	20.9%	0.0%	0.0%	0.0%	0.0%	0.0%	2.0%	1.7%	1.8%	1.7%	1.5%	33.7%	30.4%	27.5%	27.7%	28.0%	24.1%	18.8%	2
	k__Bacteria;p__Proteobacteria; c__Gammaproteobacteria;o__ Legionellales;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Proteobacteria; c__Gammaproteobacteria;o__ Legionellales;f__Coxiellaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Proteobacteria; c__Gammaproteobacteria;o__ Legionellales;f__Legionellaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Proteobacteria; c__Gammaproteobacteria;o__ Pseudomonadales;f__ Pseudomonadaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Proteobacteria; c__Gammaproteobacteria;o__ Xanthomonadales;f__Sinobacteraceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Proteobacteria; c__Gammaproteobacteria;o__ Xanthomonadales;f__ Xanthomonadaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__TM6;c__SJA-4;o_ _;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Tenericutes;c__ Mollicutes;o__Anaeroplasmatales;f__ Anaeroplasmataceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Tenericutes;c__ Mollicutes;o__RF39;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__ Verrucomicrobia;c__Opitutae;o_ _Opitutales;f__Opitutaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Verrucomicrobia;c__ Verrucomicrobiae;o__ Verrucomicrobiales;f__ Verrucomicrobiaceae	36.3%	8.6%	10.8%	13.3%	12.1%	11.6%	30.1%	35.6%	35.3%	30.7%	37.3%	18.0%	21.8%	19.9%	20.4%	24.9%	22.0%	25.4%	2
	k__Bacteria;p__Verrucomicrobia;c__[Pedosphaerae];o__[Pedosphaerales];f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Verrucomicrobia;c__[Pedosphaerae];o__[Pedosphaerales];f__Ellin515	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Verrucomicrobia;c__[Spartobacteria];o__[	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(

	Chthoniobacterales];f__[Chthoniobacteraceae]																			
	k__Bacteria;p__[Thermi];c__ Deinococci;o__Deinococcales;f_ _Deinococcaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(

Taxonomy Summary. Current Level:

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View Table (.txt)

		Total	3A.fasta	3B.fasta	3C.fasta	3D.fasta	3E.fasta	5A.fasta	5B.fasta	5C.fasta	5D.fasta	5E.fasta	1151.fasta	1152.fasta	1153.fasta	1154.fasta	1155.fasta	1156.fasta	1157.fasta	11
Legend	Taxonomy	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
	Unassigned;Other;Other;Other; Other;Other	0.4%	0.4%	0.4%	0.4%	0.4%	0.3%	0.2%	0.2%	0.2%	0.1%	0.1%	0.3%	0.3%	0.3%	0.3%	0.4%	0.5%	0.4%	
	k__Archaea;p__Crenarchaeota;c_ _Thaumarchaeota;o__ Nitrososphaerales;f__ Nitrososphaeraceae;g__ Candidatus Nitrososphaera	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Archaea;p__Euryarchaeota;c_ _Thermoplasmata;o__E2;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;Other;Other;Other; Other;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Acidobacteria; c__Acidobacteria-5;o__;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Acidobacteria; c__Acidobacteria-6;o__CCU21;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Acidobacteria; c__Acidobacteria-6;o__iii1-15;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Acidobacteria; c__Acidobacteria-6;o__iii1-15; f__RB40;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Acidobacteria; c__Acidobacteria-6;o__iii1-15; f__mb2424;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Acidobacteria; c__Acidobacteriia;o__ Acidobacteriales;f__ Acidobacteriaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Acidobacteria; c__Acidobacteriia;o__ Acidobacteriales;f__ Acidobacteriaceae;g__Edaphobacter	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Acidobacteria; c__Acidobacteriia;o__ Acidobacteriales;f__ Koribacteraceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Acidobacteria; c__Acidobacteriia;o__ Acidobacteriales;f__ Koribacteraceae;g__Candidatus Koribacter	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Acidobacteria; c__DA052;o__Ellin6513;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	

	k__Bacteria;p__Acidobacteria; c__EC1113;o__;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Acidobacteria; c__Solibacteres;o__JH-WHS99;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Acidobacteria; c__Solibacteres;o__ Solibacterales;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Acidobacteria; c__Solibacteres;o__Solibacterales;f__ Solibacteraceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Acidobacteria; c__Solibacteres;o__Solibacterales;f__ Solibacteraceae;g__Candidatus Solibacter	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Acidobacteria; c__Sva0725;o__Sva0725;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Acidobacteria; c__[Chloracidobacteria];o__11-24;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Acidobacteria; c__[Chloracidobacteria];o__ RB41;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Acidobacteria; c__[Chloracidobacteria];o__ RB41;f__Ellin6075;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Acidobacteria;c__iii1-8;o__32-20;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Acidobacteria;c__iii1-8;o__DS-18;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria; c__Acidimicrobiia;o__ Acidimicrobiales;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria; c__Acidimicrobiia;o__ Acidimicrobiales;f__C111;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria; c__Acidimicrobiia;o__ Acidimicrobiales;f__EB1017;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria; c__Actinobacteria;o__ Actinomycetales;Other;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria; c__Actinobacteria;o__ Actinomycetales;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria; c__Actinobacteria;o__ Actinomycetales;f__ Cellulomonadaceae;g__Cellulomonas	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria; c__Actinobacteria;o__ Actinomycetales;f__Frankiaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria; c__Actinobacteria;o__ Actinomycetales;f__ Frankiaceae;g__Frankia	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Geodermatophilaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Geodermatophilaceae;g__Geodermatophilus	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Geodermatophilaceae;g__Modestobacter	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Intrasporangiaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Kineosporiaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Microbacteriaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Micrococcaceae;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Micrococcaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Micrococcaceae;g__Arthrobacter	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Micromonosporaceae;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Micromonosporaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Micromonosporaceae;g__Actinoplanes	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Micromonosporaceae;g__Dactylosporangium	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

	Actinomycetales;f__ Micromonosporaceae;g__Pilimelia																		
	k__Bacteria;p__Actinobacteria; c__Actinobacteria;o__ Actinomycetales;f__ Micromonosporaceae;g__ Virgisporangium	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria; c__Actinobacteria;o__ Actinomycetales;f__ Mycobacteriaceae;g__Mycobacterium	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria; c__Actinobacteria;o__ Actinomycetales;f__ Nakamurellaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria; c__Actinobacteria;o__ Actinomycetales;f__ Nocardiaceae;g__Nocardia	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria; c__Actinobacteria;o__ Actinomycetales;f__ Nocardioidaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria; c__Actinobacteria;o__ Actinomycetales;f__ Nocardioidaceae;g__Aeromicrobium	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria; c__Actinobacteria;o__ Actinomycetales;f__ Nocardioidaceae;g__Kribbella	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria; c__Actinobacteria;o__ Actinomycetales;f__ Nocardioidaceae;g__Nocardioides	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria; c__Actinobacteria;o__ Actinomycetales;f__ Pseudonocardiaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria; c__Actinobacteria;o__ Actinomycetales;f__ Pseudonocardiaceae;g__ Actinomycetospora	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria; c__Actinobacteria;o__ Actinomycetales;f__ Pseudonocardiaceae;g__Amycolatopsis	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria; c__Actinobacteria;o__ Actinomycetales;f__ Pseudonocardiaceae;g__ Pseudonocardia	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria; c__Actinobacteria;o__ Actinomycetales;f__ Streptomycetaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Streptomycetaceae;g__Streptomyces	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Streptosporangiaceae;g__Streptosporangium	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Thermomonosporaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Thermomonosporaceae;g__Actinoallomurus	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Thermomonosporaceae;g__Actinomadura	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Bifidobacteriales;f__Bifidobacteriaceae;g__Bifidobacterium	0.2%	0.2%	0.1%	0.1%	0.1%	0.2%	0.2%	0.3%	0.2%	0.2%	0.1%	1.1%	0.9%	0.9%	1.0%	1.0%	0.7%	0.4%
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Micrococcales;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria;c__Coriobacteriia;o__Coriobacteriales;f__Coriobacteriaceae;g__Adlercreutzia	0.0%	0.1%	0.0%	0.0%	0.0%	0.1%	0.1%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria;c__MB-A2-108;o__0319-7L14;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria;c__Nitriliruptoria;o__Euzebyales;f__Euzebyaceae;g__Euzebya	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria;c__Rubrobacteria;o__Rubrobacterales;f__Rubrobacteraceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria;c__Rubrobacteria;o__Rubrobacterales;f__Rubrobacteraceae;g__Rubrobacter	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria;c__Thermoleophilia;o__Gaiellales;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria;c__Thermoleophilia;o__Gaiellales;f__AK1AB1_02E;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria;c__Thermoleophilia;o__Gaiellales;f__Gaiellaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

	k__Bacteria;p__Actinobacteria;c__Thermoleophilia;o__Solirubrobacterales;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Actinobacteria;c__Thermoleophilia;o__Solirubrobacterales;f__Conexibacteraceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Actinobacteria;c__Thermoleophilia;o__Solirubrobacterales;f__Patulibacteraceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Actinobacteria;c__Thermoleophilia;o__Solirubrobacterales;f__Solirubrobacteraceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Armatimonadetes;c__Chthonomonadetes;o__SJA-22;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Bacteroidetes;c__Bacteroidia;o__Bacteroidales;f__Bacteroidaceae;g__Bacteroides	25.0%	25.6%	25.6%	24.7%	24.7%	23.5%	28.4%	28.8%	29.6%	32.3%	31.4%	30.2%	32.7%	37.3%	35.8%	32.5%	43.4%	47.0%	4
	k__Bacteria;p__Bacteroidetes;c__Bacteroidia;o__Bacteroidales;f__Porphyromonadaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Bacteroidetes;c__Bacteroidia;o__Bacteroidales;f__Porphyromonadaceae;g__Parabacteroides	0.8%	5.9%	6.9%	5.5%	6.3%	4.7%	7.3%	6.2%	5.7%	6.9%	5.8%	0.1%	0.1%	0.1%	0.1%	0.1%	0.2%	0.2%	
	k__Bacteria;p__Bacteroidetes;c__Bacteroidia;o__Bacteroidales;f__Rikenellaceae;g__	1.0%	5.6%	5.4%	5.4%	5.4%	6.4%	0.3%	0.3%	0.3%	0.3%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Bacteroidetes;c__Bacteroidia;o__Bacteroidales;f__S24-7;g__	1.4%	14.4%	16.1%	16.9%	16.6%	15.5%	14.3%	12.1%	12.5%	12.7%	10.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Bacteroidetes;c__Cytophagia;o__Cytophagales;f__Cytophagaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Bacteroidetes;c__Cytophagia;o__Cytophagales;f__Cytophagaceae;g__Adhaeribacter	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Bacteroidetes;c__Cytophagia;o__Cytophagales;f__Cytophagaceae;g__Sporocytophaga	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Bacteroidetes;c__Flavobacteriia;o__Flavobacteriales;f__Flavobacteriaceae;g__Flavobacterium	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Bacteroidetes;c__Sphingobacteriia;o__Sphingobacteriales;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Bacteroidetes;c__Sphingobacteriia;o__Sphingobacteriales;f__Sphingobacteriaceae;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Bacteroidetes;c__Sphingobacteriia;o__Sphingobacteriales;f__Sphingobacteriaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	

	k__Bacteria;p__Bacteroidetes;c__[Saprospirae];o__[Saprospirales];f__Chitinophagaceae;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Bacteroidetes;c__[Saprospirae];o__[Saprospirales];f__Chitinophagaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Bacteroidetes;c__[Saprospirae];o__[Saprospirales];f__Chitinophagaceae;g__Flavisolibacter	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Bacteroidetes;c__[Saprospirae];o__[Saprospirales];f__Chitinophagaceae;g__Segetibacter	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chlamydiae;c__Chlamydiia;o__Chlamydiales;f__Parachlamydiaceae;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chlamydiae;c__Chlamydiia;o__Chlamydiales;f__Parachlamydiaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chlamydiae;c__Chlamydiia;o__Chlamydiales;f__Parachlamydiaceae;g__Candidatus Protochlamydia	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chlamydiae;c__Chlamydiia;o__Chlamydiales;f__Parachlamydiaceae;g__Parachlamydia	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chlamydiae;c__Chlamydiia;o__Chlamydiales;f__Rhabdochlamydiaceae;g__Candidatus Rhabdochlamydia	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__Anaerolineae;o__H39;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__C0119;o__;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__Chloroflexi;o__AKIW781;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__Chloroflexi;o__[Roseiflexales];f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__Ellin6529;o__;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__Gitt-GS-136;o__;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__Ktedonobacteria;o__Ktedonobacterales;f__Ktedonobacteraceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__Ktedonobacteria;o__TK10;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__Ktedonobacteria;o__Thermogemmatisporales;f__Thermogemmatisporaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

	S085;o__;f__;g__																		
	k__Bacteria;p__Chloroflexi;c__TK10;o__AKYG885;f__Dolo_23;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__TK10;o__B07_WMSP1;f__FFCH4570;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__TK17;o__;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__Thermomicrobia;o__AKYG1722;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__Thermomicrobia;o__JG30-KF-CM45;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__Thermomicrobia;o__Sphaerobacterales;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Cyanobacteria;c__4C0d-2;o__SM1D11;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Cyanobacteria;c__4C0d-2;o__YS2;f__;g__	0.0%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Cyanobacteria;c__Chloroplast;o__Chlorophyta;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Cyanobacteria;c__ML635J-21;o__;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Cyanobacteria;c__Oscillatoriophycideae;o__Oscillatoriales;f__Phormidiaceae;g__Phormidium	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Cyanobacteria;c__Synechococcophycideae;o__Pseudanabaenales;f__Pseudanabaenaceae;g__Leptolyngbya	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Deferribacteres;c__Deferribacteres;o__Deferribacterales;f__Deferribacteraceae;g__Mucispirillum	0.2%	3.0%	3.5%	2.6%	3.1%	3.8%	0.1%	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Elusimicrobia;c__Elusimicrobia;o__FAC88;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Fibrobacteres;c__Fibrobacteria;o__258ds10;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;Other;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Alicyclobacillaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Alicyclobacillaceae;g__Alicyclobacillus	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Bacillaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

	k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Bacillaceae;g__Bacillus	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Bacillaceae;g__Geobacillus	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Paenibacillaceae;g__Brevibacillus	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Paenibacillaceae;g__Cohnella	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Paenibacillaceae;g__Paenibacillus	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Planococcaceae;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Planococcaceae;g__Paenisporosarcina	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Planococcaceae;g__Planococcus	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Planococcaceae;g__Sporosarcina	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Staphylococcaceae;g__Staphylococcus	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Thermoactinomycetaceae;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Thermoactinomycetaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Thermoactinomycetaceae;g__Shimazuella	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;Other;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Enterococcaceae;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Enterococcaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Enterococcaceae;g__Enterococcus	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	0.5%	0.4%	0.5%	0.4%	0.1%	0.1%	
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Lactobacillaceae;g__Lactobacillus	0.6%	2.0%	1.2%	1.4%	1.3%	2.2%	3.2%	2.5%	2.8%	3.3%	2.4%	2.4%	1.9%	2.0%	2.0%	1.8%	1.3%	1.0%	

	k__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Lactobacillaceae;g__Pediococcus	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Streptococcaceae;g__Streptococcus	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Turicibacterales;f__Turicibacteraceae;g__Turicibacter	0.0%	0.1%	0.1%	0.0%	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;Other;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__;g__	0.8%	14.9%	12.9%	13.0%	12.7%	13.4%	4.4%	3.6%	3.6%	3.5%	3.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Clostridiaceae;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Clostridiaceae;g__	1.5%	1.5%	1.2%	0.9%	0.9%	1.4%	1.5%	1.4%	1.4%	1.5%	1.4%	2.9%	2.9%	3.3%	3.3%	2.3%	1.5%	1.7%
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Clostridiaceae;g__02d06	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Clostridiaceae;g__Caloramator	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Clostridiaceae;g__Clostridium	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.3%	0.3%	0.3%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Clostridiaceae;g__SMB53	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Dehalobacteriaceae;g__Dehalobacterium	0.0%	0.5%	0.4%	0.4%	0.4%	0.3%	0.2%	0.2%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Lachnospiraceae;Other	0.0%	0.4%	0.3%	0.3%	0.4%	0.4%	0.1%	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Lachnospiraceae;g__	2.0%	5.0%	4.3%	3.9%	4.1%	5.2%	0.9%	0.9%	0.7%	0.8%	0.7%	1.8%	1.5%	1.5%	1.6%	1.6%	1.1%	1.2%
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Lachnospiraceae;g__Coprococcus	0.0%	0.5%	0.4%	0.4%	0.4%	0.4%	0.1%	0.2%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Lachnospiraceae;g__Dorea	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Lachnospiraceae;g__Roseburia	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Lachnospiraceae;g__[Ruminococcus]	0.0%	0.6%	0.4%	0.4%	0.4%	0.5%	0.1%	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Peptococcaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Peptococcaceae;g__rc4-4	0.0%	0.3%	0.2%	0.2%	0.2%	0.3%	0.1%	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Peptostreptococcaceae;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Peptostreptococcaceae;g__	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.8%	0.7%	0.7%	0.8%	0.7%	0.3%	0.2%
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Peptostreptococcaceae;g__[Clostridium]	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Ruminococcaceae;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Ruminococcaceae;g__	0.2%	3.4%	3.1%	3.2%	3.3%	3.3%	0.6%	0.5%	0.4%	0.4%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Ruminococcaceae;g__Anaerotruncus	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Ruminococcaceae;g__Oscillospira	0.2%	2.7%	2.1%	2.2%	2.4%	2.4%	0.9%	0.8%	0.8%	0.7%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Ruminococcaceae;g__Ruminococcus	0.0%	0.8%	0.9%	0.8%	0.8%	0.7%	0.2%	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Symbiobacteriaceae;g__Symbiobacterium	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__[Mogibacteriaceae];g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Clostridia;o__OPB54;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Erysipelotrichi;o__Erysipelotrichales;f__Erysipelotrichaceae;g__	0.0%	0.1%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Erysipelotrichi;o__Erysipelotrichales;f__Erysipelotrichaceae;g__Coprobacillus	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Gemmatimonadetes;c__Gemm-1;o__;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Gemmatimonadetes;c__Gemm-2;o__;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Gemmatimonadetes;c__Gemm-3;o__;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Gemmatimonadetes;c__Gemm-5;o__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

	;f__;g__																		
	k__Bacteria;p__ Gemmatimonadetes;c__ Gemmatimonadetes;o__Ellin5290; f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__ Gemmatimonadetes;c__ Gemmatimonadetes;o__ Gemmatimonadales;f__Ellin5301;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__ Gemmatimonadetes;c__ Gemmatimonadetes;o__N1423WL;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Nitrospirae;c__ Nitrospira;o__Nitrospirales;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Nitrospirae;c__ Nitrospira;o__Nitrospirales;f__0319-6A21;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__OP3;c__koll11; o__;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Planctomycetes; c__Phycisphaerae;o__WD2101;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Planctomycetes; c__Planctomycetia;o__ Gemmatales;f__Gemmataceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Planctomycetes; c__Planctomycetia;o__ Gemmatales;f__Gemmataceae;g__ Gemmata	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Planctomycetes; c__Planctomycetia;o__ Gemmatales;f__Isosphaeraceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Planctomycetes; c__Planctomycetia;o__ Gemmatales;f__Isosphaeraceae;g __Nostocoida	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Planctomycetes; c__Planctomycetia;o__ Pirellulales;f__Pirellulaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Planctomycetes; c__Planctomycetia;o__ Pirellulales;f__Pirellulaceae;g__A17	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Planctomycetes; c__Planctomycetia;o__ Pirellulales;f__Pirellulaceae; g__Pirellula	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Planctomycetes; c__Planctomycetia;o__ Planctomycetales;f__ Planctomycetaceae;g__Planctomyces	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Planctomycetes; c__vadinHA49;o__DH61;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Planctomycetes; c__vadinHA49;o__p04_C01;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; Other;Other;Other;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

	k__Bacteria;p__Proteobacteria; c__;o__;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Caulobacterales;f__ Caulobacteraceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Caulobacterales;f__ Caulobacteraceae;g__Mycoplana	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Caulobacterales;f__ Caulobacteraceae;g__Phenylobacterium	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Ellin329;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Rhizobiales;Other;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Rhizobiales;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Rhizobiales;f__Beijerinckiaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Rhizobiales;f__ Bradyrhizobiaceae;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Rhizobiales;f__Bradyrhizobiaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Rhizobiales;f__Bradyrhizobiaceae;g__ Balneimonas	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Rhizobiales;f__ Bradyrhizobiaceae;g__Bosea	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Rhizobiales;f__Bradyrhizobiaceae;g__ Bradyrhizobium	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Rhizobiales;f__ Hyphomicrobiaceae;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Rhizobiales;f__ Hyphomicrobiaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Rhizobiales;f__ Hyphomicrobiaceae;g__Devosia	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

	k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhizobiales;f__Hyphomicrobiaceae;g__Hyphomicrobium	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhizobiales;f__Hyphomicrobiaceae;g__Pedomicrobium	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhizobiales;f__Hyphomicrobiaceae;g__Rhodoplanes	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhizobiales;f__Methylobacteriaceae;g__Methylobacterium	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhizobiales;f__Methylocystaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhizobiales;f__Phyllobacteriaceae;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhizobiales;f__Phyllobacteriaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhizobiales;f__Phyllobacteriaceae;g__Mesorhizobium	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhizobiales;f__Phyllobacteriaceae;g__Phyllobacterium	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhizobiales;f__Rhizobiaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhizobiales;f__Rhizobiaceae;g__Agrobacterium	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhizobiales;f__Xanthobacteraceae;g__Labrys	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhodospirillales;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhodospirillales;f__Acetobacteraceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

	Rhodospirillales;f__ Rhodospirillaceae;g__																		
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Rhodospirillales;f__ Rhodospirillaceae;g__Skermanella	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Rickettsiales;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Sphingomonadales;f__ Sphingomonadaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Sphingomonadales;f__ Sphingomonadaceae;g__Kaistobacter	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Sphingomonadales;f__ Sphingomonadaceae;g__ Novosphingobium	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Sphingomonadales;f__ Sphingomonadaceae;g__Sphingomonas	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Betaproteobacteria;Other; Other;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Betaproteobacteria;o__;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Betaproteobacteria;o__ Burkholderiales;Other;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Betaproteobacteria;o__ Burkholderiales;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Betaproteobacteria;o__ Burkholderiales;f__ Alcaligenaceae;g__Sutterella	1.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.6%	1.2%	1.2%	1.1%	1.3%	1.8%	1.2%
	k__Bacteria;p__Proteobacteria; c__Betaproteobacteria;o__ Burkholderiales;f__ Burkholderiaceae;g__Burkholderia	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Betaproteobacteria;o__ Burkholderiales;f__ Comamonadaceae;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Betaproteobacteria;o__ Burkholderiales;f__ Comamonadaceae;g__Ramlibacter	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Betaproteobacteria;o__ Burkholderiales;f__ Comamonadaceae;g__Tepidimonas	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

	k__Bacteria;p__Proteobacteria;c__Betaproteobacteria;o__Burkholderiales;f__Oxalobacteraceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Betaproteobacteria;o__Burkholderiales;f__Oxalobacteraceae;g__Janthinobacterium	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Betaproteobacteria;o__Ellin6067;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Betaproteobacteria;o__IS-44;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Betaproteobacteria;o__MND1;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Betaproteobacteria;o__SC-I-84;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Deltaproteobacteria;o__;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Deltaproteobacteria;o__Bdellovibrionales;f__Bdellovibrionaceae;g__Bdellovibrio	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Deltaproteobacteria;o__Desulfovibrionales;f__Desulfovibrionaceae;g__Bilophila	4.8%	3.1%	3.3%	3.4%	3.5%	3.1%	4.3%	3.9%	3.4%	4.0%	3.0%	6.5%	5.0%	5.0%	5.2%	4.9%	3.1%	2.3%
	k__Bacteria;p__Proteobacteria;c__Deltaproteobacteria;o__Desulfuromonadales;f__Geobacteraceae;g__Geobacter	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Deltaproteobacteria;o__MIZ46;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Deltaproteobacteria;o__Myxococcales;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Deltaproteobacteria;o__Myxococcales;f__0319-6G20;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Deltaproteobacteria;o__Myxococcales;f__Haliangiaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Deltaproteobacteria;o__Myxococcales;f__Myxococcaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Deltaproteobacteria;o__Myxococcales;f__Myxococcaceae;g__Anaeromyxobacter	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Deltaproteobacteria;o__Myxococcales;f__OM27;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

	k__Bacteria;p__Proteobacteria;c__Deltaproteobacteria;o__Myxococcales;f__Polyangiaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Deltaproteobacteria;o__Spirobacillales;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Deltaproteobacteria;o__Syntrophobacterales;f__Syntrophobacteraceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Deltaproteobacteria;o__[Entotheonellales];f__[Entotheonellaceae];g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacteriales;f__Enterobacteriaceae;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacteriales;f__Enterobacteriaceae;g__	18.3%	0.0%	0.0%	0.0%	0.0%	0.0%	1.6%	1.5%	1.5%	1.5%	1.3%	30.2%	27.4%	24.6%	24.9%	25.1%	21.4%	16.7%
	k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacteriales;f__Enterobacteriaceae;g__Escherichia	2.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.2%	0.2%	0.2%	0.1%	3.4%	3.0%	2.8%	2.8%	2.9%	2.6%	2.0%
	k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacteriales;f__Enterobacteriaceae;g__Proteus	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%
	k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacteriales;f__Enterobacteriaceae;g__Serratia	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Legionellales;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Legionellales;f__Coxiellaceae;g__Aquicella	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Legionellales;f__Legionellaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Legionellales;f__Legionellaceae;g__Tatlockia	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Pseudomonadales;f__Pseudomonadaceae;g__Pseudomonas	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Xanthomonadales;f__Sinobacteraceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

	c__Gammaproteobacteria;o__ Xanthomonadales;f__ Sinobacteraceae;g__Steroidobacter																			
	k__Bacteria;p__Proteobacteria; c__Gammaproteobacteria;o__ Xanthomonadales;f__ Xanthomonadaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Proteobacteria; c__Gammaproteobacteria;o__ Xanthomonadales;f__ Xanthomonadaceae;g__Dokdonella	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Proteobacteria; c__Gammaproteobacteria;o__ Xanthomonadales;f__ Xanthomonadaceae;g__ Stenotrophomonas	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__TM6;c__SJA-4;o_ _;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Tenericutes;c__ Mollicutes;o__Anaeroplasmatales;f__ Anaeroplasmataceae;g__ Asteroleplasma	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Tenericutes;c__ Mollicutes;o__RF39;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__ Verrucomicrobia;c__Opitutae;o_ _Opitutales;f__Opitutaceae;g__ Opitutus	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Verrucomicrobia;c__ Verrucomicrobiae;o__ Verrucomicrobiales;f__ Verrucomicrobiaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Verrucomicrobia;c__ Verrucomicrobiae;o__ Verrucomicrobiales;f__ Verrucomicrobiaceae;g__Akkermansia	36.3%	8.6%	10.8%	13.3%	12.1%	11.6%	30.1%	35.6%	35.3%	30.7%	37.3%	18.0%	21.8%	19.9%	20.4%	24.9%	22.0%	25.4%	2
	k__Bacteria;p__Verrucomicrobia;c__[Pedosphaerae];o__[Pedosphaerales];f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Verrucomicrobia;c__[Pedosphaerae];o__[Pedosphaerales];f__Ellin515;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Verrucomicrobia;c__[Spartobacteria];o__[Chthoniobacterales];f__[Chthoniobacteraceae];g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Verrucomicrobia;c__[Spartobacteria];o__[Chthoniobacterales];f__[Chthoniobacteraceae];g__ Candidatus Xiphinematobacter	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Verrucomicrobia;c__[Spartobacteria];o__[Chthoniobacterales];f__[Chthoniobacteraceae];g__ Chthoniobacter	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Verrucomicrobia;c__[	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	

	Spartobacteria];o__[Chthoniobacterales];f__[Chthoniobacteraceae];g__DA101																		
	k__Bacteria;p__Verrucomicrobia;c__[Spartobacteria];o__[Chthoniobacterales];f__[Chthoniobacteraceae];g__Ellin506	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Verrucomicrobia;c__[Spartobacteria];o__[Chthoniobacterales];f__[Chthoniobacteraceae];g__OR-59	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__[Thermi];c__ Deinococci;o__Deinococcales;f_ _Deinococcaceae;g__Deinococcus	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Select a Metric: observed_otus **Select a Category:** SampleID

Show Categories: All

Legend

- 0A.fasta
- 0B.fasta
- 0C.fasta
- 0D.fasta
- 2A.fasta
- 2B.fasta
- 2C.fasta
- 2D.fasta
- 2E.fasta
- 151.fasta
- 152.fasta
- 153.fasta
- 154.fasta
- 155.fasta
- 156.fasta

If the lines for some categories do not extend all the way to the right end of the x-axis, that means that at least one of the samples in that category does not have that many sequences.

SampleID	Seqs/Sample	PD_whole_tree Ave.	PD_whole_tree Err.	chao1 Ave.	chao1 Err.	observed_otus Ave.	observed_otus Err.
0A.fasta	10.0	2.481	nan	35.000	nan	9.000	nan
0A.fasta	2367.0	18.553	nan	623.190	nan	330.600	nan
0A.fasta	4724.0	22.653	nan	830.853	nan	463.800	nan
0A.fasta	7081.0	25.849	nan	941.798	nan	569.100	nan
0A.fasta	9438.0	27.910	nan	1004.437	nan	643.900	nan
0A.fasta	11795.0	30.103	nan	1118.434	nan	715.000	nan
0A.fasta	14152.0	31.704	nan	1175.296	nan	768.900	nan
0A.fasta	16509.0	32.700	nan	1184.103	nan	813.200	nan
0A.fasta	18866.0	34.042	nan	1231.779	nan	857.000	nan
0A.fasta	21223.0	35.112	nan	1253.177	nan	900.700	nan
0A.fasta	23580.0	36.080	nan	1281.323	nan	934.500	nan
0B.fasta	10.0	2.240	nan	21.500	nan	8.200	nan
0B.fasta	2367.0	17.640	nan	586.471	nan	324.300	nan
0B.fasta	4724.0	22.228	nan	777.057	nan	465.800	nan
0B.fasta	7081.0	25.365	nan	917.112	nan	564.800	nan
0B.fasta	9438.0	27.297	nan	983.795	nan	630.400	nan
0B.fasta	11795.0	29.055	nan	1068.687	nan	701.700	nan
0B.fasta	14152.0	30.583	nan	1135.993	nan	754.100	nan
0B.fasta	16509.0	31.703	nan	1177.637	nan	797.300	nan
0B.fasta	18866.0	32.558	nan	1175.014	nan	830.500	nan
0B.fasta	21223.0	33.621	nan	1222.454	nan	872.400	nan
0B.fasta	23580.0	34.706	nan	1245.624	nan	906.500	nan
0C.fasta	10.0	2.538	nan	33.450	nan	8.700	nan
0C.fasta	2367.0	17.904	nan	601.268	nan	328.600	nan
0C.fasta	4724.0	22.135	nan	773.244	nan	454.600	nan
0C.fasta	7081.0	24.963	nan	882.418	nan	545.800	nan
0C.fasta	9438.0	26.759	nan	968.048	nan	621.500	nan
0C.fasta	11795.0	28.924	nan	1050.637	nan	688.700	nan
0C.fasta	14152.0	29.986	nan	1076.183	nan	724.800	nan
0C.fasta	16509.0	31.587	nan	1119.275	nan	780.300	nan
0C.fasta	18866.0	32.387	nan	1148.721	nan	820.000	nan
0C.fasta	21223.0	33.766	nan	1170.552	nan	857.600	nan
0C.fasta	23580.0	34.347	nan	1203.151	nan	887.300	nan
0D.fasta	10.0	2.460	nan	27.600	nan	8.700	nan
0D.fasta	2367.0	18.272	nan	573.727	nan	325.400	nan
0D.fasta	4724.0	22.642	nan	770.370	nan	460.800	nan
0D.fasta	7081.0	25.581	nan	909.406	nan	554.300	nan
0D.fasta	9438.0	27.641	nan	952.832	nan	624.300	nan
0D.fasta	11795.0	29.769	nan	1052.978	nan	690.600	nan

0D.fasta	14152.0	31.142	nan	1105.387	nan	743.100	nan
0D.fasta	16509.0	32.105	nan	1136.158	nan	789.000	nan
0D.fasta	18866.0	33.349	nan	1198.410	nan	834.100	nan
0D.fasta	21223.0	34.251	nan	1195.614	nan	865.700	nan
0D.fasta	23580.0	34.946	nan	1205.312	nan	896.500	nan
2A.fasta	10.0	1.166	nan	9.020	nan	6.500	nan
2A.fasta	2367.0	3.594	nan	88.721	nan	60.800	nan
2A.fasta	4724.0	4.442	nan	120.912	nan	80.300	nan
2A.fasta	7081.0	4.988	nan	156.582	nan	95.700	nan
2A.fasta	9438.0	5.342	nan	163.264	nan	105.800	nan
2A.fasta	11795.0	5.854	nan	194.984	nan	117.700	nan
2A.fasta	14152.0	5.819	nan	190.540	nan	123.100	nan
2A.fasta	16509.0	6.263	nan	187.936	nan	131.600	nan
2A.fasta	18866.0	6.683	nan	188.156	nan	136.700	nan
2A.fasta	21223.0	6.721	nan	210.670	nan	143.000	nan
2A.fasta	23580.0	7.037	nan	222.484	nan	149.900	nan
2B.fasta	10.0	1.096	nan	8.800	nan	5.900	nan
2B.fasta	2367.0	3.248	nan	90.773	nan	58.200	nan
2B.fasta	4724.0	3.913	nan	112.843	nan	76.300	nan
2B.fasta	7081.0	4.397	nan	150.793	nan	86.400	nan
2B.fasta	9438.0	4.521	nan	162.975	nan	95.100	nan
2B.fasta	11795.0	4.972	nan	161.968	nan	103.500	nan
2B.fasta	14152.0	5.064	nan	169.891	nan	111.600	nan
2B.fasta	16509.0	5.327	nan	178.039	nan	117.500	nan
2B.fasta	18866.0	5.472	nan	196.341	nan	124.000	nan
2B.fasta	21223.0	5.480	nan	185.292	nan	129.000	nan
2B.fasta	23580.0	5.834	nan	211.266	nan	134.200	nan
2C.fasta	10.0	1.163	nan	13.050	nan	6.400	nan
2C.fasta	2367.0	3.363	nan	93.619	nan	57.900	nan
2C.fasta	4724.0	3.982	nan	116.961	nan	72.400	nan
2C.fasta	7081.0	4.490	nan	150.749	nan	87.100	nan
2C.fasta	9438.0	4.960	nan	139.588	nan	93.400	nan
2C.fasta	11795.0	5.179	nan	144.840	nan	100.700	nan
2C.fasta	14152.0	5.230	nan	161.530	nan	106.800	nan
2C.fasta	16509.0	5.209	nan	148.710	nan	111.200	nan
2C.fasta	18866.0	5.640	nan	166.563	nan	117.100	nan
2C.fasta	21223.0	5.725	nan	177.180	nan	121.000	nan
2C.fasta	23580.0	5.890	nan	177.430	nan	127.000	nan
2D.fasta	10.0	1.115	nan	13.050	nan	6.400	nan
2D.fasta	2367.0	3.346	nan	89.557	nan	58.800	nan
2D.fasta	4724.0	4.076	nan	120.590	nan	76.800	nan
2D.fasta	7081.0	4.333	nan	143.916	nan	88.400	nan
2D.fasta	9438.0	4.799	nan	148.080	nan	98.800	nan
2D.fasta	11795.0	4.914	nan	167.689	nan	106.200	nan
2D.fasta	14152.0	5.159	nan	166.689	nan	112.300	nan
2D.fasta	16509.0	5.430	nan	175.182	nan	121.200	nan
2D.fasta	18866.0	5.636	nan	196.068	nan	128.100	nan
2D.fasta	21223.0	5.649	nan	190.973	nan	131.800	nan
2D.fasta	23580.0	5.779	nan	199.504	nan	136.400	nan
2E.fasta	10.0	1.107	nan	9.620	nan	6.200	nan
2E.fasta	2367.0	3.133	nan	84.381	nan	57.700	nan
2E.fasta	4724.0	3.595	nan	117.343	nan	72.700	nan
2E.fasta	7081.0	4.151	nan	134.982	nan	83.900	nan
2E.fasta	9438.0	4.226	nan	137.046	nan	92.200	nan
2E.fasta	11795.0	4.438	nan	154.115	nan	102.700	nan
2E.fasta	14152.0	4.687	nan	158.793	nan	108.100	nan
2E.fasta	16509.0	5.003	nan	174.439	nan	116.000	nan
2E.fasta	18866.0	5.303	nan	184.389	nan	121.600	nan
2E.fasta	21223.0	5.455	nan	184.929	nan	129.000	nan
2E.fasta	23580.0	5.564	nan	204.918	nan	133.800	nan
151.fasta	10.0	0.901	nan	6.133	nan	4.700	nan
151.fasta	2367.0	2.440	nan	54.855	nan	36.700	nan
151.fasta	4724.0	2.981	nan	77.298	nan	47.700	nan
151.fasta	7081.0	3.433	nan	81.368	nan	56.900	nan
151.fasta	9438.0	3.794	nan	92.107	nan	62.000	nan
151.fasta	11795.0	3.880	nan	108.693	nan	69.500	nan
151.fasta	14152.0	4.057	nan	108.095	nan	72.200	nan
151.fasta	16509.0	4.419	nan	114.327	nan	77.300	nan
151.fasta	18866.0	4.565	nan	122.054	nan	83.200	nan
151.fasta	21223.0	4.627	nan	111.991	nan	82.900	nan
151.fasta	23580.0	4.953	nan	128.985	nan	87.700	nan
152.fasta	10.0	0.989	nan	6.550	nan	5.100	nan
152.fasta	2367.0	2.968	nan	62.581	nan	38.900	nan
152.fasta	4724.0	3.703	nan	94.644	nan	53.700	nan
152.fasta	7081.0	4.445	nan	119.245	nan	65.500	nan
152.fasta	9438.0	4.709	nan	138.270	nan	73.800	nan
152.fasta	11795.0	5.098	nan	127.938	nan	78.600	nan
152.fasta	14152.0	5.167	nan	133.586	nan	83.000	nan
152.fasta	16509.0	5.610	nan	159.969	nan	91.400	nan
152.fasta	18866.0	5.703	nan	162.113	nan	93.700	nan
152.fasta	21223.0	6.004	nan	193.349	nan	99.700	nan
152.fasta	23580.0	6.376	nan	200.170	nan	103.100	nan
153.fasta	10.0	0.968	nan	7.933	nan	5.400	nan
153.fasta	2367.0	2.548	nan	51.956	nan	38.400	nan

153.fasta	4724.0	3.191	nan	80.709	nan	50.800	nan
153.fasta	7081.0	3.593	nan	108.103	nan	62.500	nan
153.fasta	9438.0	3.829	nan	124.036	nan	68.800	nan
153.fasta	11795.0	3.946	nan	117.182	nan	74.000	nan
153.fasta	14152.0	4.267	nan	118.683	nan	79.600	nan
153.fasta	16509.0	4.601	nan	141.779	nan	86.300	nan
153.fasta	18866.0	4.343	nan	148.961	nan	89.900	nan
153.fasta	21223.0	4.866	nan	166.059	nan	97.100	nan
153.fasta	23580.0	5.024	nan	165.351	nan	100.200	nan
154.fasta	10.0	1.001	nan	7.950	nan	5.800	nan
154.fasta	2367.0	2.552	nan	82.994	nan	42.000	nan
154.fasta	4724.0	3.042	nan	95.814	nan	52.900	nan
154.fasta	7081.0	3.213	nan	93.256	nan	60.700	nan
154.fasta	9438.0	3.663	nan	110.730	nan	68.200	nan
154.fasta	11795.0	3.791	nan	110.574	nan	73.200	nan
154.fasta	14152.0	3.995	nan	133.800	nan	79.500	nan
154.fasta	16509.0	4.408	nan	156.566	nan	87.000	nan
154.fasta	18866.0	4.583	nan	150.975	nan	90.100	nan
154.fasta	21223.0	4.672	nan	162.285	nan	97.000	nan
154.fasta	23580.0	4.663	nan	157.285	nan	98.400	nan
155.fasta	10.0	1.007	nan	7.750	nan	5.600	nan
155.fasta	2367.0	2.732	nan	74.509	nan	39.900	nan
155.fasta	4724.0	3.633	nan	87.750	nan	54.300	nan
155.fasta	7081.0	4.372	nan	106.945	nan	61.700	nan
155.fasta	9438.0	4.713	nan	110.863	nan	70.300	nan
155.fasta	11795.0	4.764	nan	123.989	nan	76.100	nan
155.fasta	14152.0	5.116	nan	132.204	nan	80.300	nan
155.fasta	16509.0	5.251	nan	166.528	nan	86.700	nan
155.fasta	18866.0	5.484	nan	150.375	nan	92.900	nan
155.fasta	21223.0	5.664	nan	150.704	nan	97.500	nan
155.fasta	23580.0	5.827	nan	169.370	nan	103.100	nan
156.fasta	10.0	0.932	nan	5.183	nan	4.600	nan
156.fasta	2367.0	2.313	nan	56.536	nan	36.100	nan
156.fasta	4724.0	2.897	nan	74.874	nan	48.000	nan
156.fasta	7081.0	2.998	nan	86.191	nan	54.700	nan
156.fasta	9438.0	3.460	nan	95.362	nan	63.600	nan
156.fasta	11795.0	3.464	nan	94.823	nan	65.400	nan
156.fasta	14152.0	3.496	nan	104.710	nan	71.500	nan
156.fasta	16509.0	3.791	nan	118.986	nan	75.000	nan
156.fasta	18866.0	3.947	nan	117.871	nan	78.400	nan
156.fasta	21223.0	4.037	nan	133.428	nan	81.500	nan
156.fasta	23580.0	4.188	nan	144.531	nan	86.800	nan
157.fasta	10.0	0.999	nan	7.100	nan	5.300	nan
157.fasta	2367.0	2.360	nan	62.463	nan	36.400	nan
157.fasta	4724.0	2.824	nan	66.062	nan	45.800	nan
157.fasta	7081.0	3.485	nan	98.793	nan	59.900	nan
157.fasta	9438.0	3.717	nan	102.387	nan	64.100	nan
157.fasta	11795.0	3.827	nan	114.561	nan	69.400	nan
157.fasta	14152.0	4.206	nan	139.802	nan	78.100	nan
157.fasta	16509.0	4.163	nan	131.658	nan	82.100	nan
157.fasta	18866.0	4.363	nan	150.914	nan	86.400	nan
157.fasta	21223.0	4.654	nan	152.461	nan	91.500	nan
157.fasta	23580.0	4.640	nan	145.842	nan	93.500	nan
158.fasta	10.0	0.932	nan	8.000	nan	5.000	nan
158.fasta	2367.0	2.545	nan	63.289	nan	37.100	nan
158.fasta	4724.0	3.105	nan	84.620	nan	48.900	nan
158.fasta	7081.0	3.552	nan	99.127	nan	55.600	nan
158.fasta	9438.0	3.943	nan	115.891	nan	64.700	nan
158.fasta	11795.0	4.150	nan	136.541	nan	71.100	nan
158.fasta	14152.0	4.453	nan	147.087	nan	79.700	nan
158.fasta	16509.0	4.602	nan	135.284	nan	83.200	nan
158.fasta	18866.0	4.710	nan	150.143	nan	86.500	nan
158.fasta	21223.0	5.030	nan	166.213	nan	94.000	nan
158.fasta	23580.0	5.195	nan	150.425	nan	97.500	nan
159.fasta	10.0	0.968	nan	6.150	nan	4.600	nan
159.fasta	2367.0	2.587	nan	57.636	nan	37.700	nan
159.fasta	4724.0	2.939	nan	77.670	nan	47.700	nan
159.fasta	7081.0	3.516	nan	93.615	nan	57.200	nan
159.fasta	9438.0	3.657	nan	108.062	nan	62.600	nan
159.fasta	11795.0	3.803	nan	110.534	nan	69.500	nan
159.fasta	14152.0	4.250	nan	110.441	nan	71.800	nan
159.fasta	16509.0	4.217	nan	138.951	nan	76.700	nan
159.fasta	18866.0	4.471	nan	145.146	nan	82.600	nan
159.fasta	21223.0	4.536	nan	143.499	nan	86.200	nan
159.fasta	23580.0	4.776	nan	168.193	nan	93.500	nan
160.fasta	10.0	0.928	nan	7.833	nan	5.400	nan
160.fasta	2367.0	2.534	nan	70.646	nan	36.700	nan
160.fasta	4724.0	2.856	nan	68.332	nan	47.500	nan
160.fasta	7081.0	3.172	nan	79.966	nan	53.800	nan
160.fasta	9438.0	3.660	nan	111.711	nan	62.900	nan
160.fasta	11795.0	3.651	nan	108.257	nan	67.700	nan
160.fasta	14152.0	4.208	nan	112.787	nan	73.000	nan
160.fasta	16509.0	4.369	nan	129.161	nan	79.500	nan
160.fasta	18866.0	4.316	nan	120.171	nan	81.000	nan

160.fasta	21223.0	4.527	nan	125.067	nan	83.500	nan
160.fasta	23580.0	4.721	nan	126.142	nan	86.500	nan
161.fasta	10.0	0.960	nan	7.200	nan	5.400	nan
161.fasta	2367.0	2.925	nan	70.878	nan	41.500	nan
161.fasta	4724.0	3.941	nan	127.317	nan	56.600	nan
161.fasta	7081.0	4.074	nan	117.793	nan	64.900	nan
161.fasta	9438.0	4.659	nan	131.928	nan	73.200	nan
161.fasta	11795.0	5.363	nan	147.541	nan	79.400	nan
161.fasta	14152.0	5.636	nan	155.544	nan	86.400	nan
161.fasta	16509.0	5.975	nan	166.482	nan	92.700	nan
161.fasta	18866.0	6.305	nan	202.880	nan	100.800	nan
161.fasta	21223.0	6.382	nan	200.755	nan	106.400	nan
161.fasta	23580.0	6.586	nan	220.549	nan	109.500	nan
162.fasta	10.0	0.924	nan	6.783	nan	4.900	nan
162.fasta	2367.0	2.733	nan	80.422	nan	40.300	nan
162.fasta	4724.0	3.488	nan	84.736	nan	50.000	nan
162.fasta	7081.0	3.764	nan	107.176	nan	62.200	nan
162.fasta	9438.0	4.234	nan	108.452	nan	68.400	nan
162.fasta	11795.0	4.479	nan	130.991	nan	75.700	nan
162.fasta	14152.0	4.777	nan	130.793	nan	81.500	nan
162.fasta	16509.0	4.886	nan	134.943	nan	87.200	nan
162.fasta	18866.0	5.158	nan	135.280	nan	93.500	nan
162.fasta	21223.0	5.458	nan	144.765	nan	97.500	nan
162.fasta	23580.0	5.539	nan	137.591	nan	99.600	nan
163.fasta	10.0	0.945	nan	7.050	nan	4.800	nan
163.fasta	2367.0	2.834	nan	71.266	nan	38.700	nan
163.fasta	4724.0	3.402	nan	91.308	nan	51.200	nan
163.fasta	7081.0	4.303	nan	117.658	nan	62.100	nan
163.fasta	9438.0	4.492	nan	123.839	nan	71.400	nan
163.fasta	11795.0	4.892	nan	138.089	nan	77.000	nan
163.fasta	14152.0	5.147	nan	132.284	nan	82.400	nan
163.fasta	16509.0	5.564	nan	154.284	nan	91.100	nan
163.fasta	18866.0	5.604	nan	163.999	nan	94.900	nan
163.fasta	21223.0	5.965	nan	173.423	nan	101.800	nan
163.fasta	23580.0	6.268	nan	166.616	nan	105.500	nan
164.fasta	10.0	0.916	nan	5.600	nan	4.700	nan
164.fasta	2367.0	3.051	nan	67.626	nan	40.700	nan
164.fasta	4724.0	3.985	nan	105.611	nan	60.300	nan
164.fasta	7081.0	4.678	nan	122.435	nan	68.300	nan
164.fasta	9438.0	5.356	nan	137.685	nan	79.300	nan
164.fasta	11795.0	5.827	nan	165.322	nan	88.700	nan
164.fasta	14152.0	6.063	nan	172.376	nan	93.800	nan
164.fasta	16509.0	6.346	nan	163.128	nan	102.900	nan
164.fasta	18866.0	6.609	nan	159.744	nan	107.600	nan
164.fasta	21223.0	6.970	nan	164.903	nan	112.700	nan
164.fasta	23580.0	7.214	nan	183.012	nan	119.200	nan
165.fasta	10.0	0.954	nan	12.500	nan	5.100	nan
165.fasta	2367.0	3.025	nan	71.225	nan	42.100	nan
165.fasta	4724.0	3.913	nan	86.321	nan	56.400	nan
165.fasta	7081.0	4.563	nan	120.068	nan	69.200	nan
165.fasta	9438.0	5.339	nan	161.384	nan	79.200	nan
165.fasta	11795.0	5.874	nan	148.490	nan	88.000	nan
165.fasta	14152.0	6.186	nan	169.747	nan	94.500	nan
165.fasta	16509.0	6.536	nan	176.427	nan	103.600	nan
165.fasta	18866.0	6.624	nan	194.224	nan	107.500	nan
165.fasta	21223.0	6.952	nan	184.047	nan	113.400	nan
165.fasta	23580.0	7.130	nan	191.275	nan	117.000	nan
166.fasta	10.0	1.165	nan	16.000	nan	6.400	nan
166.fasta	2367.0	13.472	nan	431.543	nan	156.800	nan
166.fasta	4724.0	19.092	nan	582.620	nan	246.300	nan
166.fasta	7081.0	23.318	nan	748.556	nan	323.800	nan
166.fasta	9438.0	25.379	nan	798.832	nan	387.800	nan
166.fasta	11795.0	27.809	nan	845.253	nan	434.100	nan
166.fasta	14152.0	30.695	nan	937.719	nan	488.000	nan
166.fasta	16509.0	32.258	nan	1001.222	nan	529.700	nan
166.fasta	18866.0	34.139	nan	965.419	nan	573.100	nan
166.fasta	21223.0	35.436	nan	974.118	nan	603.500	nan
166.fasta	23580.0	36.763	nan	997.922	nan	637.200	nan
167.fasta	10.0	1.145	nan	10.150	nan	6.400	nan
167.fasta	2367.0	12.535	nan	466.382	nan	151.200	nan
167.fasta	4724.0	17.322	nan	597.657	nan	235.600	nan
167.fasta	7081.0	21.547	nan	710.714	nan	308.700	nan
167.fasta	9438.0	24.116	nan	806.956	nan	368.300	nan
167.fasta	11795.0	26.061	nan	872.494	nan	417.700	nan
167.fasta	14152.0	28.957	nan	943.058	nan	477.400	nan
167.fasta	16509.0	30.537	nan	983.469	nan	516.100	nan
167.fasta	18866.0	32.148	nan	1063.126	nan	554.100	nan
167.fasta	21223.0	33.660	nan	1069.176	nan	591.400	nan
167.fasta	23580.0	34.766	nan	1082.382	nan	626.300	nan
168.fasta	10.0	1.193	nan	10.000	nan	6.100	nan
168.fasta	2367.0	11.833	nan	425.265	nan	141.500	nan
168.fasta	4724.0	17.187	nan	584.644	nan	225.100	nan
168.fasta	7081.0	20.565	nan	689.482	nan	286.600	nan
168.fasta	9438.0	23.060	nan	756.311	nan	341.100	nan

168.fasta	11795.0	25.681	nan	842.794	nan	391.600	nan
168.fasta	14152.0	27.457	nan	894.031	nan	434.700	nan
168.fasta	16509.0	29.073	nan	941.796	nan	473.500	nan
168.fasta	18866.0	30.575	nan	964.898	nan	516.400	nan
168.fasta	21223.0	32.425	nan	999.258	nan	553.300	nan
168.fasta	23580.0	34.447	nan	1063.559	nan	586.500	nan
169.fasta	10.0	1.088	nan	9.620	nan	5.900	nan
169.fasta	2367.0	11.732	nan	373.882	nan	137.700	nan
169.fasta	4724.0	16.425	nan	507.217	nan	211.500	nan
169.fasta	7081.0	20.290	nan	658.599	nan	283.200	nan
169.fasta	9438.0	23.500	nan	804.417	nan	342.500	nan
169.fasta	11795.0	25.869	nan	850.214	nan	389.700	nan
169.fasta	14152.0	28.001	nan	899.283	nan	439.900	nan
169.fasta	16509.0	29.248	nan	979.838	nan	473.300	nan
169.fasta	18866.0	31.075	nan	1008.456	nan	519.200	nan
169.fasta	21223.0	32.658	nan	1067.788	nan	550.400	nan
169.fasta	23580.0	33.924	nan	1036.345	nan	580.100	nan
170.fasta	10.0	1.163	nan	9.850	nan	6.400	nan
170.fasta	2367.0	11.244	nan	369.230	nan	131.100	nan
170.fasta	4724.0	16.088	nan	558.404	nan	206.900	nan
170.fasta	7081.0	19.867	nan	669.157	nan	268.200	nan
170.fasta	9438.0	22.003	nan	748.782	nan	314.000	nan
170.fasta	11795.0	23.807	nan	737.822	nan	355.400	nan
170.fasta	14152.0	26.556	nan	804.305	nan	402.600	nan
170.fasta	16509.0	27.861	nan	825.653	nan	435.800	nan
170.fasta	18866.0	29.675	nan	904.432	nan	469.300	nan
170.fasta	21223.0	30.694	nan	940.586	nan	502.100	nan
170.fasta	23580.0	32.087	nan	944.283	nan	531.900	nan
171.fasta	10.0	1.093	nan	11.500	nan	6.700	nan
171.fasta	2367.0	4.152	nan	136.166	nan	82.400	nan
171.fasta	4724.0	4.962	nan	174.323	nan	106.800	nan
171.fasta	7081.0	5.776	nan	204.397	nan	127.100	nan
171.fasta	9438.0	5.832	nan	210.001	nan	137.900	nan
171.fasta	11795.0	6.194	nan	215.181	nan	150.600	nan
171.fasta	14152.0	6.424	nan	246.005	nan	161.700	nan
171.fasta	16509.0	6.661	nan	264.002	nan	172.900	nan
171.fasta	18866.0	6.763	nan	268.043	nan	179.300	nan
171.fasta	21223.0	6.936	nan	271.444	nan	187.800	nan
171.fasta	23580.0	7.059	nan	281.889	nan	195.000	nan
172.fasta	10.0	1.153	nan	8.750	nan	6.000	nan
172.fasta	2367.0	3.716	nan	105.398	nan	70.700	nan
172.fasta	4724.0	4.385	nan	144.633	nan	91.400	nan
172.fasta	7081.0	4.985	nan	174.753	nan	104.700	nan
172.fasta	9438.0	5.056	nan	175.833	nan	115.300	nan
172.fasta	11795.0	5.603	nan	201.952	nan	129.800	nan
172.fasta	14152.0	5.867	nan	201.383	nan	136.900	nan
172.fasta	16509.0	6.092	nan	242.082	nan	146.300	nan
172.fasta	18866.0	6.128	nan	245.194	nan	151.000	nan
172.fasta	21223.0	6.513	nan	252.461	nan	158.200	nan
172.fasta	23580.0	6.512	nan	265.435	nan	166.200	nan
173.fasta	10.0	1.081	nan	8.353	nan	6.100	nan
173.fasta	2367.0	3.565	nan	95.927	nan	67.900	nan
173.fasta	4724.0	4.317	nan	128.596	nan	85.000	nan
173.fasta	7081.0	4.749	nan	170.377	nan	100.000	nan
173.fasta	9438.0	4.858	nan	169.391	nan	109.100	nan
173.fasta	11795.0	5.201	nan	173.350	nan	119.700	nan
173.fasta	14152.0	5.472	nan	177.764	nan	126.300	nan
173.fasta	16509.0	5.589	nan	188.872	nan	133.500	nan
173.fasta	18866.0	5.694	nan	199.013	nan	136.600	nan
173.fasta	21223.0	5.851	nan	223.782	nan	148.400	nan
173.fasta	23580.0	5.952	nan	212.675	nan	147.800	nan
174.fasta	10.0	1.269	nan	13.970	nan	7.200	nan
174.fasta	2367.0	4.010	nan	122.203	nan	74.800	nan
174.fasta	4724.0	4.656	nan	144.026	nan	93.200	nan
174.fasta	7081.0	5.089	nan	160.639	nan	109.900	nan
174.fasta	9438.0	5.421	nan	168.064	nan	120.100	nan
174.fasta	11795.0	5.628	nan	194.069	nan	130.600	nan
174.fasta	14152.0	5.866	nan	193.650	nan	138.800	nan
174.fasta	16509.0	6.059	nan	220.720	nan	147.200	nan
174.fasta	18866.0	6.228	nan	235.352	nan	151.900	nan
174.fasta	21223.0	6.480	nan	227.230	nan	159.300	nan
174.fasta	23580.0	6.448	nan	228.757	nan	165.100	nan
175.fasta	10.0	1.138	nan	11.250	nan	6.500	nan
175.fasta	2367.0	3.791	nan	119.394	nan	73.000	nan
175.fasta	4724.0	4.415	nan	135.908	nan	92.100	nan
175.fasta	7081.0	4.859	nan	152.972	nan	103.100	nan
175.fasta	9438.0	5.302	nan	178.906	nan	118.800	nan
175.fasta	11795.0	5.568	nan	184.945	nan	129.500	nan
175.fasta	14152.0	5.791	nan	219.461	nan	138.000	nan
175.fasta	16509.0	5.966	nan	225.314	nan	144.400	nan
175.fasta	18866.0	6.160	nan	239.164	nan	150.700	nan
175.fasta	21223.0	6.380	nan	264.750	nan	161.500	nan
175.fasta	23580.0	6.457	nan	262.484	nan	167.100	nan
351.fasta	10.0	1.098	nan	12.133	nan	6.800	nan

351.fasta	2367.0	3.412	nan	83.682	nan	56.200	nan
351.fasta	4724.0	3.682	nan	109.922	nan	70.900	nan
351.fasta	7081.0	4.210	nan	138.167	nan	80.800	nan
351.fasta	9438.0	4.598	nan	125.712	nan	90.000	nan
351.fasta	11795.0	5.264	nan	154.723	nan	101.000	nan
351.fasta	14152.0	5.312	nan	146.472	nan	107.900	nan
351.fasta	16509.0	5.519	nan	167.962	nan	114.700	nan
351.fasta	18866.0	5.609	nan	178.181	nan	117.400	nan
351.fasta	21223.0	5.932	nan	186.343	nan	123.200	nan
351.fasta	23580.0	6.252	nan	203.365	nan	126.400	nan
352.fasta	10.0	1.096	nan	9.050	nan	6.200	nan
352.fasta	2367.0	3.552	nan	94.812	nan	63.000	nan
352.fasta	4724.0	3.850	nan	129.778	nan	80.000	nan
352.fasta	7081.0	4.549	nan	166.846	nan	93.200	nan
352.fasta	9438.0	5.141	nan	185.898	nan	105.600	nan
352.fasta	11795.0	5.426	nan	200.068	nan	116.100	nan
352.fasta	14152.0	5.670	nan	203.830	nan	127.100	nan
352.fasta	16509.0	5.921	nan	222.399	nan	131.300	nan
352.fasta	18866.0	6.283	nan	215.979	nan	141.500	nan
352.fasta	21223.0	6.441	nan	233.365	nan	147.500	nan
352.fasta	23580.0	6.576	nan	246.106	nan	154.200	nan
353.fasta	10.0	1.062	nan	7.703	nan	5.900	nan
353.fasta	2367.0	3.279	nan	83.319	nan	57.100	nan
353.fasta	4724.0	3.937	nan	131.335	nan	74.500	nan
353.fasta	7081.0	4.247	nan	127.927	nan	83.300	nan
353.fasta	9438.0	4.842	nan	143.955	nan	96.500	nan
353.fasta	11795.0	4.779	nan	157.577	nan	101.500	nan
353.fasta	14152.0	5.196	nan	172.646	nan	112.500	nan
353.fasta	16509.0	5.417	nan	190.135	nan	116.900	nan
353.fasta	18866.0	5.752	nan	199.244	nan	125.700	nan
353.fasta	21223.0	5.956	nan	202.673	nan	128.800	nan
353.fasta	23580.0	5.978	nan	195.724	nan	133.800	nan
354.fasta	10.0	1.054	nan	8.100	nan	5.700	nan
354.fasta	2367.0	3.033	nan	87.652	nan	56.800	nan
354.fasta	4724.0	3.692	nan	125.262	nan	73.300	nan
354.fasta	7081.0	3.998	nan	119.843	nan	82.800	nan
354.fasta	9438.0	4.298	nan	148.720	nan	91.500	nan
354.fasta	11795.0	4.701	nan	149.033	nan	98.400	nan
354.fasta	14152.0	5.042	nan	170.792	nan	108.300	nan
354.fasta	16509.0	5.312	nan	201.053	nan	118.300	nan
354.fasta	18866.0	5.393	nan	194.926	nan	120.700	nan
354.fasta	21223.0	5.503	nan	204.884	nan	128.300	nan
354.fasta	23580.0	5.756	nan	211.641	nan	132.700	nan
355.fasta	10.0	1.085	nan	9.750	nan	6.600	nan
355.fasta	2367.0	3.237	nan	92.194	nan	59.300	nan
355.fasta	4724.0	4.035	nan	129.820	nan	78.700	nan
355.fasta	7081.0	4.361	nan	138.554	nan	91.000	nan
355.fasta	9438.0	4.882	nan	172.385	nan	101.000	nan
355.fasta	11795.0	5.363	nan	172.024	nan	109.400	nan
355.fasta	14152.0	5.267	nan	177.752	nan	114.300	nan
355.fasta	16509.0	5.720	nan	182.059	nan	123.500	nan
355.fasta	18866.0	5.733	nan	203.567	nan	128.500	nan
355.fasta	21223.0	5.994	nan	225.248	nan	134.000	nan
355.fasta	23580.0	6.478	nan	227.857	nan	141.200	nan
356.fasta	10.0	1.090	nan	10.270	nan	6.400	nan
356.fasta	2367.0	2.821	nan	75.841	nan	47.600	nan
356.fasta	4724.0	3.608	nan	126.564	nan	63.200	nan
356.fasta	7081.0	3.962	nan	120.314	nan	76.200	nan
356.fasta	9438.0	4.146	nan	130.816	nan	81.100	nan
356.fasta	11795.0	4.444	nan	138.416	nan	85.800	nan
356.fasta	14152.0	4.824	nan	128.364	nan	92.600	nan
356.fasta	16509.0	5.017	nan	159.507	nan	99.700	nan
356.fasta	18866.0	5.420	nan	156.954	nan	107.400	nan
356.fasta	21223.0	5.440	nan	166.403	nan	111.000	nan
356.fasta	23580.0	5.624	nan	171.832	nan	113.800	nan
357.fasta	10.0	1.011	nan	8.933	nan	6.400	nan
357.fasta	2367.0	3.059	nan	87.060	nan	54.500	nan
357.fasta	4724.0	3.872	nan	114.533	nan	71.000	nan
357.fasta	7081.0	4.601	nan	137.796	nan	84.500	nan
357.fasta	9438.0	4.966	nan	145.986	nan	94.100	nan
357.fasta	11795.0	5.441	nan	184.923	nan	102.800	nan
357.fasta	14152.0	5.587	nan	172.225	nan	111.600	nan
357.fasta	16509.0	5.833	nan	181.917	nan	119.700	nan
357.fasta	18866.0	6.097	nan	195.023	nan	125.000	nan
357.fasta	21223.0	6.170	nan	194.982	nan	131.000	nan
357.fasta	23580.0	6.290	nan	205.119	nan	134.800	nan
358.fasta	10.0	1.051	nan	8.850	nan	6.300	nan
358.fasta	2367.0	3.082	nan	88.097	nan	52.300	nan
358.fasta	4724.0	3.938	nan	100.965	nan	69.500	nan
358.fasta	7081.0	4.276	nan	118.106	nan	80.900	nan
358.fasta	9438.0	4.515	nan	132.958	nan	89.500	nan
358.fasta	11795.0	5.041	nan	139.526	nan	96.100	nan
358.fasta	14152.0	5.209	nan	170.751	nan	103.400	nan
358.fasta	16509.0	5.557	nan	166.394	nan	111.400	nan

358.fasta	18866.0	5.901	nan	178.216	nan	117.100	nan
358.fasta	21223.0	5.945	nan	173.485	nan	119.200	nan
358.fasta	23580.0	6.254	nan	179.681	nan	126.700	nan
359.fasta	10.0	1.113	nan	10.950	nan	6.600	nan
359.fasta	2367.0	2.854	nan	80.658	nan	50.500	nan
359.fasta	4724.0	3.590	nan	104.506	nan	65.900	nan
359.fasta	7081.0	3.738	nan	114.458	nan	75.400	nan
359.fasta	9438.0	4.242	nan	136.517	nan	85.700	nan
359.fasta	11795.0	4.208	nan	134.716	nan	88.400	nan
359.fasta	14152.0	4.546	nan	136.368	nan	97.000	nan
359.fasta	16509.0	4.680	nan	152.453	nan	101.000	nan
359.fasta	18866.0	4.874	nan	161.050	nan	105.400	nan
359.fasta	21223.0	4.984	nan	167.000	nan	112.300	nan
359.fasta	23580.0	5.200	nan	169.572	nan	117.500	nan
360.fasta	10.0	1.056	nan	12.700	nan	6.800	nan
360.fasta	2367.0	3.033	nan	89.081	nan	51.000	nan
360.fasta	4724.0	3.545	nan	101.255	nan	67.100	nan
360.fasta	7081.0	4.047	nan	116.552	nan	78.500	nan
360.fasta	9438.0	4.520	nan	124.490	nan	87.100	nan
360.fasta	11795.0	5.039	nan	148.721	nan	97.300	nan
360.fasta	14152.0	4.956	nan	149.717	nan	101.700	nan
360.fasta	16509.0	5.220	nan	144.198	nan	105.300	nan
360.fasta	18866.0	5.217	nan	147.006	nan	109.500	nan
360.fasta	21223.0	5.638	nan	167.011	nan	116.000	nan
360.fasta	23580.0	5.889	nan	167.447	nan	119.900	nan
361.fasta	10.0	1.080	nan	8.233	nan	5.600	nan
361.fasta	2367.0	3.195	nan	87.805	nan	55.300	nan
361.fasta	4724.0	3.978	nan	120.623	nan	71.600	nan
361.fasta	7081.0	4.470	nan	132.646	nan	84.500	nan
361.fasta	9438.0	5.022	nan	147.251	nan	96.200	nan
361.fasta	11795.0	5.235	nan	184.404	nan	101.600	nan
361.fasta	14152.0	5.451	nan	181.066	nan	111.200	nan
361.fasta	16509.0	5.750	nan	183.827	nan	117.700	nan
361.fasta	18866.0	5.964	nan	207.510	nan	124.500	nan
361.fasta	21223.0	6.246	nan	220.490	nan	130.800	nan
361.fasta	23580.0	6.241	nan	222.452	nan	136.800	nan
362.fasta	10.0	1.109	nan	10.100	nan	6.200	nan
362.fasta	2367.0	3.352	nan	108.296	nan	54.300	nan
362.fasta	4724.0	4.304	nan	149.222	nan	76.000	nan
362.fasta	7081.0	4.631	nan	164.756	nan	85.000	nan
362.fasta	9438.0	5.201	nan	165.415	nan	96.600	nan
362.fasta	11795.0	5.594	nan	213.188	nan	107.700	nan
362.fasta	14152.0	5.710	nan	192.221	nan	114.700	nan
362.fasta	16509.0	6.566	nan	216.666	nan	123.500	nan
362.fasta	18866.0	6.581	nan	234.661	nan	130.900	nan
362.fasta	21223.0	7.134	nan	250.552	nan	137.700	nan
362.fasta	23580.0	7.640	nan	297.556	nan	146.500	nan
363.fasta	10.0	1.073	nan	7.270	nan	5.600	nan
363.fasta	2367.0	3.320	nan	86.158	nan	56.000	nan
363.fasta	4724.0	4.274	nan	127.940	nan	72.200	nan
363.fasta	7081.0	4.894	nan	134.986	nan	84.000	nan
363.fasta	9438.0	5.121	nan	169.626	nan	92.400	nan
363.fasta	11795.0	5.848	nan	164.464	nan	105.300	nan
363.fasta	14152.0	6.434	nan	183.067	nan	112.900	nan
363.fasta	16509.0	6.635	nan	182.185	nan	119.900	nan
363.fasta	18866.0	6.601	nan	198.284	nan	121.600	nan
363.fasta	21223.0	7.044	nan	204.733	nan	130.100	nan
363.fasta	23580.0	7.314	nan	209.201	nan	134.000	nan
364.fasta	10.0	1.022	nan	7.953	nan	5.600	nan
364.fasta	2367.0	3.288	nan	94.047	nan	55.200	nan
364.fasta	4724.0	3.874	nan	116.644	nan	71.700	nan
364.fasta	7081.0	4.781	nan	160.281	nan	90.900	nan
364.fasta	9438.0	5.043	nan	160.470	nan	98.500	nan
364.fasta	11795.0	5.747	nan	178.178	nan	112.100	nan
364.fasta	14152.0	5.934	nan	188.762	nan	118.000	nan
364.fasta	16509.0	6.093	nan	195.429	nan	124.700	nan
364.fasta	18866.0	6.352	nan	202.753	nan	130.700	nan
364.fasta	21223.0	6.691	nan	208.271	nan	138.100	nan
364.fasta	23580.0	7.146	nan	229.101	nan	145.300	nan
365.fasta	10.0	1.152	nan	10.270	nan	6.300	nan
365.fasta	2367.0	3.479	nan	89.076	nan	56.900	nan
365.fasta	4724.0	4.168	nan	124.614	nan	73.900	nan
365.fasta	7081.0	4.715	nan	156.440	nan	89.600	nan
365.fasta	9438.0	4.944	nan	167.801	nan	98.500	nan
365.fasta	11795.0	5.530	nan	173.069	nan	110.400	nan
365.fasta	14152.0	5.841	nan	192.663	nan	117.300	nan
365.fasta	16509.0	6.070	nan	193.592	nan	124.700	nan
365.fasta	18866.0	6.284	nan	233.113	nan	134.700	nan
365.fasta	21223.0	6.365	nan	228.148	nan	137.900	nan
365.fasta	23580.0	6.705	nan	241.698	nan	144.900	nan
366.fasta	10.0	1.221	nan	15.720	nan	6.800	nan
366.fasta	2367.0	11.412	nan	351.491	nan	134.800	nan
366.fasta	4724.0	15.754	nan	496.022	nan	207.000	nan
366.fasta	7081.0	19.375	nan	669.997	nan	271.700	nan

366.fasta	9438.0	21.879	nan	703.667	nan	322.600	nan
366.fasta	11795.0	24.547	nan	813.390	nan	371.600	nan
366.fasta	14152.0	26.429	nan	790.273	nan	404.200	nan
366.fasta	16509.0	28.253	nan	834.668	nan	444.300	nan
366.fasta	18866.0	29.482	nan	890.056	nan	477.300	nan
366.fasta	21223.0	30.676	nan	878.094	nan	505.800	nan
366.fasta	23580.0	31.801	nan	920.698	nan	531.800	nan
367.fasta	10.0	1.276	nan	11.400	nan	6.900	nan
367.fasta	2367.0	10.903	nan	310.562	nan	128.400	nan
367.fasta	4724.0	15.064	nan	545.145	nan	198.800	nan
367.fasta	7081.0	18.798	nan	653.183	nan	252.400	nan
367.fasta	9438.0	21.200	nan	734.760	nan	303.900	nan
367.fasta	11795.0	24.652	nan	755.217	nan	349.100	nan
367.fasta	14152.0	26.152	nan	837.815	nan	393.000	nan
367.fasta	16509.0	28.309	nan	880.391	nan	436.500	nan
367.fasta	18866.0	29.893	nan	925.147	nan	466.100	nan
367.fasta	21223.0	31.014	nan	943.033	nan	499.900	nan
367.fasta	23580.0	32.204	nan	997.228	nan	529.300	nan
368.fasta	10.0	1.259	nan	12.417	nan	6.500	nan
368.fasta	2367.0	11.218	nan	401.609	nan	134.300	nan
368.fasta	4724.0	16.149	nan	500.311	nan	208.200	nan
368.fasta	7081.0	18.984	nan	593.348	nan	265.300	nan
368.fasta	9438.0	21.211	nan	664.746	nan	312.400	nan
368.fasta	11795.0	23.907	nan	739.949	nan	359.900	nan
368.fasta	14152.0	26.010	nan	822.759	nan	400.700	nan
368.fasta	16509.0	27.151	nan	826.853	nan	432.200	nan
368.fasta	18866.0	28.560	nan	879.677	nan	471.900	nan
368.fasta	21223.0	29.699	nan	922.015	nan	501.600	nan
368.fasta	23580.0	30.302	nan	926.336	nan	524.600	nan
369.fasta	10.0	1.175	nan	7.867	nan	5.900	nan
369.fasta	2367.0	10.997	nan	341.046	nan	129.000	nan
369.fasta	4724.0	15.444	nan	524.261	nan	197.200	nan
369.fasta	7081.0	18.394	nan	601.225	nan	250.500	nan
369.fasta	9438.0	19.860	nan	653.519	nan	293.900	nan
369.fasta	11795.0	23.080	nan	721.658	nan	344.700	nan
369.fasta	14152.0	25.081	nan	791.319	nan	382.300	nan
369.fasta	16509.0	26.614	nan	820.839	nan	418.800	nan
369.fasta	18866.0	27.752	nan	854.215	nan	447.200	nan
369.fasta	21223.0	28.897	nan	828.907	nan	470.900	nan
369.fasta	23580.0	30.314	nan	908.537	nan	503.600	nan
370.fasta	10.0	1.155	nan	10.450	nan	6.100	nan
370.fasta	2367.0	9.990	nan	349.998	nan	121.400	nan
370.fasta	4724.0	13.726	nan	467.887	nan	176.200	nan
370.fasta	7081.0	16.696	nan	531.176	nan	227.500	nan
370.fasta	9438.0	19.237	nan	621.114	nan	267.100	nan
370.fasta	11795.0	21.449	nan	691.022	nan	312.400	nan
370.fasta	14152.0	22.916	nan	740.269	nan	343.900	nan
370.fasta	16509.0	24.748	nan	807.934	nan	379.900	nan
370.fasta	18866.0	26.564	nan	813.903	nan	411.400	nan
370.fasta	21223.0	27.717	nan	842.354	nan	438.000	nan
370.fasta	23580.0	28.619	nan	871.567	nan	460.600	nan
551.fasta	10.0	1.270	nan	9.300	nan	6.200	nan
551.fasta	2367.0	3.864	nan	104.925	nan	60.500	nan
551.fasta	4724.0	4.657	nan	140.048	nan	83.500	nan
551.fasta	7081.0	5.290	nan	170.402	nan	98.700	nan
551.fasta	9438.0	5.681	nan	178.900	nan	109.900	nan
551.fasta	11795.0	5.886	nan	205.742	nan	120.200	nan
551.fasta	14152.0	6.164	nan	199.436	nan	129.300	nan
551.fasta	16509.0	6.448	nan	222.462	nan	140.100	nan
551.fasta	18866.0	6.581	nan	228.360	nan	146.400	nan
551.fasta	21223.0	6.932	nan	248.454	nan	156.500	nan
551.fasta	23580.0	6.972	nan	249.935	nan	160.100	nan
552.fasta	10.0	1.219	nan	9.070	nan	5.800	nan
552.fasta	2367.0	3.813	nan	102.083	nan	59.400	nan
552.fasta	4724.0	4.421	nan	146.494	nan	77.400	nan
552.fasta	7081.0	5.057	nan	169.087	nan	95.000	nan
552.fasta	9438.0	5.433	nan	192.825	nan	105.500	nan
552.fasta	11795.0	5.795	nan	193.725	nan	118.100	nan
552.fasta	14152.0	5.946	nan	206.493	nan	127.200	nan
552.fasta	16509.0	6.358	nan	239.217	nan	137.700	nan
552.fasta	18866.0	6.550	nan	243.910	nan	146.100	nan
552.fasta	21223.0	6.597	nan	245.846	nan	151.300	nan
552.fasta	23580.0	6.865	nan	263.066	nan	162.100	nan
553.fasta	10.0	1.364	nan	12.350	nan	6.600	nan
553.fasta	2367.0	4.022	nan	107.544	nan	61.000	nan
553.fasta	4724.0	4.756	nan	137.342	nan	85.900	nan
553.fasta	7081.0	5.206	nan	168.447	nan	99.100	nan
553.fasta	9438.0	5.486	nan	186.452	nan	111.200	nan
553.fasta	11795.0	5.859	nan	203.013	nan	122.600	nan
553.fasta	14152.0	6.255	nan	193.243	nan	133.500	nan
553.fasta	16509.0	6.383	nan	199.500	nan	138.100	nan
553.fasta	18866.0	6.588	nan	222.676	nan	148.800	nan
553.fasta	21223.0	6.893	nan	232.921	nan	159.100	nan
553.fasta	23580.0	6.924	nan	232.863	nan	161.000	nan

554.fasta	10.0	1.342	nan	10.550	nan	6.700	nan
554.fasta	2367.0	3.901	nan	100.918	nan	59.800	nan
554.fasta	4724.0	4.663	nan	129.984	nan	80.700	nan
554.fasta	7081.0	5.219	nan	144.455	nan	95.600	nan
554.fasta	9438.0	5.615	nan	174.036	nan	106.700	nan
554.fasta	11795.0	5.645	nan	182.942	nan	115.400	nan
554.fasta	14152.0	5.941	nan	189.651	nan	124.000	nan
554.fasta	16509.0	6.130	nan	189.665	nan	129.800	nan
554.fasta	18866.0	6.347	nan	229.945	nan	139.600	nan
554.fasta	21223.0	6.531	nan	218.035	nan	142.900	nan
554.fasta	23580.0	6.560	nan	221.375	nan	144.800	nan
555.fasta	10.0	1.194	nan	10.150	nan	5.900	nan
555.fasta	2367.0	4.146	nan	117.350	nan	63.500	nan
555.fasta	4724.0	4.853	nan	146.567	nan	86.400	nan
555.fasta	7081.0	5.267	nan	163.704	nan	99.200	nan
555.fasta	9438.0	5.763	nan	182.567	nan	113.900	nan
555.fasta	11795.0	5.900	nan	185.466	nan	120.600	nan
555.fasta	14152.0	6.305	nan	230.242	nan	136.300	nan
555.fasta	16509.0	6.548	nan	243.803	nan	145.100	nan
555.fasta	18866.0	6.699	nan	223.969	nan	151.300	nan
555.fasta	21223.0	6.894	nan	244.546	nan	159.000	nan
555.fasta	23580.0	7.050	nan	265.672	nan	166.600	nan
556.fasta	10.0	1.280	nan	11.300	nan	6.000	nan
556.fasta	2367.0	3.913	nan	107.981	nan	61.000	nan
556.fasta	4724.0	4.822	nan	138.592	nan	83.800	nan
556.fasta	7081.0	5.111	nan	154.092	nan	95.100	nan
556.fasta	9438.0	5.664	nan	179.938	nan	109.900	nan
556.fasta	11795.0	5.811	nan	182.521	nan	117.800	nan
556.fasta	14152.0	6.217	nan	206.475	nan	129.800	nan
556.fasta	16509.0	6.483	nan	203.909	nan	137.200	nan
556.fasta	18866.0	6.601	nan	199.393	nan	143.900	nan
556.fasta	21223.0	6.779	nan	235.582	nan	149.400	nan
556.fasta	23580.0	6.986	nan	224.794	nan	157.000	nan
557.fasta	10.0	1.302	nan	10.533	nan	6.200	nan
557.fasta	2367.0	3.768	nan	97.813	nan	58.500	nan
557.fasta	4724.0	4.450	nan	140.044	nan	79.700	nan
557.fasta	7081.0	4.989	nan	164.344	nan	94.800	nan
557.fasta	9438.0	5.493	nan	170.861	nan	108.300	nan
557.fasta	11795.0	5.745	nan	172.451	nan	115.800	nan
557.fasta	14152.0	5.867	nan	196.836	nan	121.600	nan
557.fasta	16509.0	6.255	nan	204.189	nan	134.200	nan
557.fasta	18866.0	6.218	nan	205.339	nan	137.500	nan
557.fasta	21223.0	6.582	nan	241.756	nan	147.600	nan
557.fasta	23580.0	6.800	nan	220.714	nan	152.500	nan
558.fasta	10.0	1.421	nan	10.983	nan	6.200	nan
558.fasta	2367.0	3.879	nan	107.100	nan	60.200	nan
558.fasta	4724.0	4.647	nan	139.069	nan	81.000	nan
558.fasta	7081.0	5.143	nan	162.774	nan	93.300	nan
558.fasta	9438.0	5.475	nan	161.812	nan	106.500	nan
558.fasta	11795.0	5.703	nan	176.424	nan	115.300	nan
558.fasta	14152.0	6.246	nan	192.960	nan	129.400	nan
558.fasta	16509.0	6.386	nan	190.985	nan	133.100	nan
558.fasta	18866.0	6.544	nan	208.548	nan	137.700	nan
558.fasta	21223.0	6.688	nan	204.925	nan	146.700	nan
558.fasta	23580.0	6.859	nan	222.849	nan	151.900	nan
559.fasta	10.0	1.458	nan	11.200	nan	6.400	nan
559.fasta	2367.0	3.964	nan	122.457	nan	62.500	nan
559.fasta	4724.0	4.665	nan	150.375	nan	84.000	nan
559.fasta	7081.0	5.200	nan	156.437	nan	98.400	nan
559.fasta	9438.0	5.457	nan	160.431	nan	108.300	nan
559.fasta	11795.0	5.875	nan	191.868	nan	121.000	nan
559.fasta	14152.0	6.114	nan	206.219	nan	129.700	nan
559.fasta	16509.0	6.362	nan	227.709	nan	140.700	nan
559.fasta	18866.0	6.570	nan	222.189	nan	147.000	nan
559.fasta	21223.0	6.765	nan	226.847	nan	151.800	nan
559.fasta	23580.0	6.834	nan	232.787	nan	157.700	nan
560.fasta	10.0	1.373	nan	10.350	nan	6.300	nan
560.fasta	2367.0	3.874	nan	105.633	nan	59.600	nan
560.fasta	4724.0	4.512	nan	121.938	nan	77.000	nan
560.fasta	7081.0	4.990	nan	133.279	nan	90.800	nan
560.fasta	9438.0	5.449	nan	171.331	nan	105.500	nan
560.fasta	11795.0	5.828	nan	198.871	nan	115.800	nan
560.fasta	14152.0	6.262	nan	211.203	nan	126.700	nan
560.fasta	16509.0	6.214	nan	223.886	nan	129.300	nan
560.fasta	18866.0	6.452	nan	215.638	nan	138.400	nan
560.fasta	21223.0	6.584	nan	224.550	nan	145.600	nan
560.fasta	23580.0	6.849	nan	238.144	nan	152.600	nan
561.fasta	10.0	1.330	nan	12.400	nan	6.400	nan
561.fasta	2367.0	4.210	nan	130.419	nan	67.500	nan
561.fasta	4724.0	4.938	nan	151.496	nan	90.400	nan
561.fasta	7081.0	5.668	nan	189.455	nan	109.600	nan
561.fasta	9438.0	6.250	nan	216.592	nan	127.200	nan
561.fasta	11795.0	6.531	nan	231.737	nan	135.600	nan
561.fasta	14152.0	6.784	nan	220.985	nan	143.100	nan

561.fasta	16509.0	7.162	nan	254.271	nan	155.500	nan
561.fasta	18866.0	7.616	nan	268.141	nan	165.800	nan
561.fasta	21223.0	7.719	nan	268.939	nan	171.300	nan
561.fasta	23580.0	7.927	nan	297.678	nan	180.000	nan
562.fasta	10.0	1.286	nan	9.200	nan	5.700	nan
562.fasta	2367.0	4.160	nan	120.369	nan	63.500	nan
562.fasta	4724.0	5.013	nan	152.893	nan	84.200	nan
562.fasta	7081.0	5.516	nan	165.673	nan	101.000	nan
562.fasta	9438.0	6.315	nan	185.708	nan	117.400	nan
562.fasta	11795.0	6.553	nan	195.226	nan	128.300	nan
562.fasta	14152.0	6.835	nan	219.888	nan	136.300	nan
562.fasta	16509.0	7.247	nan	223.942	nan	148.400	nan
562.fasta	18866.0	7.467	nan	272.451	nan	155.000	nan
562.fasta	21223.0	7.713	nan	242.133	nan	160.500	nan
562.fasta	23580.0	7.962	nan	252.935	nan	167.400	nan
563.fasta	10.0	1.001	nan	6.900	nan	4.800	nan
563.fasta	2367.0	3.970	nan	103.639	nan	61.600	nan
563.fasta	4724.0	4.768	nan	139.828	nan	85.200	nan
563.fasta	7081.0	5.331	nan	176.386	nan	99.200	nan
563.fasta	9438.0	5.626	nan	172.729	nan	109.400	nan
563.fasta	11795.0	5.960	nan	195.063	nan	122.100	nan
563.fasta	14152.0	6.293	nan	197.439	nan	129.300	nan
563.fasta	16509.0	6.492	nan	234.620	nan	140.900	nan
563.fasta	18866.0	6.832	nan	233.541	nan	149.300	nan
563.fasta	21223.0	6.995	nan	241.076	nan	157.000	nan
563.fasta	23580.0	7.063	nan	237.859	nan	161.600	nan
564.fasta	10.0	1.234	nan	7.333	nan	5.300	nan
564.fasta	2367.0	4.077	nan	112.230	nan	62.600	nan
564.fasta	4724.0	5.096	nan	143.306	nan	82.000	nan
564.fasta	7081.0	5.586	nan	158.916	nan	98.600	nan
564.fasta	9438.0	6.099	nan	177.129	nan	109.100	nan
564.fasta	11795.0	6.540	nan	199.866	nan	121.600	nan
564.fasta	14152.0	6.820	nan	225.159	nan	133.700	nan
564.fasta	16509.0	7.232	nan	232.993	nan	141.500	nan
564.fasta	18866.0	7.455	nan	238.159	nan	148.500	nan
564.fasta	21223.0	7.549	nan	248.874	nan	152.000	nan
564.fasta	23580.0	7.877	nan	260.790	nan	161.900	nan
565.fasta	10.0	1.270	nan	7.750	nan	6.000	nan
565.fasta	2367.0	4.025	nan	108.780	nan	60.600	nan
565.fasta	4724.0	4.865	nan	148.509	nan	82.600	nan
565.fasta	7081.0	5.405	nan	169.215	nan	96.100	nan
565.fasta	9438.0	5.911	nan	201.170	nan	113.400	nan
565.fasta	11795.0	6.173	nan	198.884	nan	120.700	nan
565.fasta	14152.0	6.785	nan	229.983	nan	132.100	nan
565.fasta	16509.0	6.872	nan	232.272	nan	139.800	nan
565.fasta	18866.0	7.258	nan	228.515	nan	147.400	nan
565.fasta	21223.0	7.327	nan	247.423	nan	151.700	nan
565.fasta	23580.0	7.622	nan	257.179	nan	161.700	nan
566.fasta	10.0	1.362	nan	11.003	nan	6.300	nan
566.fasta	2367.0	4.365	nan	121.285	nan	70.100	nan
566.fasta	4724.0	5.653	nan	183.462	nan	104.100	nan
566.fasta	7081.0	6.285	nan	219.004	nan	122.700	nan
566.fasta	9438.0	6.500	nan	231.781	nan	135.900	nan
566.fasta	11795.0	7.043	nan	253.782	nan	152.800	nan
566.fasta	14152.0	7.233	nan	243.990	nan	160.500	nan
566.fasta	16509.0	7.532	nan	284.013	nan	173.000	nan
566.fasta	18866.0	7.742	nan	276.567	nan	178.700	nan
566.fasta	21223.0	7.948	nan	281.263	nan	186.500	nan
566.fasta	23580.0	8.168	nan	308.545	nan	197.800	nan
567.fasta	10.0	1.132	nan	9.883	nan	5.900	nan
567.fasta	2367.0	4.856	nan	157.245	nan	79.800	nan
567.fasta	4724.0	5.624	nan	179.031	nan	106.800	nan
567.fasta	7081.0	6.331	nan	205.042	nan	129.800	nan
567.fasta	9438.0	6.789	nan	234.406	nan	146.900	nan
567.fasta	11795.0	7.204	nan	271.865	nan	162.500	nan
567.fasta	14152.0	7.410	nan	287.790	nan	174.300	nan
567.fasta	16509.0	7.850	nan	304.054	nan	184.100	nan
567.fasta	18866.0	8.088	nan	328.882	nan	196.000	nan
567.fasta	21223.0	8.221	nan	327.053	nan	206.300	nan
567.fasta	23580.0	8.479	nan	326.973	nan	216.200	nan
568.fasta	10.0	1.383	nan	13.350	nan	6.300	nan
568.fasta	2367.0	4.292	nan	122.067	nan	68.500	nan
568.fasta	4724.0	5.387	nan	172.302	nan	96.500	nan
568.fasta	7081.0	5.934	nan	207.910	nan	114.300	nan
568.fasta	9438.0	6.401	nan	202.632	nan	130.800	nan
568.fasta	11795.0	6.634	nan	229.167	nan	140.100	nan
568.fasta	14152.0	7.088	nan	265.481	nan	155.800	nan
568.fasta	16509.0	7.249	nan	280.975	nan	163.500	nan
568.fasta	18866.0	7.471	nan	288.274	nan	172.100	nan
568.fasta	21223.0	7.670	nan	276.384	nan	181.500	nan
568.fasta	23580.0	7.952	nan	318.551	nan	191.300	nan
569.fasta	10.0	1.158	nan	8.700	nan	6.000	nan
569.fasta	2367.0	4.875	nan	151.169	nan	81.900	nan
569.fasta	4724.0	5.974	nan	176.833	nan	112.600	nan

569.fasta	7081.0	6.474	nan	207.326	nan	132.400	nan
569.fasta	9438.0	7.000	nan	228.574	nan	150.900	nan
569.fasta	11795.0	7.454	nan	261.189	nan	166.200	nan
569.fasta	14152.0	7.626	nan	272.746	nan	176.200	nan
569.fasta	16509.0	7.835	nan	285.247	nan	184.600	nan
569.fasta	18866.0	8.142	nan	308.299	nan	196.800	nan
569.fasta	21223.0	8.303	nan	321.596	nan	202.900	nan
569.fasta	23580.0	8.501	nan	318.557	nan	212.600	nan
570.fasta	10.0	1.340	nan	9.453	nan	6.400	nan
570.fasta	2367.0	4.629	nan	125.398	nan	75.800	nan
570.fasta	4724.0	5.368	nan	159.366	nan	100.600	nan
570.fasta	7081.0	6.049	nan	202.638	nan	119.800	nan
570.fasta	9438.0	6.470	nan	217.484	nan	136.500	nan
570.fasta	11795.0	6.760	nan	236.308	nan	146.700	nan
570.fasta	14152.0	6.907	nan	226.669	nan	154.000	nan
570.fasta	16509.0	7.098	nan	244.650	nan	164.000	nan
570.fasta	18866.0	7.495	nan	262.093	nan	175.800	nan
570.fasta	21223.0	7.594	nan	267.308	nan	182.800	nan
570.fasta	23580.0	7.791	nan	290.910	nan	188.000	nan
751.fasta	10.0	1.356	nan	11.150	nan	6.400	nan
751.fasta	2367.0	4.761	nan	134.764	nan	75.300	nan
751.fasta	4724.0	5.857	nan	179.987	nan	104.200	nan
751.fasta	7081.0	6.437	nan	206.921	nan	122.600	nan
751.fasta	9438.0	7.133	nan	236.851	nan	141.400	nan
751.fasta	11795.0	7.438	nan	235.167	nan	152.100	nan
751.fasta	14152.0	7.831	nan	257.669	nan	165.700	nan
751.fasta	16509.0	8.101	nan	289.059	nan	178.200	nan
751.fasta	18866.0	8.687	nan	293.159	nan	189.000	nan
751.fasta	21223.0	8.719	nan	303.521	nan	193.200	nan
751.fasta	23580.0	9.040	nan	306.098	nan	204.200	nan
752.fasta	10.0	1.177	nan	9.350	nan	5.600	nan
752.fasta	2367.0	4.127	nan	106.622	nan	61.600	nan
752.fasta	4724.0	4.964	nan	155.167	nan	83.800	nan
752.fasta	7081.0	5.471	nan	170.274	nan	96.800	nan
752.fasta	9438.0	6.070	nan	215.810	nan	116.500	nan
752.fasta	11795.0	6.210	nan	225.195	nan	122.300	nan
752.fasta	14152.0	6.585	nan	226.314	nan	133.100	nan
752.fasta	16509.0	6.879	nan	215.714	nan	143.500	nan
752.fasta	18866.0	7.021	nan	232.963	nan	150.900	nan
752.fasta	21223.0	7.337	nan	232.164	nan	157.500	nan
752.fasta	23580.0	7.433	nan	244.115	nan	163.800	nan
753.fasta	10.0	0.933	nan	7.267	nan	5.100	nan
753.fasta	2367.0	4.159	nan	106.736	nan	61.900	nan
753.fasta	4724.0	4.842	nan	137.624	nan	82.800	nan
753.fasta	7081.0	5.312	nan	162.263	nan	100.300	nan
753.fasta	9438.0	5.864	nan	181.218	nan	113.800	nan
753.fasta	11795.0	6.107	nan	202.661	nan	122.400	nan
753.fasta	14152.0	6.503	nan	224.311	nan	133.200	nan
753.fasta	16509.0	6.573	nan	217.778	nan	139.600	nan
753.fasta	18866.0	7.004	nan	234.542	nan	152.700	nan
753.fasta	21223.0	7.309	nan	240.326	nan	160.100	nan
753.fasta	23580.0	7.400	nan	259.566	nan	164.800	nan
754.fasta	10.0	1.097	nan	8.800	nan	5.500	nan
754.fasta	2367.0	4.030	nan	101.983	nan	59.300	nan
754.fasta	4724.0	4.945	nan	161.030	nan	83.800	nan
754.fasta	7081.0	5.548	nan	179.393	nan	96.700	nan
754.fasta	9438.0	5.943	nan	165.673	nan	109.900	nan
754.fasta	11795.0	6.047	nan	170.510	nan	118.000	nan
754.fasta	14152.0	6.347	nan	182.238	nan	126.100	nan
754.fasta	16509.0	6.506	nan	192.202	nan	132.900	nan
754.fasta	18866.0	6.757	nan	194.610	nan	142.500	nan
754.fasta	21223.0	6.969	nan	206.450	nan	146.600	nan
754.fasta	23580.0	7.036	nan	211.341	nan	152.800	nan
755.fasta	10.0	1.243	nan	9.000	nan	5.700	nan
755.fasta	2367.0	4.300	nan	115.825	nan	62.600	nan
755.fasta	4724.0	4.942	nan	134.572	nan	83.200	nan
755.fasta	7081.0	5.645	nan	172.742	nan	99.400	nan
755.fasta	9438.0	5.965	nan	199.153	nan	111.300	nan
755.fasta	11795.0	6.324	nan	210.746	nan	123.500	nan
755.fasta	14152.0	6.519	nan	215.907	nan	131.800	nan
755.fasta	16509.0	6.811	nan	219.668	nan	140.400	nan
755.fasta	18866.0	7.102	nan	252.716	nan	149.200	nan
755.fasta	21223.0	7.399	nan	251.855	nan	156.900	nan
755.fasta	23580.0	7.521	nan	250.074	nan	162.300	nan
756.fasta	10.0	1.476	nan	10.050	nan	6.600	nan
756.fasta	2367.0	5.014	nan	146.503	nan	82.500	nan
756.fasta	4724.0	6.032	nan	201.410	nan	111.400	nan
756.fasta	7081.0	6.755	nan	232.804	nan	139.700	nan
756.fasta	9438.0	7.453	nan	261.862	nan	158.900	nan
756.fasta	11795.0	7.858	nan	275.212	nan	172.600	nan
756.fasta	14152.0	8.210	nan	307.889	nan	185.400	nan
756.fasta	16509.0	8.689	nan	338.571	nan	202.400	nan
756.fasta	18866.0	8.838	nan	337.262	nan	209.000	nan
756.fasta	21223.0	9.101	nan	367.255	nan	219.900	nan

756.fasta	23580.0	9.344	nan	356.985	nan	228.300	nan
757.fasta	10.0	1.379	nan	9.300	nan	6.300	nan
757.fasta	2367.0	4.307	nan	124.852	nan	70.000	nan
757.fasta	4724.0	5.278	nan	163.758	nan	91.700	nan
757.fasta	7081.0	5.798	nan	186.346	nan	108.300	nan
757.fasta	9438.0	6.331	nan	210.489	nan	127.800	nan
757.fasta	11795.0	6.563	nan	240.481	nan	136.200	nan
757.fasta	14152.0	6.834	nan	263.304	nan	149.900	nan
757.fasta	16509.0	7.202	nan	260.141	nan	156.700	nan
757.fasta	18866.0	7.478	nan	278.900	nan	169.800	nan
757.fasta	21223.0	7.636	nan	274.430	nan	174.100	nan
757.fasta	23580.0	7.852	nan	298.873	nan	182.900	nan
758.fasta	10.0	1.365	nan	11.500	nan	6.300	nan
758.fasta	2367.0	4.332	nan	119.634	nan	68.600	nan
758.fasta	4724.0	5.207	nan	138.390	nan	89.100	nan
758.fasta	7081.0	5.884	nan	172.762	nan	106.000	nan
758.fasta	9438.0	6.220	nan	197.984	nan	122.800	nan
758.fasta	11795.0	6.520	nan	217.423	nan	130.200	nan
758.fasta	14152.0	6.975	nan	237.443	nan	142.600	nan
758.fasta	16509.0	7.135	nan	234.452	nan	148.300	nan
758.fasta	18866.0	7.382	nan	245.962	nan	157.700	nan
758.fasta	21223.0	7.562	nan	267.790	nan	165.800	nan
758.fasta	23580.0	7.734	nan	271.883	nan	175.000	nan
759.fasta	10.0	1.251	nan	9.833	nan	5.900	nan
759.fasta	2367.0	4.248	nan	122.525	nan	64.700	nan
759.fasta	4724.0	5.098	nan	150.175	nan	85.100	nan
759.fasta	7081.0	5.889	nan	169.210	nan	102.000	nan
759.fasta	9438.0	6.498	nan	175.890	nan	117.100	nan
759.fasta	11795.0	7.059	nan	208.384	nan	132.500	nan
759.fasta	14152.0	7.215	nan	212.158	nan	137.100	nan
759.fasta	16509.0	7.776	nan	233.821	nan	147.700	nan
759.fasta	18866.0	8.011	nan	233.841	nan	155.600	nan
759.fasta	21223.0	8.201	nan	241.071	nan	161.800	nan
759.fasta	23580.0	8.364	nan	244.226	nan	170.400	nan
760.fasta	10.0	1.381	nan	10.450	nan	6.200	nan
760.fasta	2367.0	4.413	nan	129.692	nan	67.100	nan
760.fasta	4724.0	5.543	nan	163.199	nan	92.500	nan
760.fasta	7081.0	5.868	nan	182.886	nan	105.200	nan
760.fasta	9438.0	6.397	nan	204.648	nan	121.500	nan
760.fasta	11795.0	6.818	nan	203.054	nan	130.200	nan
760.fasta	14152.0	7.101	nan	235.007	nan	144.000	nan
760.fasta	16509.0	7.426	nan	234.590	nan	152.500	nan
760.fasta	18866.0	7.613	nan	257.740	nan	160.200	nan
760.fasta	21223.0	7.897	nan	261.573	nan	170.500	nan
760.fasta	23580.0	8.083	nan	268.634	nan	178.200	nan
761.fasta	10.0	1.071	nan	8.700	nan	5.300	nan
761.fasta	2367.0	4.428	nan	118.117	nan	66.200	nan
761.fasta	4724.0	5.292	nan	163.863	nan	88.200	nan
761.fasta	7081.0	5.960	nan	173.485	nan	103.100	nan
761.fasta	9438.0	6.420	nan	217.210	nan	119.400	nan
761.fasta	11795.0	6.878	nan	230.144	nan	131.100	nan
761.fasta	14152.0	7.143	nan	224.298	nan	139.200	nan
761.fasta	16509.0	7.535	nan	260.674	nan	151.400	nan
761.fasta	18866.0	7.950	nan	243.939	nan	161.500	nan
761.fasta	21223.0	8.227	nan	267.053	nan	165.400	nan
761.fasta	23580.0	8.353	nan	274.991	nan	175.100	nan
762.fasta	10.0	1.256	nan	7.033	nan	5.500	nan
762.fasta	2367.0	4.734	nan	124.755	nan	69.600	nan
762.fasta	4724.0	5.523	nan	162.491	nan	95.600	nan
762.fasta	7081.0	6.153	nan	192.524	nan	111.100	nan
762.fasta	9438.0	6.823	nan	213.032	nan	130.600	nan
762.fasta	11795.0	7.292	nan	234.630	nan	144.000	nan
762.fasta	14152.0	7.631	nan	241.989	nan	154.500	nan
762.fasta	16509.0	8.254	nan	252.679	nan	168.500	nan
762.fasta	18866.0	8.552	nan	259.067	nan	176.800	nan
762.fasta	21223.0	8.638	nan	276.593	nan	182.200	nan
762.fasta	23580.0	8.866	nan	282.820	nan	191.700	nan
763.fasta	10.0	1.237	nan	8.783	nan	5.900	nan
763.fasta	2367.0	4.339	nan	119.799	nan	65.000	nan
763.fasta	4724.0	5.093	nan	156.068	nan	89.100	nan
763.fasta	7081.0	5.416	nan	178.538	nan	102.900	nan
763.fasta	9438.0	6.155	nan	201.367	nan	120.500	nan
763.fasta	11795.0	6.479	nan	219.875	nan	130.200	nan
763.fasta	14152.0	6.802	nan	215.088	nan	135.300	nan
763.fasta	16509.0	6.930	nan	225.658	nan	146.000	nan
763.fasta	18866.0	7.259	nan	234.374	nan	152.200	nan
763.fasta	21223.0	7.693	nan	239.669	nan	160.100	nan
763.fasta	23580.0	7.506	nan	259.676	nan	166.100	nan
764.fasta	10.0	1.197	nan	8.917	nan	5.500	nan
764.fasta	2367.0	4.821	nan	133.519	nan	78.100	nan
764.fasta	4724.0	6.195	nan	191.408	nan	111.800	nan
764.fasta	7081.0	6.721	nan	209.901	nan	128.500	nan
764.fasta	9438.0	7.220	nan	232.314	nan	143.900	nan
764.fasta	11795.0	7.942	nan	258.159	nan	162.300	nan

764.fasta	14152.0	8.176	nan	264.677	nan	171.100	nan
764.fasta	16509.0	8.508	nan	288.289	nan	184.500	nan
764.fasta	18866.0	8.808	nan	284.477	nan	194.100	nan
764.fasta	21223.0	9.071	nan	311.635	nan	201.600	nan
764.fasta	23580.0	9.330	nan	320.576	nan	215.600	nan
765.fasta	10.0	1.141	nan	7.020	nan	5.600	nan
765.fasta	2367.0	4.799	nan	129.169	nan	74.900	nan
765.fasta	4724.0	5.814	nan	172.953	nan	100.900	nan
765.fasta	7081.0	6.634	nan	209.967	nan	122.400	nan
765.fasta	9438.0	7.160	nan	223.241	nan	139.000	nan
765.fasta	11795.0	7.836	nan	253.041	nan	154.100	nan
765.fasta	14152.0	8.101	nan	277.372	nan	162.900	nan
765.fasta	16509.0	8.537	nan	283.619	nan	174.500	nan
765.fasta	18866.0	8.971	nan	318.626	nan	188.200	nan
765.fasta	21223.0	9.085	nan	313.382	nan	194.000	nan
765.fasta	23580.0	9.344	nan	298.625	nan	201.100	nan
766.fasta	10.0	1.394	nan	9.903	nan	6.300	nan
766.fasta	2367.0	6.609	nan	199.301	nan	94.700	nan
766.fasta	4724.0	8.891	nan	289.198	nan	136.900	nan
766.fasta	7081.0	10.548	nan	341.618	nan	171.000	nan
766.fasta	9438.0	12.075	nan	386.774	nan	194.800	nan
766.fasta	11795.0	12.544	nan	408.328	nan	221.900	nan
766.fasta	14152.0	13.603	nan	442.304	nan	235.900	nan
766.fasta	16509.0	14.362	nan	478.057	nan	253.100	nan
766.fasta	18866.0	15.332	nan	538.365	nan	273.300	nan
766.fasta	21223.0	16.538	nan	565.841	nan	296.700	nan
766.fasta	23580.0	16.924	nan	554.478	nan	303.300	nan
767.fasta	10.0	1.222	nan	8.417	nan	5.700	nan
767.fasta	2367.0	9.413	nan	271.058	nan	109.700	nan
767.fasta	4724.0	13.427	nan	406.731	nan	167.200	nan
767.fasta	7081.0	16.843	nan	548.735	nan	212.700	nan
767.fasta	9438.0	18.729	nan	595.370	nan	251.100	nan
767.fasta	11795.0	20.388	nan	666.312	nan	288.400	nan
767.fasta	14152.0	22.184	nan	715.478	nan	326.300	nan
767.fasta	16509.0	23.165	nan	711.218	nan	352.000	nan
767.fasta	18866.0	24.406	nan	748.291	nan	377.900	nan
767.fasta	21223.0	25.261	nan	793.058	nan	398.200	nan
767.fasta	23580.0	26.155	nan	787.990	nan	418.500	nan
768.fasta	10.0	1.295	nan	9.950	nan	5.700	nan
768.fasta	2367.0	7.465	nan	220.441	nan	89.200	nan
768.fasta	4724.0	9.943	nan	293.109	nan	127.500	nan
768.fasta	7081.0	11.937	nan	390.245	nan	166.800	nan
768.fasta	9438.0	13.433	nan	427.569	nan	188.200	nan
768.fasta	11795.0	15.018	nan	482.519	nan	212.500	nan
768.fasta	14152.0	16.624	nan	594.404	nan	243.500	nan
768.fasta	16509.0	17.450	nan	540.514	nan	257.800	nan
768.fasta	18866.0	18.661	nan	594.625	nan	284.600	nan
768.fasta	21223.0	19.082	nan	595.095	nan	296.000	nan
768.fasta	23580.0	19.992	nan	663.693	nan	315.900	nan
769.fasta	10.0	1.224	nan	7.820	nan	5.700	nan
769.fasta	2367.0	7.313	nan	193.755	nan	92.000	nan
769.fasta	4724.0	10.110	nan	286.097	nan	131.100	nan
769.fasta	7081.0	12.414	nan	373.067	nan	160.000	nan
769.fasta	9438.0	13.778	nan	422.497	nan	187.900	nan
769.fasta	11795.0	14.900	nan	479.189	nan	206.000	nan
769.fasta	14152.0	16.736	nan	546.567	nan	238.800	nan
769.fasta	16509.0	18.030	nan	534.943	nan	253.200	nan
769.fasta	18866.0	18.898	nan	591.233	nan	272.700	nan
769.fasta	21223.0	19.467	nan	601.560	nan	287.400	nan
769.fasta	23580.0	20.866	nan	660.964	nan	313.100	nan
770.fasta	10.0	1.305	nan	9.400	nan	5.800	nan
770.fasta	2367.0	9.895	nan	294.199	nan	104.800	nan
770.fasta	4724.0	13.864	nan	410.582	nan	153.500	nan
770.fasta	7081.0	16.613	nan	554.904	nan	201.000	nan
770.fasta	9438.0	18.720	nan	629.527	nan	246.000	nan
770.fasta	11795.0	21.135	nan	702.804	nan	282.200	nan
770.fasta	14152.0	22.304	nan	704.671	nan	312.100	nan
770.fasta	16509.0	23.984	nan	765.050	nan	344.300	nan
770.fasta	18866.0	25.741	nan	804.015	nan	372.400	nan
770.fasta	21223.0	26.795	nan	831.640	nan	404.700	nan
770.fasta	23580.0	27.964	nan	836.654	nan	424.500	nan
771.fasta	10.0	0.987	nan	7.970	nan	5.700	nan
771.fasta	2367.0	4.580	nan	114.945	nan	73.200	nan
771.fasta	4724.0	5.639	nan	166.826	nan	99.300	nan
771.fasta	7081.0	6.353	nan	203.125	nan	120.100	nan
771.fasta	9438.0	7.079	nan	257.837	nan	140.300	nan
771.fasta	11795.0	7.252	nan	244.985	nan	148.300	nan
771.fasta	14152.0	7.898	nan	260.846	nan	165.700	nan
771.fasta	16509.0	8.262	nan	276.459	nan	175.000	nan
771.fasta	18866.0	8.442	nan	280.566	nan	184.700	nan
771.fasta	21223.0	8.599	nan	318.701	nan	191.900	nan
771.fasta	23580.0	9.003	nan	346.940	nan	200.600	nan
772.fasta	10.0	1.133	nan	11.450	nan	5.700	nan
772.fasta	2367.0	4.481	nan	116.216	nan	66.100	nan

772.fasta	4724.0	5.474	nan	145.994	nan	90.300	nan
772.fasta	7081.0	5.864	nan	182.134	nan	105.400	nan
772.fasta	9438.0	6.393	nan	214.216	nan	121.400	nan
772.fasta	11795.0	7.007	nan	255.296	nan	137.500	nan
772.fasta	14152.0	7.261	nan	235.884	nan	142.900	nan
772.fasta	16509.0	7.466	nan	248.956	nan	153.400	nan
772.fasta	18866.0	7.666	nan	255.119	nan	162.400	nan
772.fasta	21223.0	8.042	nan	264.858	nan	169.200	nan
772.fasta	23580.0	8.138	nan	281.060	nan	175.500	nan
773.fasta	10.0	1.324	nan	14.333	nan	6.600	nan
773.fasta	2367.0	4.496	nan	122.039	nan	67.000	nan
773.fasta	4724.0	5.298	nan	152.721	nan	89.000	nan
773.fasta	7081.0	5.948	nan	162.241	nan	105.700	nan
773.fasta	9438.0	6.476	nan	173.760	nan	117.200	nan
773.fasta	11795.0	6.650	nan	195.822	nan	128.200	nan
773.fasta	14152.0	7.315	nan	232.683	nan	143.600	nan
773.fasta	16509.0	7.292	nan	237.532	nan	149.000	nan
773.fasta	18866.0	7.785	nan	244.921	nan	154.800	nan
773.fasta	21223.0	8.156	nan	276.658	nan	169.500	nan
773.fasta	23580.0	8.130	nan	281.832	nan	172.100	nan
774.fasta	10.0	1.311	nan	10.067	nan	6.300	nan
774.fasta	2367.0	4.680	nan	120.734	nan	73.000	nan
774.fasta	4724.0	5.601	nan	175.854	nan	99.900	nan
774.fasta	7081.0	5.922	nan	207.352	nan	113.700	nan
774.fasta	9438.0	6.700	nan	234.291	nan	135.000	nan
774.fasta	11795.0	7.025	nan	280.109	nan	151.300	nan
774.fasta	14152.0	7.370	nan	286.584	nan	163.700	nan
774.fasta	16509.0	7.345	nan	273.454	nan	167.600	nan
774.fasta	18866.0	7.798	nan	308.514	nan	183.700	nan
774.fasta	21223.0	7.942	nan	285.193	nan	188.100	nan
774.fasta	23580.0	8.318	nan	310.539	nan	200.900	nan
775.fasta	10.0	1.317	nan	13.200	nan	6.700	nan
775.fasta	2367.0	4.868	nan	180.686	nan	79.700	nan
775.fasta	4724.0	6.006	nan	182.503	nan	107.200	nan
775.fasta	7081.0	6.868	nan	241.025	nan	132.200	nan
775.fasta	9438.0	7.209	nan	260.056	nan	146.400	nan
775.fasta	11795.0	7.728	nan	263.880	nan	162.300	nan
775.fasta	14152.0	8.228	nan	293.756	nan	180.500	nan
775.fasta	16509.0	8.464	nan	294.916	nan	187.000	nan
775.fasta	18866.0	8.815	nan	310.743	nan	197.600	nan
775.fasta	21223.0	9.050	nan	339.564	nan	206.100	nan
775.fasta	23580.0	9.275	nan	328.624	nan	215.500	nan

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		Total	3A.fasta	3B.fasta	3C.fasta	3D.fasta	3E.fasta	5A.fasta	5B.fasta	5C.fasta	5D.fasta	5E.fasta	1151.fasta	1152.fasta	1153.fasta	1154.fasta	1155.fasta	1156.fasta	1157.fasta	1158.fas
Legend	Taxonomy	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
	Unassigned;Other	0.4%	0.4%	0.4%	0.4%	0.4%	0.3%	0.2%	0.2%	0.2%	0.1%	0.1%	0.3%	0.3%	0.3%	0.3%	0.4%	0.5%	0.4%	0.4%
	k__Archaea;p__Crenarchaeota	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Archaea;p__Euryarchaeota	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Acidobacteria	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria	0.2%	0.2%	0.1%	0.1%	0.1%	0.3%	0.2%	0.3%	0.2%	0.2%	0.2%	1.1%	0.9%	0.9%	1.0%	1.0%	0.7%	0.4%	0.4%
	k__Bacteria;p__Armatimonadetes	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Bacteroidetes	28.3%	51.5%	54.1%	52.5%	53.0%	50.0%	50.2%	47.3%	48.1%	52.2%	48.2%	30.3%	32.8%	37.3%	35.9%	32.6%	43.7%	47.2%	46.0%
	k__Bacteria;p__Chlamydiae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Cyanobacteria	0.0%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Deferribacteres	0.2%	3.0%	3.5%	2.6%	3.1%	3.8%	0.1%	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Elusimicrobia	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Fibrobacteres	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes	7.8%	32.9%	27.7%	27.5%	27.5%	30.7%	12.6%	10.8%	10.9%	11.0%	9.5%	8.5%	7.5%	7.9%	8.3%	6.9%	4.2%	4.3%	4.3%
	k__Bacteria;p__ Gemmatimonadetes	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Nitrospirae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__OP3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Planctomycetes	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria	26.9%	3.2%	3.3%	3.5%	3.6%	3.2%	6.3%	5.7%	5.2%	5.7%	4.6%	41.9%	36.7%	33.7%	34.0%	34.2%	28.9%	22.3%	24.2%
	k__Bacteria;p__TM6	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Tenericutes	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Verrucomicrobia	36.3%	8.6%	10.8%	13.3%	12.1%	11.6%	30.1%	35.6%	35.3%	30.7%	37.3%	18.0%	21.8%	19.9%	20.4%	24.9%	22.0%	25.4%	24.6%
	k__Bacteria;p__[Thermi]	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Taxonomy Summary. Current Level:

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		Total	3A.fasta	3B.fasta	3C.fasta	3D.fasta	3E.fasta	5A.fasta	5B.fasta	5C.fasta	5D.fasta	5E.fasta	1151.fasta	1152.fasta	1153.fasta	1154.fasta	1155.fasta	1156.fasta	1157.fasta	1158.fast
Legend	Taxonomy	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
	Unassigned;Other;Other	0.4%	0.4%	0.4%	0.4%	0.4%	0.3%	0.2%	0.2%	0.2%	0.1%	0.1%	0.3%	0.3%	0.3%	0.3%	0.4%	0.5%	0.4%	0.4%
	k__Archaea;p__Crenarchaeota;c__Thaumarchaeota	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Archaea;p__Euryarchaeota;c__Thermoplasmata	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;Other;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Acidobacteria;c__Acidobacteria-5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Acidobacteria;c	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

	__Acidobacteria-6																			
	k__Bacteria;p__Acidobacteria;c__Acidobacteriia	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Acidobacteria;c__DA052	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Acidobacteria;c__EC1113	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Acidobacteria;c__Solibacteres	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Acidobacteria;c__Sva0725	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Acidobacteria;c__[Chloracidobacteria]	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Acidobacteria;c__iii1-8	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria;c__Acidimicrobiia	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria;c__Actinobacteria	0.2%	0.2%	0.1%	0.1%	0.1%	0.2%	0.2%	0.3%	0.2%	0.2%	0.1%	1.1%	0.9%	0.9%	1.0%	1.0%	0.7%	0.4%	0.4%
	k__Bacteria;p__Actinobacteria;c__Coriobacteriia	0.0%	0.1%	0.0%	0.0%	0.0%	0.1%	0.1%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria;c__MB-A2-108	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria;c__Nitriliruptoria	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria;c__Rubrobacteria	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria;c__Thermoleophilia	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Armatimonadetes;c__Chthonomonadetes	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Bacteroidetes;c__Bacteroidia	28.3%	51.5%	54.1%	52.5%	53.0%	50.0%	50.2%	47.3%	48.1%	52.2%	48.2%	30.3%	32.8%	37.3%	35.9%	32.6%	43.7%	47.2%	46.0%
	k__Bacteria;p__Bacteroidetes;c__Cytophagia	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Bacteroidetes;c__Flavobacteriia	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Bacteroidetes;c__Sphingobacteriia	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Bacteroidetes;c__[Saprospirae]	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chlamydiae;c__Chlamydiia	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__Anaerolineae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__C0119	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__Chloroflexi	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__Ellin6529	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__Gitt-GS-136	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

	k__Bacteria;p__Chloroflexi;c__Ktedonobacteria	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__S085	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__TK10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__TK17	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__Thermomicrobia	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Cyanobacteria;c__4C0d-2	0.0%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Cyanobacteria;c__Chloroplast	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Cyanobacteria;c__ML635J-21	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Cyanobacteria;c__Oscillatoriophycideae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Cyanobacteria;c__Synechococcophycideae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Deferribacteres;c__Deferribacteres	0.2%	3.0%	3.5%	2.6%	3.1%	3.8%	0.1%	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Elusimicrobia;c__Elusimicrobia	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Fibrobacteres;c__Fibrobacteria	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Bacilli	0.8%	2.1%	1.3%	1.5%	1.4%	2.3%	3.3%	2.5%	2.9%	3.3%	2.4%	3.0%	2.4%	2.4%	2.6%	2.2%	1.4%	1.1%	1.1%
	k__Bacteria;p__Firmicutes;c__Clostridia	7.0%	30.7%	26.4%	25.9%	26.0%	28.4%	9.4%	8.2%	8.0%	7.7%	7.1%	5.5%	5.1%	5.5%	5.7%	4.7%	2.8%	3.2%	3.1%
	k__Bacteria;p__Firmicutes;c__Erysipelotrichi	0.0%	0.1%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Gemmatimonadetes;c__Gemm-1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Gemmatimonadetes;c__Gemm-2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Gemmatimonadetes;c__Gemm-3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Gemmatimonadetes;c__Gemm-5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Gemmatimonadetes;c__Gemmatimonadetes	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Nitrospirae;c__Nitrospira	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__OP3;c__koll11	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Planctomycetes;c__Phycisphaerae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Planctomycetes;c__Planctomycetia	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Planctomycetes;c__vadinHA49	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

	Other																			
	k__Bacteria;p__Proteobacteria;c__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Betaproteobacteria	1.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.6%	1.2%	1.2%	1.1%	1.3%	1.8%	1.2%	1.3%
	k__Bacteria;p__Proteobacteria;c__Deltaproteobacteria	4.8%	3.1%	3.3%	3.4%	3.5%	3.1%	4.3%	3.9%	3.4%	4.0%	3.0%	6.5%	5.0%	5.0%	5.2%	4.9%	3.1%	2.3%	2.3%
	k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria	20.9%	0.0%	0.0%	0.0%	0.0%	0.0%	2.0%	1.7%	1.8%	1.7%	1.5%	33.7%	30.4%	27.5%	27.7%	28.0%	24.1%	18.8%	20.7%
	k__Bacteria;p__TM6;c__SJA-4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Tenericutes;c__Mollicutes	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Verrucomicrobia;c__Opitutae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Verrucomicrobia;c__Verrucomicrobiae	36.3%	8.6%	10.8%	13.3%	12.1%	11.6%	30.1%	35.6%	35.3%	30.7%	37.3%	18.0%	21.8%	19.9%	20.4%	24.9%	22.0%	25.4%	24.6%
	k__Bacteria;p__Verrucomicrobia;c__[Pedosphaerae]	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Verrucomicrobia;c__[Spartobacteria]	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__[Thermi];c__Deinococci	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Taxonomy Summary. Current Level:

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		Total	3A.fasta	3B.fasta	3C.fasta	3D.fasta	3E.fasta	5A.fasta	5B.fasta	5C.fasta	5D.fasta	5E.fasta	1151.fasta	1152.fasta	1153.fasta	1154.fasta	1155.fasta	1156.fasta	1157.fasta	1158.fa
Legend	Taxonomy	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
	Unassigned;Other;Other;Other	0.4%	0.4%	0.4%	0.4%	0.4%	0.3%	0.2%	0.2%	0.2%	0.1%	0.1%	0.3%	0.3%	0.3%	0.3%	0.4%	0.5%	0.4%	0.4%
	k__Archaea;p__Crenarchaeota;c__Thaumarchaeota;o__Nitrososphaerales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Archaea;p__Euryarchaeota;c__Thermoplasmata;o__E2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;Other;Other;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Acidobacteria;c__Acidobacteria-5;o__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Acidobacteria;c__Acidobacteria-6;o__CCU21	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Acidobacteria;c__Acidobacteria-6;o__iii1-15	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Acidobacteria;c__Acidobacteriia;o__Acidobacteriales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Acidobacteria;c__DA052;o__Ellin6513	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Acidobacteria;	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

	c__EC1113;o__																			
	k__Bacteria;p__Acidobacteria; c__Solibacteres;o__JH-WHS99	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Acidobacteria; c__Solibacteres;o__Solibacterales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Acidobacteria; c__Sva0725;o__Sva0725	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Acidobacteria; c__[Chloracidobacteria];o__11-24	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Acidobacteria; c__[Chloracidobacteria];o__RB41	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Acidobacteria; c__iii1-8;o__32-20	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Acidobacteria; c__iii1-8;o__DS-18	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria; c__Acidimicrobiia;o__ Acidimicrobiales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria; c__Actinobacteria;o__ Actinomycetales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria; c__Actinobacteria;o__ Bifidobacteriales	0.2%	0.2%	0.1%	0.1%	0.1%	0.2%	0.2%	0.3%	0.2%	0.2%	0.1%	1.1%	0.9%	0.9%	1.0%	1.0%	0.7%	0.4%	0.4%
	k__Bacteria;p__Actinobacteria; c__Actinobacteria;o__ Micrococcales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria; c__Coriobacteriia;o__ Coriobacteriales	0.0%	0.1%	0.0%	0.0%	0.0%	0.1%	0.1%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria; c__MB-A2-108;o__0319-7L14	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria; c__Nitriliruptoria;o__Euzebyales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria; c__Rubrobacteria;o__ Rubrobacterales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria; c__Thermoleophilia;o__Gaiellales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria; c__Thermoleophilia;o__ Solirubrobacterales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__ Armatimonadetes;c__ Chthonomonadetes;o__SJA-22	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Bacteroidetes; c__Bacteroidia;o__Bacteroidales	28.3%	51.5%	54.1%	52.5%	53.0%	50.0%	50.2%	47.3%	48.1%	52.2%	48.2%	30.3%	32.8%	37.3%	35.9%	32.6%	43.7%	47.2%	46.0%
	k__Bacteria;p__Bacteroidetes; c__Cytophagia;o__Cytophagales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Bacteroidetes; c__Flavobacteriia;o__ Flavobacteriales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Bacteroidetes; c__Sphingobacteriia;o__ Sphingobacteriales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

	k__Bacteria;p__Bacteroidetes;c__[Saprospirae];o__[Saprospirales]	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chlamydiae;c__Chlamydiia;o__Chlamydiales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__Anaerolineae;o__H39	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__C0119;o__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__Chloroflexi;o__AKIW781	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__Chloroflexi;o__[Roseiflexales]	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__Ellin6529;o__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__Gitt-GS-136;o__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__Ktedonobacteria;o__Ktedonobacterales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__Ktedonobacteria;o__TK10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__Ktedonobacteria;o__Thermogemmatisporales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__S085;o__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__TK10;o__AKYG885	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__TK10;o__B07_WMSP1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__TK17;o__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__Thermomicrobia;o__AKYG1722	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__Thermomicrobia;o__JG30-KF-CM45	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__Thermomicrobia;o__Sphaerobacterales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Cyanobacteria;c__4C0d-2;o__SM1D11	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Cyanobacteria;c__4C0d-2;o__YS2	0.0%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Cyanobacteria;c__Chloroplast;o__Chlorophyta	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Cyanobacteria;c__ML635J-21;o__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Cyanobacteria;c__Oscillatoriophycideae;o__Oscillatoriales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Cyanobacteria;c__Synechococcophycideae;o__Pseudanabaenales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

	k__Bacteria;p__Deferribacteres;c__Deferribacteres;o__Deferribacterales	0.2%	3.0%	3.5%	2.6%	3.1%	3.8%	0.1%	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Elusimicrobia;c__Elusimicrobia;o__FAC88	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Fibrobacteres;c__Fibrobacteria;o__258ds10	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales	0.8%	2.0%	1.2%	1.4%	1.3%	2.2%	3.2%	2.5%	2.8%	3.3%	2.4%	3.0%	2.4%	2.4%	2.6%	2.2%	1.4%	1.1%	1.1%
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Turicibacterales	0.0%	0.1%	0.1%	0.0%	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales	7.0%	30.7%	26.4%	25.9%	26.0%	28.4%	9.4%	8.2%	8.0%	7.7%	7.1%	5.5%	5.1%	5.5%	5.7%	4.7%	2.8%	3.2%	3.1%
	k__Bacteria;p__Firmicutes;c__Clostridia;o__OPB54	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Erysipelotrichi;o__Erysipelotrichales	0.0%	0.1%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Gemmatimonadetes;c__Gemm-1;o__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Gemmatimonadetes;c__Gemm-2;o__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Gemmatimonadetes;c__Gemm-3;o__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Gemmatimonadetes;c__Gemm-5;o__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Gemmatimonadetes;c__Gemmatimonadetes;o__Ellin5290	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Gemmatimonadetes;c__Gemmatimonadetes;o__Gemmatimonadales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Gemmatimonadetes;c__Gemmatimonadetes;o__N1423WL	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Nitrospirae;c__Nitrospira;o__Nitrospirales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__OP3;c__koll11;o__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Planctomycetes;c__Phycisphaerae;o__WD2101	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Planctomycetes;c__Planctomycetia;o__Gemmatales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Planctomycetes;c__Planctomycetia;o__Pirellulales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Planctomycetes;	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

	c__Planctomycetia;o__ Planctomycetales																			
	k__Bacteria;p__Planctomycetes; c__vadinHA49;o__DH61	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Planctomycetes; c__vadinHA49;o__p04_C01	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; Other;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__;o__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Caulobacterales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Ellin329	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Rhizobiales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Rhodospirillales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Rickettsiales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Sphingomonadales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Betaproteobacteria;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Betaproteobacteria;o__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Betaproteobacteria;o__ Burkholderiales	1.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.6%	1.2%	1.2%	1.1%	1.3%	1.8%	1.2%	1.3%
	k__Bacteria;p__Proteobacteria; c__Betaproteobacteria;o__ Ellin6067	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Betaproteobacteria;o__IS-44	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Betaproteobacteria;o__MND1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Betaproteobacteria;o__SC-I-84	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Deltaproteobacteria;o__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Deltaproteobacteria;o__ Bdellovibrionales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Deltaproteobacteria;o__ Desulfovibrionales	4.8%	3.1%	3.3%	3.4%	3.5%	3.1%	4.3%	3.9%	3.4%	4.0%	3.0%	6.5%	5.0%	5.0%	5.2%	4.9%	3.1%	2.3%	2.3%
	k__Bacteria;p__Proteobacteria; c__Deltaproteobacteria;o__ Desulfuromonadales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

	k__Bacteria;p__Proteobacteria;c__Deltaproteobacteria;o__MIZ46	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Deltaproteobacteria;o__Myxococcales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Deltaproteobacteria;o__Spirobacillales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Deltaproteobacteria;o__Syntrophobacterales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Deltaproteobacteria;o__[Entotheonellales]	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacteriales	20.9%	0.0%	0.0%	0.0%	0.0%	0.0%	2.0%	1.7%	1.8%	1.7%	1.5%	33.7%	30.4%	27.5%	27.7%	28.0%	24.1%	18.8%	20.7%
	k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Legionellales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Pseudomonadales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Xanthomonadales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__TM6;c__SJA-4;o__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Tenericutes;c__Mollicutes;o__Anaeroplasmatales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Tenericutes;c__Mollicutes;o__RF39	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Verrucomicrobia;c__Opitutae;o__Opitutales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Verrucomicrobia;c__Verrucomicrobiae;o__Verrucomicrobiales	36.3%	8.6%	10.8%	13.3%	12.1%	11.6%	30.1%	35.6%	35.3%	30.7%	37.3%	18.0%	21.8%	19.9%	20.4%	24.9%	22.0%	25.4%	24.6%
	k__Bacteria;p__Verrucomicrobia;c__[Pedosphaerae];o__[Pedosphaerales]	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Verrucomicrobia;c__[Spartobacteria];o__[Chthoniobacterales]	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__[Thermi];c__Deinococci;o__Deinococcales	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Taxonomy Summary. Current Level:

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	Total	3A.fasta	3B.fasta	3C.fasta	3D.fasta	3E.fasta	5A.fasta	5B.fasta	5C.fasta	5D.fasta	5E.fasta	1151.fasta	1152.fasta	1153.fasta	1154.fasta	1155.fasta	1156.fasta	1157.fasta	115

Legend	Taxonomy	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
	Unassigned;Other;Other;Other;Other	0.4%	0.4%	0.4%	0.4%	0.4%	0.3%	0.2%	0.2%	0.2%	0.1%	0.1%	0.3%	0.3%	0.3%	0.3%	0.4%	0.5%	0.4%	(
	k__Archaea;p__Crenarchaeota;c__Thaumarchaeota;o__Nitrososphaerales;f__Nitrososphaeraceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Archaea;p__Euryarchaeota;c__Thermoplasmata;o__E2;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;Other;Other;Other;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Acidobacteria;c__Acidobacteria-5;o__;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Acidobacteria;c__Acidobacteria-6;o__CCU21;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Acidobacteria;c__Acidobacteria-6;o__iii1-15;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Acidobacteria;c__Acidobacteria-6;o__iii1-15;f__RB40	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Acidobacteria;c__Acidobacteria-6;o__iii1-15;f__mb2424	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Acidobacteria;c__Acidobacteriia;o__Acidobacteriales;f__Acidobacteriaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Acidobacteria;c__Acidobacteriia;o__Acidobacteriales;f__Koribacteraceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Acidobacteria;c__DA052;o__Ellin6513;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Acidobacteria;c__EC1113;o__;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Acidobacteria;c__Solibacteres;o__JH-WHS99;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Acidobacteria;c__Solibacteres;o__Solibacterales;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Acidobacteria;c__Solibacteres;o__Solibacterales;f__Solibacteraceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Acidobacteria;c__Sva0725;o__Sva0725;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Acidobacteria;c__[Chloracidobacteria];o__11-24;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Acidobacteria;c__[Chloracidobacteria];o__RB41;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Acidobacteria;c__[Chloracidobacteria];o__RB41;f__Ellin6075	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Acidobacteria;c__iii1-8;o__32-20;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Acidobacteria;c__iii1-8;o__DS-18;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Actinobacteria;c__Acidimicrobiia;o__Acidimicrobiales;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(

	k__Bacteria;p__Actinobacteria;c__Acidimicrobiia;o__Acidimicrobiales;f__C111	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Actinobacteria;c__Acidimicrobiia;o__Acidimicrobiales;f__EB1017	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Cellulomonadaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Frankiaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Geodermatophilaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Intrasporangiaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Kineosporiaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Microbacteriaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Micrococcaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Micromonosporaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Mycobacteriaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Nakamurellaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Nocardiaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Nocardioidaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Pseudonocardiaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(

	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Streptomycetaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Streptosporangiaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Thermomonosporaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Bifidobacteriales;f__Bifidobacteriaceae	0.2%	0.2%	0.1%	0.1%	0.1%	0.2%	0.2%	0.3%	0.2%	0.2%	0.1%	1.1%	0.9%	0.9%	1.0%	1.0%	0.7%	0.4%	(
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Micrococcales;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Actinobacteria;c__Coriobacteriia;o__Coriobacteriales;f__Coriobacteriaceae	0.0%	0.1%	0.0%	0.0%	0.0%	0.1%	0.1%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Actinobacteria;c__MB-A2-108;o__0319-7L14;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Actinobacteria;c__Nitriliruptoria;o__Euzebyales;f__Euzebyaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Actinobacteria;c__Rubrobacteria;o__Rubrobacterales;f__Rubrobacteraceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Actinobacteria;c__Thermoleophilia;o__Gaiellales;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Actinobacteria;c__Thermoleophilia;o__Gaiellales;f__AK1AB1_02E	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Actinobacteria;c__Thermoleophilia;o__Gaiellales;f__Gaiellaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Actinobacteria;c__Thermoleophilia;o__Solirubrobacterales;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Actinobacteria;c__Thermoleophilia;o__Solirubrobacterales;f__Conexibacteraceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Actinobacteria;c__Thermoleophilia;o__Solirubrobacterales;f__Patulibacteraceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Actinobacteria;c__Thermoleophilia;o__Solirubrobacterales;f__Solirubrobacteraceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Armatimonadetes;c__Chthonomonadetes;o__SJA-22;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Bacteroidetes;	25.0%	25.6%	25.6%	24.7%	24.7%	23.5%	28.4%	28.8%	29.6%	32.3%	31.4%	30.2%	32.7%	37.3%	35.8%	32.5%	43.4%	47.0%	4

	c__Bacteroidia;o__Bacteroidales;f__ Bacteroidaceae																			
	k__Bacteria;p__Bacteroidetes; c__Bacteroidia;o__Bacteroidales;f__ Porphyromonadaceae	0.8%	5.9%	6.9%	5.5%	6.3%	4.7%	7.3%	6.2%	5.7%	6.9%	5.8%	0.1%	0.1%	0.1%	0.1%	0.1%	0.2%	0.2%	(
	k__Bacteria;p__Bacteroidetes; c__Bacteroidia;o__ Bacteroidales;f__Rikenellaceae	1.0%	5.6%	5.4%	5.4%	5.4%	6.4%	0.3%	0.3%	0.3%	0.3%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Bacteroidetes; c__Bacteroidia;o__ Bacteroidales;f__S24-7	1.4%	14.4%	16.1%	16.9%	16.6%	15.5%	14.3%	12.1%	12.5%	12.7%	10.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Bacteroidetes; c__Cytophagia;o__Cytophagales; f__Cytophagaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Bacteroidetes; c__Flavobacteriia;o__ Flavobacteriales;f__Flavobacteriaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Bacteroidetes; c__Sphingobacteriia;o__ Sphingobacteriales;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Bacteroidetes; c__Sphingobacteriia;o__ Sphingobacteriales;f__ Sphingobacteriaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Bacteroidetes; c__[Saprospirae];o__[Saprospirales];f__Chitinophagaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Chlamydiae;c__ Chlamydiia;o__Chlamydiales;f__ Parachlamydiaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Chlamydiae;c__ Chlamydiia;o__Chlamydiales;f__ Rhabdochlamydiaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Chloroflexi;c__ Anaerolineae;o__H39;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Chloroflexi;c__ C0119;o__;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Chloroflexi;c__ Chloroflexi;o__AKIW781;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Chloroflexi;c__ Chloroflexi;o__[Roseiflexales];f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Chloroflexi;c__ Ellin6529;o__;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Chloroflexi;c__Gitt-GS-136;o__;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Chloroflexi;c__ Ktedonobacteria;o__ Ktedonobacterales;f__ Ktedonobacteraceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Chloroflexi;c__ Ktedonobacteria;o__TK10;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Chloroflexi;c__ Ktedonobacteria;o__ Thermogemmatisporales;f__ Thermogemmatisporaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Chloroflexi;c__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(

	S085;o__;f__																			
	k__Bacteria;p__Chloroflexi;c__TK10;o__AKYG885;f__Dolo_23	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Chloroflexi;c__TK10;o__B07_WMSP1;f__FFCH4570	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Chloroflexi;c__TK17;o__;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Chloroflexi;c__Thermomicrobia;o__AKYG1722;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Chloroflexi;c__Thermomicrobia;o__JG30-KF-CM45;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Chloroflexi;c__Thermomicrobia;o__Sphaerobacterales;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Cyanobacteria;c__4C0d-2;o__SM1D11;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Cyanobacteria;c__4C0d-2;o__YS2;f__	0.0%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Cyanobacteria;c__Chloroplast;o__Chlorophyta;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Cyanobacteria;c__ML635J-21;o__;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Cyanobacteria;c__Oscillatoriophycideae;o__Oscillatoriales;f__Phormidiaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Cyanobacteria;c__Synechococcophycideae;o__Pseudanabaenales;f__Pseudanabaenaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Deferribacteres;c__Deferribacteres;o__Deferribacterales;f__Deferribacteraceae	0.2%	3.0%	3.5%	2.6%	3.1%	3.8%	0.1%	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Elusimicrobia;c__Elusimicrobia;o__FAC88;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Fibrobacteres;c__Fibrobacteria;o__258ds10;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Alicyclobacillaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Bacillaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Paenibacillaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Planococcaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(

	Staphylococcaceae																			
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Thermoactinomycetaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Enterococcaceae	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	0.5%	0.4%	0.5%	0.4%	0.1%	0.1%	(
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Lactobacillaceae	0.6%	2.0%	1.2%	1.4%	1.3%	2.2%	3.2%	2.5%	2.8%	3.3%	2.4%	2.4%	1.9%	2.0%	2.0%	1.8%	1.3%	1.0%	1
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Streptococcaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Turicibacterales;f__Turicibacteraceae	0.0%	0.1%	0.1%	0.0%	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__	0.8%	14.9%	12.9%	13.0%	12.7%	13.4%	4.4%	3.6%	3.6%	3.5%	3.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Clostridiaceae	3.3%	1.5%	1.2%	0.9%	0.9%	1.4%	1.8%	1.7%	1.7%	1.8%	1.7%	3.0%	2.9%	3.3%	3.3%	2.3%	1.5%	1.8%	1
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Dehalobacteriaceae	0.0%	0.5%	0.4%	0.4%	0.4%	0.3%	0.2%	0.2%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Lachnospiraceae	2.1%	6.6%	5.5%	5.1%	5.3%	6.6%	1.2%	1.3%	1.1%	1.0%	1.1%	1.8%	1.5%	1.5%	1.6%	1.6%	1.1%	1.2%	1
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Peptococcaceae	0.0%	0.3%	0.3%	0.3%	0.3%	0.3%	0.1%	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Peptostreptococcaceae	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.8%	0.7%	0.7%	0.8%	0.7%	0.3%	0.2%	(
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Ruminococcaceae	0.4%	6.9%	6.1%	6.2%	6.5%	6.4%	1.7%	1.4%	1.4%	1.2%	1.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Symbiobacteriaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__[Mogibacteriaceae]	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Firmicutes;c__Clostridia;o__OPB54;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Firmicutes;c__Erysipelotrichi;o__Erysipelotrichales;f__Erysipelotrichaceae	0.0%	0.1%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Gemmatimonadetes;c__Gemm-1;o__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(

	;f__																			
	k__Bacteria;p__ Gemmatimonadetes;c__Gemm-2;o__ ;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__ Gemmatimonadetes;c__Gemm-3;o__ ;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__ Gemmatimonadetes;c__Gemm-5;o__ ;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__ Gemmatimonadetes;c__ Gemmatimonadetes;o__Ellin5290;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__ Gemmatimonadetes;c__ Gemmatimonadetes;o__ Gemmatimonadales;f__Ellin5301	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__ Gemmatimonadetes;c__ Gemmatimonadetes;o__N1423WL;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Nitrospirae;c__ Nitrospira;o__Nitrospirales;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Nitrospirae;c__ Nitrospira;o__Nitrospirales;f__0319-6A21	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__OP3;c__koll11; o__;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Planctomycetes; c__Phycisphaerae;o__WD2101;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Planctomycetes; c__Planctomycetia;o__ Gemmatales;f__Gemmataceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Planctomycetes; c__Planctomycetia;o__ Gemmatales;f__Isosphaeraceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Planctomycetes; c__Planctomycetia;o__ Pirellulales;f__Pirellulaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Planctomycetes; c__Planctomycetia;o__ Planctomycetales;f__ Planctomycetaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Planctomycetes; c__vadinHA49;o__DH61;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Planctomycetes; c__vadinHA49;o__p04_C01;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Proteobacteria; Other;Other;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Proteobacteria; c__;o__;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Caulobacterales;f__Caulobacteraceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Ellin329;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(

	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Rhizobiales;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Rhizobiales;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Rhizobiales;f__Beijerinckiaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Rhizobiales;f__Bradyrhizobiaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Rhizobiales;f__Hyphomicrobiaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Rhizobiales;f__Methylobacteriaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Rhizobiales;f__Methylocystaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Rhizobiales;f__Phyllobacteriaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Rhizobiales;f__Rhizobiaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Rhizobiales;f__Xanthobacteraceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Rhodospirillales;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Rhodospirillales;f__Acetobacteraceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Rhodospirillales;f__Rhodospirillaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Rickettsiales;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Sphingomonadales;f__ Sphingomonadaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Proteobacteria; c__Betaproteobacteria;Other;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Proteobacteria; c__Betaproteobacteria;o__;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Proteobacteria; c__Betaproteobacteria;o__ Burkholderiales;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Proteobacteria; c__Betaproteobacteria;o__ Burkholderiales;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(

	k__Bacteria;p__Proteobacteria; c__Betaproteobacteria;o__ Burkholderiales;f__Alcaligenaceae	1.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.6%	1.2%	1.2%	1.1%	1.3%	1.8%	1.2%	1
	k__Bacteria;p__Proteobacteria; c__Betaproteobacteria;o__ Burkholderiales;f__Burkholderiaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
	k__Bacteria;p__Proteobacteria; c__Betaproteobacteria;o__ Burkholderiales;f__Comamonadaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
	k__Bacteria;p__Proteobacteria; c__Betaproteobacteria;o__ Burkholderiales;f__Oxalobacteraceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
	k__Bacteria;p__Proteobacteria; c__Betaproteobacteria;o__ Ellin6067;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
	k__Bacteria;p__Proteobacteria; c__Betaproteobacteria;o__IS-44;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
	k__Bacteria;p__Proteobacteria; c__Betaproteobacteria;o__MND1;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
	k__Bacteria;p__Proteobacteria; c__Betaproteobacteria;o__SC-I-84;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
	k__Bacteria;p__Proteobacteria; c__Deltaproteobacteria;o__;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
	k__Bacteria;p__Proteobacteria; c__Deltaproteobacteria;o__ Bdellovibrionales;f__ Bdellovibrionaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
	k__Bacteria;p__Proteobacteria; c__Deltaproteobacteria;o__ Desulfovibrionales;f__ Desulfovibrionaceae	4.8%	3.1%	3.3%	3.4%	3.5%	3.1%	4.3%	3.9%	3.4%	4.0%	3.0%	6.5%	5.0%	5.0%	5.2%	4.9%	3.1%	2.3%	2
	k__Bacteria;p__Proteobacteria; c__Deltaproteobacteria;o__ Desulfuromonadales;f__ Geobacteraceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
	k__Bacteria;p__Proteobacteria; c__Deltaproteobacteria;o__MIZ46;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
	k__Bacteria;p__Proteobacteria; c__Deltaproteobacteria;o__ Myxococcales;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
	k__Bacteria;p__Proteobacteria; c__Deltaproteobacteria;o__ Myxococcales;f__0319-6G20	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
	k__Bacteria;p__Proteobacteria; c__Deltaproteobacteria;o__ Myxococcales;f__Haliangiaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
	k__Bacteria;p__Proteobacteria; c__Deltaproteobacteria;o__ Myxococcales;f__Myxococcaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
	k__Bacteria;p__Proteobacteria; c__Deltaproteobacteria;o__ Myxococcales;f__OM27	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
	k__Bacteria;p__Proteobacteria; c__Deltaproteobacteria;o__ Myxococcales;f__Polyangiaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
	k__Bacteria;p__Proteobacteria;	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0

	c__Deltaproteobacteria;o__ Spirobacillales;f__																			
	k__Bacteria;p__Proteobacteria; c__Deltaproteobacteria;o__ Syntrophobacterales;f__ Syntrophobacteraceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Proteobacteria; c__Deltaproteobacteria;o__[Entotheonellales];f__[Entotheonellaceae]	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Proteobacteria; c__Gammaproteobacteria;o__ Enterobacteriales;f__ Enterobacteriaceae	20.9%	0.0%	0.0%	0.0%	0.0%	0.0%	2.0%	1.7%	1.8%	1.7%	1.5%	33.7%	30.4%	27.5%	27.7%	28.0%	24.1%	18.8%	2
	k__Bacteria;p__Proteobacteria; c__Gammaproteobacteria;o__ Legionellales;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Proteobacteria; c__Gammaproteobacteria;o__ Legionellales;f__Coxiellaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Proteobacteria; c__Gammaproteobacteria;o__ Legionellales;f__Legionellaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Proteobacteria; c__Gammaproteobacteria;o__ Pseudomonadales;f__ Pseudomonadaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Proteobacteria; c__Gammaproteobacteria;o__ Xanthomonadales;f__Sinobacteraceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Proteobacteria; c__Gammaproteobacteria;o__ Xanthomonadales;f__ Xanthomonadaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__TM6;c__SJA-4;o_ _;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Tenericutes;c__ Mollicutes;o__Anaeroplasmatales;f__ Anaeroplasmataceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Tenericutes;c__ Mollicutes;o__RF39;f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__ Verrucomicrobia;c__Opitutae;o_ _Opitutales;f__Opitutaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Verrucomicrobia;c__ Verrucomicrobiae;o__ Verrucomicrobiales;f__ Verrucomicrobiaceae	36.3%	8.6%	10.8%	13.3%	12.1%	11.6%	30.1%	35.6%	35.3%	30.7%	37.3%	18.0%	21.8%	19.9%	20.4%	24.9%	22.0%	25.4%	2
	k__Bacteria;p__Verrucomicrobia;c__[Pedosphaerae];o__[Pedosphaerales];f__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Verrucomicrobia;c__[Pedosphaerae];o__[Pedosphaerales];f__Ellin515	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(
	k__Bacteria;p__Verrucomicrobia;c__[Spartobacteria];o__[	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(

	Chthoniobacterales];f__[Chthoniobacteraceae]																			
	k__Bacteria;p__[Thermi];c__ Deinococci;o__Deinococcales;f_ _Deinococcaceae	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	(

Taxonomy Summary. Current Level:

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		Total	3A.fasta	3B.fasta	3C.fasta	3D.fasta	3E.fasta	5A.fasta	5B.fasta	5C.fasta	5D.fasta	5E.fasta	1151.fasta	1152.fasta	1153.fasta	1154.fasta	1155.fasta	1156.fasta	1157.fasta	11
Legend	Taxonomy	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
	Unassigned;Other;Other;Other; Other;Other	0.4%	0.4%	0.4%	0.4%	0.4%	0.3%	0.2%	0.2%	0.2%	0.1%	0.1%	0.3%	0.3%	0.3%	0.3%	0.4%	0.5%	0.4%	
	k__Archaea;p__Crenarchaeota;c_ _Thaumarchaeota;o__ Nitrososphaerales;f__ Nitrososphaeraceae;g__ Candidatus Nitrososphaera	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Archaea;p__Euryarchaeota;c_ _Thermoplasmata;o__E2;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;Other;Other;Other; Other;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Acidobacteria; c__Acidobacteria-5;o__;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Acidobacteria; c__Acidobacteria-6;o__CCU21;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Acidobacteria; c__Acidobacteria-6;o__iii1-15;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Acidobacteria; c__Acidobacteria-6;o__iii1-15; f__RB40;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Acidobacteria; c__Acidobacteria-6;o__iii1-15; f__mb2424;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Acidobacteria; c__Acidobacteriia;o__ Acidobacteriales;f__ Acidobacteriaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Acidobacteria; c__Acidobacteriia;o__ Acidobacteriales;f__ Acidobacteriaceae;g__Edaphobacter	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Acidobacteria; c__Acidobacteriia;o__ Acidobacteriales;f__ Koribacteraceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Acidobacteria; c__Acidobacteriia;o__ Acidobacteriales;f__ Koribacteraceae;g__Candidatus Koribacter	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Acidobacteria; c__DA052;o__Ellin6513;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	

	k__Bacteria;p__Acidobacteria; c__EC1113;o__;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Acidobacteria; c__Solibacteres;o__JH-WHS99;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Acidobacteria; c__Solibacteres;o__ Solibacterales;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Acidobacteria; c__Solibacteres;o__Solibacterales;f__ Solibacteraceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Acidobacteria; c__Solibacteres;o__Solibacterales;f__ Solibacteraceae;g__Candidatus Solibacter	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Acidobacteria; c__Sva0725;o__Sva0725;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Acidobacteria; c__[Chloracidobacteria];o__11-24;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Acidobacteria; c__[Chloracidobacteria];o__ RB41;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Acidobacteria; c__[Chloracidobacteria];o__ RB41;f__Ellin6075;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Acidobacteria;c__iii1-8;o__32-20;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Acidobacteria;c__iii1-8;o__DS-18;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria; c__Acidimicrobiia;o__ Acidimicrobiales;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria; c__Acidimicrobiia;o__ Acidimicrobiales;f__C111;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria; c__Acidimicrobiia;o__ Acidimicrobiales;f__EB1017;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria; c__Actinobacteria;o__ Actinomycetales;Other;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria; c__Actinobacteria;o__ Actinomycetales;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria; c__Actinobacteria;o__ Actinomycetales;f__ Cellulomonadaceae;g__Cellulomonas	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria; c__Actinobacteria;o__ Actinomycetales;f__Frankiaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria; c__Actinobacteria;o__ Actinomycetales;f__ Frankiaceae;g__Frankia	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Geodermatophilaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Geodermatophilaceae;g__Geodermatophilus	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Geodermatophilaceae;g__Modestobacter	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Intrasporangiaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Kineosporiaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Microbacteriaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Micrococcaceae;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Micrococcaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Micrococcaceae;g__Arthrobacter	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Micromonosporaceae;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Micromonosporaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Micromonosporaceae;g__Actinoplanes	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Micromonosporaceae;g__Dactylosporangium	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

	Actinomycetales;f__ Micromonosporaceae;g__Pilimelia																		
	k__Bacteria;p__Actinobacteria; c__Actinobacteria;o__ Actinomycetales;f__ Micromonosporaceae;g__ Virgisporangium	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria; c__Actinobacteria;o__ Actinomycetales;f__ Mycobacteriaceae;g__Mycobacterium	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria; c__Actinobacteria;o__ Actinomycetales;f__ Nakamurellaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria; c__Actinobacteria;o__ Actinomycetales;f__ Nocardiaceae;g__Nocardia	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria; c__Actinobacteria;o__ Actinomycetales;f__ Nocardioidaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria; c__Actinobacteria;o__ Actinomycetales;f__ Nocardioidaceae;g__Aeromicrobium	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria; c__Actinobacteria;o__ Actinomycetales;f__ Nocardioidaceae;g__Kribbella	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria; c__Actinobacteria;o__ Actinomycetales;f__ Nocardioidaceae;g__Nocardioides	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria; c__Actinobacteria;o__ Actinomycetales;f__ Pseudonocardiaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria; c__Actinobacteria;o__ Actinomycetales;f__ Pseudonocardiaceae;g__ Actinomycetospora	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria; c__Actinobacteria;o__ Actinomycetales;f__ Pseudonocardiaceae;g__Amycolatopsis	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria; c__Actinobacteria;o__ Actinomycetales;f__ Pseudonocardiaceae;g__ Pseudonocardia	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria; c__Actinobacteria;o__ Actinomycetales;f__ Streptomycetaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Streptomycetaceae;g__Streptomyces	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Streptosporangiaceae;g__Streptosporangium	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Thermomonosporaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Thermomonosporaceae;g__Actinoallomurus	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Actinomycetales;f__Thermomonosporaceae;g__Actinomadura	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Bifidobacteriales;f__Bifidobacteriaceae;g__Bifidobacterium	0.2%	0.2%	0.1%	0.1%	0.1%	0.2%	0.2%	0.3%	0.2%	0.2%	0.1%	1.1%	0.9%	0.9%	1.0%	1.0%	0.7%	0.4%
	k__Bacteria;p__Actinobacteria;c__Actinobacteria;o__Micrococcales;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria;c__Coriobacteriia;o__Coriobacteriales;f__Coriobacteriaceae;g__Adlercreutzia	0.0%	0.1%	0.0%	0.0%	0.0%	0.1%	0.1%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria;c__MB-A2-108;o__0319-7L14;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria;c__Nitriliruptoria;o__Euzebyales;f__Euzebyaceae;g__Euzebya	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria;c__Rubrobacteria;o__Rubrobacterales;f__Rubrobacteraceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria;c__Rubrobacteria;o__Rubrobacterales;f__Rubrobacteraceae;g__Rubrobacter	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria;c__Thermoleophilia;o__Gaiellales;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria;c__Thermoleophilia;o__Gaiellales;f__AK1AB1_02E;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Actinobacteria;c__Thermoleophilia;o__Gaiellales;f__Gaiellaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

	k__Bacteria;p__Actinobacteria; c__Thermoleophilia;o__ Solirubrobacterales;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Actinobacteria; c__Thermoleophilia;o__ Solirubrobacterales;f__ Conexibacteraceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Actinobacteria; c__Thermoleophilia;o__ Solirubrobacterales;f__ Patulibacteraceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Actinobacteria; c__Thermoleophilia;o__ Solirubrobacterales;f__ Solirubrobacteraceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Armatimonadetes;c__ Chthonomonadetes;o__SJA-22;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Bacteroidetes; c__Bacteroidia;o__Bacteroidales;f__ Bacteroidaceae;g__Bacteroides	25.0%	25.6%	25.6%	24.7%	24.7%	23.5%	28.4%	28.8%	29.6%	32.3%	31.4%	30.2%	32.7%	37.3%	35.8%	32.5%	43.4%	47.0%	4
	k__Bacteria;p__Bacteroidetes; c__Bacteroidia;o__Bacteroidales;f__ Porphyromonadaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Bacteroidetes; c__Bacteroidia;o__Bacteroidales;f__ Porphyromonadaceae;g__ Parabacteroides	0.8%	5.9%	6.9%	5.5%	6.3%	4.7%	7.3%	6.2%	5.7%	6.9%	5.8%	0.1%	0.1%	0.1%	0.1%	0.1%	0.2%	0.2%	
	k__Bacteria;p__Bacteroidetes; c__Bacteroidia;o__Bacteroidales;f__ Rikenellaceae;g__	1.0%	5.6%	5.4%	5.4%	5.4%	6.4%	0.3%	0.3%	0.3%	0.3%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Bacteroidetes; c__Bacteroidia;o__ Bacteroidales;f__S24-7;g__	1.4%	14.4%	16.1%	16.9%	16.6%	15.5%	14.3%	12.1%	12.5%	12.7%	10.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Bacteroidetes; c__Cytophagia;o__Cytophagales; f__Cytophagaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Bacteroidetes; c__Cytophagia;o__Cytophagales; f__Cytophagaceae;g__Adhaeribacter	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Bacteroidetes; c__Cytophagia;o__Cytophagales; f__Cytophagaceae;g__Sporocytophaga	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Bacteroidetes; c__Flavobacteriia;o__ Flavobacteriales;f__ Flavobacteriaceae;g__Flavobacterium	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Bacteroidetes; c__Sphingobacteriia;o__ Sphingobacteriales;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Bacteroidetes; c__Sphingobacteriia;o__ Sphingobacteriales;f__ Sphingobacteriaceae;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Bacteroidetes; c__Sphingobacteriia;o__ Sphingobacteriales;f__ Sphingobacteriaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	

	k__Bacteria;p__Bacteroidetes;c__[Saprospirae];o__[Saprospirales];f__Chitinophagaceae;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Bacteroidetes;c__[Saprospirae];o__[Saprospirales];f__Chitinophagaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Bacteroidetes;c__[Saprospirae];o__[Saprospirales];f__Chitinophagaceae;g__Flavisolibacter	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Bacteroidetes;c__[Saprospirae];o__[Saprospirales];f__Chitinophagaceae;g__Segetibacter	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chlamydiae;c__Chlamydiia;o__Chlamydiales;f__Parachlamydiaceae;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chlamydiae;c__Chlamydiia;o__Chlamydiales;f__Parachlamydiaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chlamydiae;c__Chlamydiia;o__Chlamydiales;f__Parachlamydiaceae;g__Candidatus Protochlamydia	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chlamydiae;c__Chlamydiia;o__Chlamydiales;f__Parachlamydiaceae;g__Parachlamydia	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chlamydiae;c__Chlamydiia;o__Chlamydiales;f__Rhabdochlamydiaceae;g__Candidatus Rhabdochlamydia	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__Anaerolineae;o__H39;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__C0119;o__;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__Chloroflexi;o__AKIW781;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__Chloroflexi;o__[Roseiflexales];f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__Ellin6529;o__;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__Gitt-GS-136;o__;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__Ktedonobacteria;o__Ktedonobacterales;f__Ktedonobacteraceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__Ktedonobacteria;o__TK10;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__Ktedonobacteria;o__Thermogemmatisporales;f__Thermogemmatisporaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

	S085;o__;f__;g__																		
	k__Bacteria;p__Chloroflexi;c__TK10;o__AKYG885;f__Dolo_23;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__TK10;o__B07_WMSP1;f__FFCH4570;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__TK17;o__;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__Thermomicrobia;o__AKYG1722;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__Thermomicrobia;o__JG30-KF-CM45;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Chloroflexi;c__Thermomicrobia;o__Sphaerobacterales;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Cyanobacteria;c__4C0d-2;o__SM1D11;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Cyanobacteria;c__4C0d-2;o__YS2;f__;g__	0.0%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Cyanobacteria;c__Chloroplast;o__Chlorophyta;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Cyanobacteria;c__ML635J-21;o__;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Cyanobacteria;c__Oscillatoriophycideae;o__Oscillatoriales;f__Phormidiaceae;g__Phormidium	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Cyanobacteria;c__Synechococcophycideae;o__Pseudanabaenales;f__Pseudanabaenaceae;g__Leptolyngbya	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Deferribacteres;c__Deferribacteres;o__Deferribacterales;f__Deferribacteraceae;g__Mucispirillum	0.2%	3.0%	3.5%	2.6%	3.1%	3.8%	0.1%	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Elusimicrobia;c__Elusimicrobia;o__FAC88;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Fibrobacteres;c__Fibrobacteria;o__258ds10;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;Other;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Alicyclobacillaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Alicyclobacillaceae;g__Alicyclobacillus	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Bacillaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

	k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Bacillaceae;g__Bacillus	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Bacillaceae;g__Geobacillus	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Paenibacillaceae;g__Brevibacillus	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Paenibacillaceae;g__Cohnella	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Paenibacillaceae;g__Paenibacillus	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Planococcaceae;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Planococcaceae;g__Paenisporosarcina	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Planococcaceae;g__Planococcus	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Planococcaceae;g__Sporosarcina	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Staphylococcaceae;g__Staphylococcus	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Thermoactinomycetaceae;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Thermoactinomycetaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Bacillales;f__Thermoactinomycetaceae;g__Shimazuella	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;Other;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Enterococcaceae;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Enterococcaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Enterococcaceae;g__Enterococcus	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	0.5%	0.4%	0.5%	0.4%	0.1%	0.1%	
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Lactobacillaceae;g__Lactobacillus	0.6%	2.0%	1.2%	1.4%	1.3%	2.2%	3.2%	2.5%	2.8%	3.3%	2.4%	2.4%	1.9%	2.0%	2.0%	1.8%	1.3%	1.0%	

	k__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Lactobacillaceae;g__Pediococcus	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Lactobacillales;f__Streptococcaceae;g__Streptococcus	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Bacilli;o__Turicibacterales;f__Turicibacteraceae;g__Turicibacter	0.0%	0.1%	0.1%	0.0%	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;Other;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__;g__	0.8%	14.9%	12.9%	13.0%	12.7%	13.4%	4.4%	3.6%	3.6%	3.5%	3.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Clostridiaceae;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Clostridiaceae;g__	1.5%	1.5%	1.2%	0.9%	0.9%	1.4%	1.5%	1.4%	1.4%	1.5%	1.4%	2.9%	2.9%	3.3%	3.3%	2.3%	1.5%	1.7%
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Clostridiaceae;g__02d06	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Clostridiaceae;g__Caloramator	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Clostridiaceae;g__Clostridium	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.3%	0.3%	0.3%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Clostridiaceae;g__SMB53	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Dehalobacteriaceae;g__Dehalobacterium	0.0%	0.5%	0.4%	0.4%	0.4%	0.3%	0.2%	0.2%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Lachnospiraceae;Other	0.0%	0.4%	0.3%	0.3%	0.4%	0.4%	0.1%	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Lachnospiraceae;g__	2.0%	5.0%	4.3%	3.9%	4.1%	5.2%	0.9%	0.9%	0.7%	0.8%	0.7%	1.8%	1.5%	1.5%	1.6%	1.6%	1.1%	1.2%
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Lachnospiraceae;g__Coprococcus	0.0%	0.5%	0.4%	0.4%	0.4%	0.4%	0.1%	0.2%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Lachnospiraceae;g__Dorea	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Lachnospiraceae;g__Roseburia	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Lachnospiraceae;g__[Ruminococcus]	0.0%	0.6%	0.4%	0.4%	0.4%	0.5%	0.1%	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Peptococcaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Peptococcaceae;g__rc4-4	0.0%	0.3%	0.2%	0.2%	0.2%	0.3%	0.1%	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Peptostreptococcaceae;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Peptostreptococcaceae;g__	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.8%	0.7%	0.7%	0.8%	0.7%	0.3%	0.2%
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Peptostreptococcaceae;g__[Clostridium]	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Ruminococcaceae;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Ruminococcaceae;g__	0.2%	3.4%	3.1%	3.2%	3.3%	3.3%	0.6%	0.5%	0.4%	0.4%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Ruminococcaceae;g__Anaerotruncus	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Ruminococcaceae;g__Oscillospira	0.2%	2.7%	2.1%	2.2%	2.4%	2.4%	0.9%	0.8%	0.8%	0.7%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Ruminococcaceae;g__Ruminococcus	0.0%	0.8%	0.9%	0.8%	0.8%	0.7%	0.2%	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__Symbiobacteriaceae;g__Symbiobacterium	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Clostridia;o__Clostridiales;f__[Mogibacteriaceae];g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Clostridia;o__OPB54;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Erysipelotrichi;o__Erysipelotrichales;f__Erysipelotrichaceae;g__	0.0%	0.1%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Firmicutes;c__Erysipelotrichi;o__Erysipelotrichales;f__Erysipelotrichaceae;g__Coprobacillus	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Gemmatimonadetes;c__Gemm-1;o__;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Gemmatimonadetes;c__Gemm-2;o__;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Gemmatimonadetes;c__Gemm-3;o__;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Gemmatimonadetes;c__Gemm-5;o__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

	;f__;g__																		
	k__Bacteria;p__ Gemmatimonadetes;c__ Gemmatimonadetes;o__Ellin5290; f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__ Gemmatimonadetes;c__ Gemmatimonadetes;o__ Gemmatimonadales;f__Ellin5301;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__ Gemmatimonadetes;c__ Gemmatimonadetes;o__N1423WL;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Nitrospirae;c__ Nitrospira;o__Nitrospirales;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Nitrospirae;c__ Nitrospira;o__Nitrospirales;f__0319-6A21;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__OP3;c__koll11; o__;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Planctomycetes; c__Phycisphaerae;o__WD2101;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Planctomycetes; c__Planctomycetia;o__ Gemmatales;f__Gemmataceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Planctomycetes; c__Planctomycetia;o__ Gemmatales;f__Gemmataceae;g__ Gemmata	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Planctomycetes; c__Planctomycetia;o__ Gemmatales;f__Isosphaeraceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Planctomycetes; c__Planctomycetia;o__ Gemmatales;f__Isosphaeraceae;g __Nostocoida	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Planctomycetes; c__Planctomycetia;o__ Pirellulales;f__Pirellulaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Planctomycetes; c__Planctomycetia;o__ Pirellulales;f__Pirellulaceae;g__A17	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Planctomycetes; c__Planctomycetia;o__ Pirellulales;f__Pirellulaceae; g__Pirellula	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Planctomycetes; c__Planctomycetia;o__ Planctomycetales;f__ Planctomycetaceae;g__Planctomyces	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Planctomycetes; c__vadinHA49;o__DH61;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Planctomycetes; c__vadinHA49;o__p04_C01;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; Other;Other;Other;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

	k__Bacteria;p__Proteobacteria; c__;o__;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Caulobacterales;f__ Caulobacteraceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Caulobacterales;f__ Caulobacteraceae;g__Mycoplana	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Caulobacterales;f__ Caulobacteraceae;g__Phenylobacterium	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Ellin329;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Rhizobiales;Other;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Rhizobiales;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Rhizobiales;f__Beijerinckiaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Rhizobiales;f__ Bradyrhizobiaceae;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Rhizobiales;f__Bradyrhizobiaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Rhizobiales;f__Bradyrhizobiaceae;g__ Balneimonas	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Rhizobiales;f__ Bradyrhizobiaceae;g__Bosea	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Rhizobiales;f__Bradyrhizobiaceae;g__ Bradyrhizobium	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Rhizobiales;f__ Hyphomicrobiaceae;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Rhizobiales;f__ Hyphomicrobiaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Rhizobiales;f__ Hyphomicrobiaceae;g__Devosia	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

	k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhizobiales;f__Hyphomicrobiaceae;g__Hyphomicrobium	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhizobiales;f__Hyphomicrobiaceae;g__Pedomicrobium	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhizobiales;f__Hyphomicrobiaceae;g__Rhodoplanes	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhizobiales;f__Methylobacteriaceae;g__Methylobacterium	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhizobiales;f__Methylocystaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhizobiales;f__Phyllobacteriaceae;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhizobiales;f__Phyllobacteriaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhizobiales;f__Phyllobacteriaceae;g__Mesorhizobium	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhizobiales;f__Phyllobacteriaceae;g__Phyllobacterium	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhizobiales;f__Rhizobiaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhizobiales;f__Rhizobiaceae;g__Agrobacterium	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhizobiales;f__Xanthobacteraceae;g__Labrys	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhodospirillales;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__Rhodospirillales;f__Acetobacteraceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Alphaproteobacteria;o__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

	Rhodospirillales;f__ Rhodospirillaceae;g__																		
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Rhodospirillales;f__ Rhodospirillaceae;g__Skermanella	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Rickettsiales;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Sphingomonadales;f__ Sphingomonadaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Sphingomonadales;f__ Sphingomonadaceae;g__Kaistobacter	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Sphingomonadales;f__ Sphingomonadaceae;g__ Novosphingobium	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Alphaproteobacteria;o__ Sphingomonadales;f__ Sphingomonadaceae;g__Sphingomonas	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Betaproteobacteria;Other; Other;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Betaproteobacteria;o__;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Betaproteobacteria;o__ Burkholderiales;Other;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Betaproteobacteria;o__ Burkholderiales;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Betaproteobacteria;o__ Burkholderiales;f__ Alcaligenaceae;g__Sutterella	1.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.6%	1.2%	1.2%	1.1%	1.3%	1.8%	1.2%
	k__Bacteria;p__Proteobacteria; c__Betaproteobacteria;o__ Burkholderiales;f__ Burkholderiaceae;g__Burkholderia	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Betaproteobacteria;o__ Burkholderiales;f__ Comamonadaceae;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Betaproteobacteria;o__ Burkholderiales;f__ Comamonadaceae;g__Ramlibacter	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria; c__Betaproteobacteria;o__ Burkholderiales;f__ Comamonadaceae;g__Tepidimonas	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

	k__Bacteria;p__Proteobacteria;c__Betaproteobacteria;o__Burkholderiales;f__Oxalobacteraceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Betaproteobacteria;o__Burkholderiales;f__Oxalobacteraceae;g__Janthinobacterium	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Betaproteobacteria;o__Ellin6067;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Betaproteobacteria;o__IS-44;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Betaproteobacteria;o__MND1;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Betaproteobacteria;o__SC-I-84;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Deltaproteobacteria;o__;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Deltaproteobacteria;o__Bdellovibrionales;f__Bdellovibrionaceae;g__Bdellovibrio	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Deltaproteobacteria;o__Desulfovibrionales;f__Desulfovibrionaceae;g__Bilophila	4.8%	3.1%	3.3%	3.4%	3.5%	3.1%	4.3%	3.9%	3.4%	4.0%	3.0%	6.5%	5.0%	5.0%	5.2%	4.9%	3.1%	2.3%
	k__Bacteria;p__Proteobacteria;c__Deltaproteobacteria;o__Desulfuromonadales;f__Geobacteraceae;g__Geobacter	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Deltaproteobacteria;o__MIZ46;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Deltaproteobacteria;o__Myxococcales;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Deltaproteobacteria;o__Myxococcales;f__0319-6G20;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Deltaproteobacteria;o__Myxococcales;f__Haliangiaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Deltaproteobacteria;o__Myxococcales;f__Myxococcaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Deltaproteobacteria;o__Myxococcales;f__Myxococcaceae;g__Anaeromyxobacter	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Deltaproteobacteria;o__Myxococcales;f__OM27;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

	k__Bacteria;p__Proteobacteria;c__Deltaproteobacteria;o__Myxococcales;f__Polyangiaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Deltaproteobacteria;o__Spirobacillales;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Deltaproteobacteria;o__Syntrophobacterales;f__Syntrophobacteraceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Deltaproteobacteria;o__[Entotheonellales];f__[Entotheonellaceae];g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacteriales;f__Enterobacteriaceae;Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacteriales;f__Enterobacteriaceae;g__	18.3%	0.0%	0.0%	0.0%	0.0%	0.0%	1.6%	1.5%	1.5%	1.5%	1.3%	30.2%	27.4%	24.6%	24.9%	25.1%	21.4%	16.7%
	k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacteriales;f__Enterobacteriaceae;g__Escherichia	2.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.2%	0.2%	0.2%	0.1%	3.4%	3.0%	2.8%	2.8%	2.9%	2.6%	2.0%
	k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacteriales;f__Enterobacteriaceae;g__Proteus	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%
	k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Enterobacteriales;f__Enterobacteriaceae;g__Serratia	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Legionellales;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Legionellales;f__Coxiellaceae;g__Aquicella	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Legionellales;f__Legionellaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Legionellales;f__Legionellaceae;g__Tatlockia	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Pseudomonadales;f__Pseudomonadaceae;g__Pseudomonas	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;c__Gammaproteobacteria;o__Xanthomonadales;f__Sinobacteraceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Proteobacteria;	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

	c__Gammaproteobacteria;o__ Xanthomonadales;f__ Sinobacteraceae;g__Steroidobacter																			
	k__Bacteria;p__Proteobacteria; c__Gammaproteobacteria;o__ Xanthomonadales;f__ Xanthomonadaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Proteobacteria; c__Gammaproteobacteria;o__ Xanthomonadales;f__ Xanthomonadaceae;g__Dokdonella	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Proteobacteria; c__Gammaproteobacteria;o__ Xanthomonadales;f__ Xanthomonadaceae;g__ Stenotrophomonas	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__TM6;c__SJA-4;o_ _;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Tenericutes;c__ Mollicutes;o__Anaeroplasmatales;f__ Anaeroplasmataceae;g__ Asteroleplasma	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Tenericutes;c__ Mollicutes;o__RF39;f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__ Verrucomicrobia;c__Opitutae;o_ _Opitutales;f__Opitutaceae;g__ Opitutus	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Verrucomicrobia;c__ Verrucomicrobiae;o__ Verrucomicrobiales;f__ Verrucomicrobiaceae;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Verrucomicrobia;c__ Verrucomicrobiae;o__ Verrucomicrobiales;f__ Verrucomicrobiaceae;g__Akkermansia	36.3%	8.6%	10.8%	13.3%	12.1%	11.6%	30.1%	35.6%	35.3%	30.7%	37.3%	18.0%	21.8%	19.9%	20.4%	24.9%	22.0%	25.4%	2
	k__Bacteria;p__Verrucomicrobia;c__[Pedosphaerae];o__[Pedosphaerales];f__;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Verrucomicrobia;c__[Pedosphaerae];o__[Pedosphaerales];f__Ellin515;g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Verrucomicrobia;c__[Spartobacteria];o__[Chthoniobacterales];f__[Chthoniobacteraceae];g__	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Verrucomicrobia;c__[Spartobacteria];o__[Chthoniobacterales];f__[Chthoniobacteraceae];g__ Candidatus Xiphinematobacter	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Verrucomicrobia;c__[Spartobacteria];o__[Chthoniobacterales];f__[Chthoniobacteraceae];g__ Chthoniobacter	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
	k__Bacteria;p__Verrucomicrobia;c__[	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	

	Spartobacteria];o__[Chthoniobacterales];f__[Chthoniobacteraceae];g__DA101																		
	k__Bacteria;p__Verrucomicrobia;c__[Spartobacteria];o__[Chthoniobacterales];f__[Chthoniobacteraceae];g__Ellin506	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__Verrucomicrobia;c__[Spartobacteria];o__[Chthoniobacterales];f__[Chthoniobacteraceae];g__OR-59	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	k__Bacteria;p__[Thermi];c__ Deinococci;o__Deinococcales;f_ _Deinococcaceae;g__Deinococcus	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Select a Metric: observed_otus **Select a Category:** SampleID

Show Categories: All

Legend

- 3A.fasta
- 3B.fasta
- 3C.fasta
- 3D.fasta
- 3E.fasta
- 5A.fasta
- 5B.fasta
- 5C.fasta
- 5D.fasta
- 5E.fasta
- 1151.fasta
- 1152.fasta
- 1153.fasta
- 1154.fasta
- 1155.fasta

If the lines for some categories do not extend all the way to the right end of the x-axis, that means that at least one of the samples in that category does not have that many sequences.

SampleID	Seqs/Sample	PD_whole_tree Ave.	PD_whole_tree Err.	chao1 Ave.	chao1 Err.	observed_otus Ave.	observed_otus Err.
3A.fasta	10.0	2.033	nan	26.450	nan	8.600	nan
3A.fasta	3306.0	20.878	nan	846.476	nan	408.000	nan
3A.fasta	6602.0	26.678	nan	1165.569	nan	580.300	nan
3A.fasta	9898.0	30.640	nan	1314.243	nan	712.200	nan
3A.fasta	13194.0	34.034	nan	1504.088	nan	823.900	nan
3A.fasta	16490.0	36.827	nan	1619.734	nan	918.300	nan
3A.fasta	19786.0	39.096	nan	1703.135	nan	1000.000	nan
3A.fasta	23082.0	40.960	nan	1774.973	nan	1080.200	nan
3A.fasta	26378.0	42.876	nan	1803.775	nan	1144.400	nan
3A.fasta	29674.0	44.417	nan	1914.442	nan	1205.500	nan
3A.fasta	32970.0	46.030	nan	1911.746	nan	1259.000	nan
3B.fasta	10.0	2.177	nan	40.200	nan	9.300	nan
3B.fasta	3306.0	19.364	nan	682.202	nan	371.400	nan
3B.fasta	6602.0	24.122	nan	971.398	nan	519.100	nan
3B.fasta	9898.0	27.641	nan	1155.251	nan	630.300	nan
3B.fasta	13194.0	30.423	nan	1272.224	nan	721.900	nan
3B.fasta	16490.0	32.878	nan	1475.284	nan	806.100	nan
3B.fasta	19786.0	35.250	nan	1556.684	nan	878.300	nan
3B.fasta	23082.0	37.014	nan	1532.943	nan	939.800	nan
3B.fasta	26378.0	38.591	nan	1611.888	nan	997.700	nan
3B.fasta	29674.0	40.100	nan	1695.757	nan	1051.600	nan
3B.fasta	32970.0	41.520	nan	1718.140	nan	1100.200	nan
3C.fasta	10.0	1.949	nan	35.300	nan	9.100	nan
3C.fasta	3306.0	18.989	nan	705.294	nan	360.100	nan
3C.fasta	6602.0	23.751	nan	929.393	nan	500.700	nan
3C.fasta	9898.0	26.900	nan	1110.575	nan	602.500	nan
3C.fasta	13194.0	30.067	nan	1292.880	nan	699.800	nan
3C.fasta	16490.0	32.114	nan	1359.739	nan	772.400	nan
3C.fasta	19786.0	34.342	nan	1460.920	nan	840.700	nan
3C.fasta	23082.0	36.164	nan	1523.801	nan	905.000	nan
3C.fasta	26378.0	37.798	nan	1609.379	nan	961.700	nan
3C.fasta	29674.0	39.165	nan	1655.797	nan	1019.600	nan
3C.fasta	32970.0	40.409	nan	1687.539	nan	1059.300	nan
3D.fasta	10.0	2.188	nan	32.200	nan	9.100	nan
3D.fasta	3306.0	19.039	nan	706.323	nan	362.600	nan
3D.fasta	6602.0	24.652	nan	967.831	nan	515.200	nan
3D.fasta	9898.0	27.423	nan	1162.613	nan	615.600	nan
3D.fasta	13194.0	30.652	nan	1329.630	nan	724.100	nan
3D.fasta	16490.0	33.106	nan	1459.221	nan	799.900	nan

3D.fasta	19786.0	35.229	nan	1566.600	nan	878.400	nan
3D.fasta	23082.0	37.021	nan	1621.879	nan	940.200	nan
3D.fasta	26378.0	38.665	nan	1664.309	nan	998.400	nan
3D.fasta	29674.0	40.344	nan	1735.748	nan	1059.000	nan
3D.fasta	32970.0	41.467	nan	1699.928	nan	1100.500	nan
3E.fasta	10.0	2.090	nan	28.400	nan	9.100	nan
3E.fasta	3306.0	18.364	nan	616.257	nan	349.300	nan
3E.fasta	6602.0	23.192	nan	889.847	nan	488.500	nan
3E.fasta	9898.0	26.591	nan	1022.700	nan	583.500	nan
3E.fasta	13194.0	29.367	nan	1204.490	nan	672.500	nan
3E.fasta	16490.0	31.366	nan	1310.416	nan	732.600	nan
3E.fasta	19786.0	33.256	nan	1374.726	nan	799.100	nan
3E.fasta	23082.0	35.503	nan	1433.498	nan	865.600	nan
3E.fasta	26378.0	36.580	nan	1470.159	nan	906.500	nan
3E.fasta	29674.0	37.971	nan	1505.514	nan	956.600	nan
3E.fasta	32970.0	39.270	nan	1529.703	nan	1003.600	nan
5A.fasta	10.0	1.985	nan	15.400	nan	7.500	nan
5A.fasta	3306.0	13.483	nan	375.216	nan	199.900	nan
5A.fasta	6602.0	16.953	nan	547.510	nan	294.800	nan
5A.fasta	9898.0	18.941	nan	643.983	nan	355.600	nan
5A.fasta	13194.0	20.701	nan	716.198	nan	407.900	nan
5A.fasta	16490.0	21.734	nan	785.292	nan	446.400	nan
5A.fasta	19786.0	23.207	nan	790.690	nan	478.600	nan
5A.fasta	23082.0	24.485	nan	885.294	nan	526.700	nan
5A.fasta	26378.0	25.362	nan	882.378	nan	551.000	nan
5A.fasta	29674.0	26.027	nan	901.152	nan	571.700	nan
5A.fasta	32970.0	26.852	nan	973.792	nan	607.800	nan
5B.fasta	10.0	1.560	nan	14.850	nan	7.500	nan
5B.fasta	3306.0	12.825	nan	378.721	nan	189.200	nan
5B.fasta	6602.0	15.652	nan	455.314	nan	266.900	nan
5B.fasta	9898.0	17.919	nan	579.462	nan	328.700	nan
5B.fasta	13194.0	19.647	nan	649.444	nan	375.200	nan
5B.fasta	16490.0	20.660	nan	705.671	nan	408.200	nan
5B.fasta	19786.0	21.843	nan	681.701	nan	440.500	nan
5B.fasta	23082.0	23.113	nan	768.997	nan	479.800	nan
5B.fasta	26378.0	23.695	nan	789.339	nan	498.900	nan
5B.fasta	29674.0	24.929	nan	866.103	nan	534.900	nan
5B.fasta	32970.0	25.363	nan	824.513	nan	548.000	nan
5C.fasta	10.0	1.846	nan	13.850	nan	7.200	nan
5C.fasta	3306.0	12.702	nan	366.410	nan	182.700	nan
5C.fasta	6602.0	15.949	nan	485.111	nan	261.200	nan
5C.fasta	9898.0	17.865	nan	562.251	nan	321.200	nan
5C.fasta	13194.0	18.851	nan	613.285	nan	363.900	nan
5C.fasta	16490.0	20.529	nan	647.258	nan	403.100	nan
5C.fasta	19786.0	21.679	nan	734.702	nan	437.500	nan
5C.fasta	23082.0	22.546	nan	771.346	nan	469.500	nan
5C.fasta	26378.0	23.268	nan	827.543	nan	498.200	nan
5C.fasta	29674.0	24.133	nan	837.797	nan	520.900	nan
5C.fasta	32970.0	25.040	nan	874.088	nan	551.800	nan
5D.fasta	10.0	2.011	nan	19.550	nan	7.900	nan
5D.fasta	3306.0	12.042	nan	353.323	nan	180.100	nan
5D.fasta	6602.0	14.892	nan	455.634	nan	255.100	nan
5D.fasta	9898.0	16.665	nan	500.580	nan	302.200	nan
5D.fasta	13194.0	18.324	nan	560.969	nan	345.600	nan
5D.fasta	16490.0	19.562	nan	628.459	nan	386.200	nan
5D.fasta	19786.0	20.619	nan	673.636	nan	423.900	nan
5D.fasta	23082.0	21.235	nan	703.594	nan	440.200	nan
5D.fasta	26378.0	22.169	nan	742.264	nan	466.700	nan
5D.fasta	29674.0	22.747	nan	737.838	nan	488.200	nan
5D.fasta	32970.0	23.873	nan	795.668	nan	510.500	nan
5E.fasta	10.0	2.027	nan	28.000	nan	8.200	nan
5E.fasta	3306.0	12.153	nan	356.445	nan	174.800	nan
5E.fasta	6602.0	15.016	nan	430.200	nan	248.300	nan
5E.fasta	9898.0	16.968	nan	510.111	nan	305.500	nan
5E.fasta	13194.0	18.338	nan	562.071	nan	345.500	nan
5E.fasta	16490.0	19.416	nan	592.930	nan	375.200	nan
5E.fasta	19786.0	20.161	nan	631.109	nan	409.000	nan
5E.fasta	23082.0	21.307	nan	658.744	nan	432.000	nan
5E.fasta	26378.0	21.896	nan	710.669	nan	462.200	nan
5E.fasta	29674.0	22.389	nan	747.136	nan	480.000	nan
5E.fasta	32970.0	23.060	nan	768.978	nan	503.300	nan
1151.fasta	10.0	1.789	nan	17.950	nan	7.300	nan
1151.fasta	3306.0	6.752	nan	147.588	nan	95.600	nan
1151.fasta	6602.0	8.005	nan	199.622	nan	127.600	nan
1151.fasta	9898.0	8.666	nan	235.919	nan	141.300	nan
1151.fasta	13194.0	9.579	nan	280.404	nan	165.600	nan
1151.fasta	16490.0	9.942	nan	289.757	nan	176.300	nan
1151.fasta	19786.0	10.479	nan	304.436	nan	191.300	nan
1151.fasta	23082.0	11.323	nan	371.027	nan	207.900	nan
1151.fasta	26378.0	11.446	nan	350.350	nan	214.000	nan
1151.fasta	29674.0	11.920	nan	400.199	nan	224.900	nan
1151.fasta	32970.0	12.094	nan	375.543	nan	229.900	nan
1152.fasta	10.0	1.620	nan	15.450	nan	7.800	nan
1152.fasta	3306.0	6.452	nan	140.191	nan	90.200	nan

1152.fasta	6602.0	7.563	nan	210.248	nan	119.000	nan
1152.fasta	9898.0	8.328	nan	240.873	nan	138.600	nan
1152.fasta	13194.0	9.045	nan	278.232	nan	159.000	nan
1152.fasta	16490.0	9.611	nan	272.341	nan	171.400	nan
1152.fasta	19786.0	10.131	nan	307.470	nan	186.500	nan
1152.fasta	23082.0	10.231	nan	324.839	nan	199.400	nan
1152.fasta	26378.0	10.922	nan	324.373	nan	210.000	nan
1152.fasta	29674.0	11.320	nan	336.200	nan	222.300	nan
1152.fasta	32970.0	11.547	nan	338.190	nan	228.800	nan
1153.fasta	10.0	1.647	nan	15.450	nan	7.500	nan
1153.fasta	3306.0	6.416	nan	150.440	nan	89.900	nan
1153.fasta	6602.0	8.015	nan	191.130	nan	119.700	nan
1153.fasta	9898.0	8.536	nan	211.604	nan	138.900	nan
1153.fasta	13194.0	9.365	nan	244.052	nan	156.000	nan
1153.fasta	16490.0	9.862	nan	267.050	nan	167.700	nan
1153.fasta	19786.0	10.442	nan	280.921	nan	180.900	nan
1153.fasta	23082.0	10.556	nan	295.616	nan	189.200	nan
1153.fasta	26378.0	11.071	nan	313.846	nan	198.500	nan
1153.fasta	29674.0	11.414	nan	314.440	nan	205.100	nan
1153.fasta	32970.0	11.746	nan	328.291	nan	217.000	nan
1154.fasta	10.0	1.761	nan	13.250	nan	7.000	nan
1154.fasta	3306.0	6.436	nan	154.792	nan	89.900	nan
1154.fasta	6602.0	7.658	nan	182.531	nan	119.700	nan
1154.fasta	9898.0	8.380	nan	258.884	nan	139.600	nan
1154.fasta	13194.0	9.268	nan	283.541	nan	161.300	nan
1154.fasta	16490.0	9.809	nan	285.796	nan	174.400	nan
1154.fasta	19786.0	10.283	nan	328.815	nan	187.200	nan
1154.fasta	23082.0	10.523	nan	311.634	nan	198.100	nan
1154.fasta	26378.0	11.031	nan	326.208	nan	210.600	nan
1154.fasta	29674.0	11.382	nan	344.264	nan	217.600	nan
1154.fasta	32970.0	11.676	nan	356.476	nan	227.600	nan
1155.fasta	10.0	1.737	nan	16.900	nan	8.000	nan
1155.fasta	3306.0	6.280	nan	142.645	nan	88.700	nan
1155.fasta	6602.0	7.637	nan	186.973	nan	118.200	nan
1155.fasta	9898.0	8.740	nan	233.324	nan	141.500	nan
1155.fasta	13194.0	9.230	nan	247.802	nan	155.600	nan
1155.fasta	16490.0	9.667	nan	253.856	nan	164.400	nan
1155.fasta	19786.0	10.356	nan	288.053	nan	181.700	nan
1155.fasta	23082.0	10.627	nan	307.728	nan	191.500	nan
1155.fasta	26378.0	11.116	nan	315.233	nan	200.200	nan
1155.fasta	29674.0	11.333	nan	308.468	nan	209.800	nan
1155.fasta	32970.0	11.659	nan	336.631	nan	216.400	nan
1156.fasta	10.0	1.500	nan	14.250	nan	7.800	nan
1156.fasta	3306.0	6.892	nan	145.848	nan	92.500	nan
1156.fasta	6602.0	8.227	nan	203.142	nan	120.500	nan
1156.fasta	9898.0	8.679	nan	243.692	nan	140.100	nan
1156.fasta	13194.0	9.739	nan	272.825	nan	161.900	nan
1156.fasta	16490.0	10.389	nan	338.973	nan	179.400	nan
1156.fasta	19786.0	10.682	nan	343.254	nan	191.600	nan
1156.fasta	23082.0	11.242	nan	361.042	nan	206.400	nan
1156.fasta	26378.0	11.625	nan	368.398	nan	215.200	nan
1156.fasta	29674.0	11.904	nan	382.257	nan	228.600	nan
1156.fasta	32970.0	12.076	nan	370.209	nan	232.700	nan
1157.fasta	10.0	1.506	nan	13.450	nan	7.500	nan
1157.fasta	3306.0	6.397	nan	141.975	nan	85.300	nan
1157.fasta	6602.0	7.760	nan	182.537	nan	109.300	nan
1157.fasta	9898.0	8.300	nan	212.967	nan	123.500	nan
1157.fasta	13194.0	8.883	nan	243.015	nan	139.700	nan
1157.fasta	16490.0	9.355	nan	267.155	nan	151.800	nan
1157.fasta	19786.0	9.881	nan	279.491	nan	168.200	nan
1157.fasta	23082.0	10.173	nan	286.529	nan	175.100	nan
1157.fasta	26378.0	10.464	nan	295.536	nan	185.000	nan
1157.fasta	29674.0	11.040	nan	335.066	nan	197.200	nan
1157.fasta	32970.0	11.201	nan	316.430	nan	203.600	nan
1158.fasta	10.0	1.486	nan	13.650	nan	7.100	nan
1158.fasta	3306.0	6.847	nan	141.952	nan	89.200	nan
1158.fasta	6602.0	8.128	nan	187.624	nan	114.100	nan
1158.fasta	9898.0	9.287	nan	245.447	nan	134.700	nan
1158.fasta	13194.0	9.602	nan	247.393	nan	149.500	nan
1158.fasta	16490.0	10.510	nan	318.380	nan	168.000	nan
1158.fasta	19786.0	11.079	nan	305.364	nan	177.800	nan
1158.fasta	23082.0	11.211	nan	305.682	nan	184.800	nan
1158.fasta	26378.0	11.751	nan	323.240	nan	195.900	nan
1158.fasta	29674.0	12.410	nan	337.149	nan	210.200	nan
1158.fasta	32970.0	12.538	nan	367.279	nan	218.600	nan
1159.fasta	10.0	1.549	nan	15.750	nan	7.300	nan
1159.fasta	3306.0	6.307	nan	116.648	nan	83.900	nan
1159.fasta	6602.0	7.698	nan	170.977	nan	109.700	nan
1159.fasta	9898.0	8.533	nan	194.924	nan	128.300	nan
1159.fasta	13194.0	9.325	nan	219.525	nan	145.500	nan
1159.fasta	16490.0	9.950	nan	258.473	nan	159.900	nan
1159.fasta	19786.0	10.145	nan	263.001	nan	168.700	nan
1159.fasta	23082.0	10.634	nan	287.430	nan	180.600	nan
1159.fasta	26378.0	11.027	nan	279.227	nan	188.500	nan

1159.fasta	29674.0	11.118	nan	294.069	nan	195.700	nan
1159.fasta	32970.0	11.389	nan	294.190	nan	203.100	nan
1160.fasta	10.0	1.638	nan	16.833	nan	7.700	nan
1160.fasta	3306.0	6.855	nan	152.513	nan	88.800	nan
1160.fasta	6602.0	7.930	nan	179.150	nan	114.900	nan
1160.fasta	9898.0	8.662	nan	217.953	nan	133.900	nan
1160.fasta	13194.0	9.436	nan	261.460	nan	150.400	nan
1160.fasta	16490.0	10.130	nan	264.740	nan	165.200	nan
1160.fasta	19786.0	10.515	nan	282.344	nan	175.700	nan
1160.fasta	23082.0	10.821	nan	310.679	nan	185.000	nan
1160.fasta	26378.0	11.152	nan	312.689	nan	194.800	nan
1160.fasta	29674.0	11.555	nan	319.148	nan	207.100	nan
1160.fasta	32970.0	12.067	nan	327.175	nan	218.600	nan
1161.fasta	10.0	1.629	nan	16.100	nan	7.700	nan
1161.fasta	3306.0	10.122	nan	231.643	nan	111.600	nan
1161.fasta	6602.0	13.891	nan	388.917	nan	164.900	nan
1161.fasta	9898.0	16.723	nan	495.475	nan	201.200	nan
1161.fasta	13194.0	18.470	nan	520.912	nan	235.300	nan
1161.fasta	16490.0	20.290	nan	617.991	nan	268.500	nan
1161.fasta	19786.0	22.359	nan	670.667	nan	297.100	nan
1161.fasta	23082.0	23.666	nan	748.830	nan	325.600	nan
1161.fasta	26378.0	24.597	nan	713.335	nan	346.100	nan
1161.fasta	29674.0	26.057	nan	761.377	nan	371.100	nan
1161.fasta	32970.0	26.294	nan	755.619	nan	387.500	nan
1162.fasta	10.0	1.581	nan	21.150	nan	7.800	nan
1162.fasta	3306.0	9.400	nan	218.602	nan	104.900	nan
1162.fasta	6602.0	12.898	nan	284.859	nan	149.000	nan
1162.fasta	9898.0	14.621	nan	381.012	nan	178.700	nan
1162.fasta	13194.0	17.369	nan	499.575	nan	214.100	nan
1162.fasta	16490.0	17.684	nan	550.499	nan	229.800	nan
1162.fasta	19786.0	20.178	nan	651.456	nan	257.600	nan
1162.fasta	23082.0	21.173	nan	639.456	nan	283.500	nan
1162.fasta	26378.0	22.064	nan	677.739	nan	302.800	nan
1162.fasta	29674.0	23.742	nan	735.698	nan	325.800	nan
1162.fasta	32970.0	24.508	nan	765.695	nan	340.000	nan
1163.fasta	10.0	1.569	nan	18.370	nan	7.300	nan
1163.fasta	3306.0	7.932	nan	206.063	nan	98.700	nan
1163.fasta	6602.0	11.054	nan	269.833	nan	135.000	nan
1163.fasta	9898.0	13.233	nan	364.871	nan	166.800	nan
1163.fasta	13194.0	14.216	nan	404.158	nan	186.500	nan
1163.fasta	16490.0	16.099	nan	470.725	nan	211.000	nan
1163.fasta	19786.0	17.208	nan	493.503	nan	233.300	nan
1163.fasta	23082.0	18.367	nan	568.672	nan	250.300	nan
1163.fasta	26378.0	19.376	nan	557.426	nan	269.400	nan
1163.fasta	29674.0	20.357	nan	627.687	nan	286.600	nan
1163.fasta	32970.0	21.339	nan	607.251	nan	304.300	nan
1164.fasta	10.0	1.602	nan	16.583	nan	7.700	nan
1164.fasta	3306.0	9.318	nan	230.100	nan	103.300	nan
1164.fasta	6602.0	12.608	nan	303.304	nan	147.800	nan
1164.fasta	9898.0	15.269	nan	473.321	nan	184.100	nan
1164.fasta	13194.0	17.226	nan	470.124	nan	205.500	nan
1164.fasta	16490.0	19.540	nan	625.098	nan	244.900	nan
1164.fasta	19786.0	20.104	nan	615.779	nan	258.500	nan
1164.fasta	23082.0	21.676	nan	631.787	nan	285.600	nan
1164.fasta	26378.0	23.023	nan	745.088	nan	306.700	nan
1164.fasta	29674.0	24.295	nan	708.155	nan	326.000	nan
1164.fasta	32970.0	24.733	nan	816.696	nan	343.400	nan
1165.fasta	10.0	1.522	nan	19.550	nan	7.900	nan
1165.fasta	3306.0	9.250	nan	199.500	nan	103.100	nan
1165.fasta	6602.0	12.305	nan	291.712	nan	141.100	nan
1165.fasta	9898.0	14.714	nan	403.031	nan	175.400	nan
1165.fasta	13194.0	16.778	nan	422.358	nan	206.900	nan
1165.fasta	16490.0	18.743	nan	510.581	nan	228.700	nan
1165.fasta	19786.0	19.338	nan	499.442	nan	245.000	nan
1165.fasta	23082.0	20.888	nan	552.850	nan	269.300	nan
1165.fasta	26378.0	22.290	nan	602.779	nan	290.300	nan
1165.fasta	29674.0	22.758	nan	585.530	nan	302.800	nan
1165.fasta	32970.0	23.304	nan	604.714	nan	319.100	nan
1166.fasta	10.0	1.695	nan	26.400	nan	8.600	nan
1166.fasta	3306.0	7.504	nan	192.750	nan	106.800	nan
1166.fasta	6602.0	9.252	nan	282.837	nan	146.400	nan
1166.fasta	9898.0	10.192	nan	315.051	nan	173.700	nan
1166.fasta	13194.0	11.283	nan	353.543	nan	200.800	nan
1166.fasta	16490.0	12.049	nan	418.368	nan	223.200	nan
1166.fasta	19786.0	12.461	nan	410.090	nan	233.600	nan
1166.fasta	23082.0	13.077	nan	437.055	nan	251.000	nan
1166.fasta	26378.0	13.514	nan	463.889	nan	267.400	nan
1166.fasta	29674.0	14.147	nan	485.691	nan	282.500	nan
1166.fasta	32970.0	14.567	nan	517.680	nan	297.400	nan
1167.fasta	10.0	1.561	nan	13.000	nan	7.500	nan
1167.fasta	3306.0	6.504	nan	151.707	nan	91.900	nan
1167.fasta	6602.0	7.756	nan	202.479	nan	118.800	nan
1167.fasta	9898.0	8.606	nan	245.267	nan	143.300	nan
1167.fasta	13194.0	9.360	nan	269.094	nan	160.100	nan

1167.fasta	16490.0	9.968	nan	299.328	nan	176.900	nan
1167.fasta	19786.0	10.812	nan	334.216	nan	195.200	nan
1167.fasta	23082.0	11.177	nan	332.231	nan	203.500	nan
1167.fasta	26378.0	11.717	nan	364.177	nan	217.800	nan
1167.fasta	29674.0	11.854	nan	413.901	nan	228.800	nan
1167.fasta	32970.0	12.414	nan	408.911	nan	238.500	nan
1168.fasta	10.0	1.660	nan	15.150	nan	7.500	nan
1168.fasta	3306.0	7.008	nan	170.268	nan	97.600	nan
1168.fasta	6602.0	8.668	nan	255.527	nan	136.900	nan
1168.fasta	9898.0	9.878	nan	306.199	nan	161.800	nan
1168.fasta	13194.0	10.389	nan	290.857	nan	180.500	nan
1168.fasta	16490.0	11.280	nan	367.129	nan	201.600	nan
1168.fasta	19786.0	11.926	nan	408.919	nan	220.300	nan
1168.fasta	23082.0	12.243	nan	411.134	nan	229.300	nan
1168.fasta	26378.0	12.971	nan	444.458	nan	247.500	nan
1168.fasta	29674.0	13.373	nan	441.022	nan	257.600	nan
1168.fasta	32970.0	13.777	nan	477.640	nan	270.900	nan
1169.fasta	10.0	1.621	nan	14.933	nan	7.300	nan
1169.fasta	3306.0	7.004	nan	159.433	nan	97.800	nan
1169.fasta	6602.0	8.173	nan	229.153	nan	127.800	nan
1169.fasta	9898.0	8.774	nan	267.292	nan	142.200	nan
1169.fasta	13194.0	9.443	nan	317.062	nan	166.700	nan
1169.fasta	16490.0	10.083	nan	315.857	nan	178.100	nan
1169.fasta	19786.0	10.670	nan	332.253	nan	198.600	nan
1169.fasta	23082.0	11.094	nan	359.248	nan	210.200	nan
1169.fasta	26378.0	11.388	nan	374.333	nan	224.500	nan
1169.fasta	29674.0	11.845	nan	401.513	nan	235.500	nan
1169.fasta	32970.0	12.205	nan	422.385	nan	249.500	nan
1170.fasta	10.0	1.662	nan	21.000	nan	7.900	nan
1170.fasta	3306.0	6.882	nan	150.538	nan	92.900	nan
1170.fasta	6602.0	8.573	nan	219.497	nan	126.100	nan
1170.fasta	9898.0	9.120	nan	249.967	nan	144.900	nan
1170.fasta	13194.0	10.103	nan	296.724	nan	165.500	nan
1170.fasta	16490.0	10.142	nan	305.503	nan	178.300	nan
1170.fasta	19786.0	11.247	nan	352.607	nan	198.400	nan
1170.fasta	23082.0	11.461	nan	337.928	nan	209.400	nan
1170.fasta	26378.0	12.182	nan	389.620	nan	226.600	nan
1170.fasta	29674.0	12.395	nan	385.475	nan	233.400	nan
1170.fasta	32970.0	12.818	nan	396.242	nan	241.900	nan
1171.fasta	10.0	1.727	nan	10.450	nan	6.900	nan
1171.fasta	3306.0	7.575	nan	189.955	nan	110.900	nan
1171.fasta	6602.0	9.140	nan	271.803	nan	152.000	nan
1171.fasta	9898.0	10.170	nan	317.537	nan	176.900	nan
1171.fasta	13194.0	10.999	nan	332.141	nan	198.500	nan
1171.fasta	16490.0	11.722	nan	391.641	nan	220.500	nan
1171.fasta	19786.0	12.466	nan	430.474	nan	239.300	nan
1171.fasta	23082.0	12.705	nan	433.043	nan	252.400	nan
1171.fasta	26378.0	13.423	nan	468.945	nan	268.500	nan
1171.fasta	29674.0	13.677	nan	477.525	nan	278.000	nan
1171.fasta	32970.0	14.162	nan	468.927	nan	295.700	nan
1172.fasta	10.0	1.922	nan	14.500	nan	7.400	nan
1172.fasta	3306.0	7.327	nan	180.066	nan	107.100	nan
1172.fasta	6602.0	8.542	nan	269.701	nan	140.100	nan
1172.fasta	9898.0	9.824	nan	287.381	nan	165.300	nan
1172.fasta	13194.0	10.564	nan	332.183	nan	186.500	nan
1172.fasta	16490.0	11.141	nan	361.000	nan	210.400	nan
1172.fasta	19786.0	11.863	nan	410.101	nan	227.700	nan
1172.fasta	23082.0	12.097	nan	386.232	nan	240.900	nan
1172.fasta	26378.0	12.778	nan	431.597	nan	253.800	nan
1172.fasta	29674.0	13.186	nan	416.449	nan	269.600	nan
1172.fasta	32970.0	13.392	nan	425.824	nan	278.600	nan
1173.fasta	10.0	1.788	nan	15.300	nan	7.600	nan
1173.fasta	3306.0	7.093	nan	170.237	nan	100.500	nan
1173.fasta	6602.0	8.192	nan	224.077	nan	130.100	nan
1173.fasta	9898.0	9.398	nan	276.179	nan	154.100	nan
1173.fasta	13194.0	10.073	nan	308.664	nan	175.900	nan
1173.fasta	16490.0	10.689	nan	314.006	nan	188.200	nan
1173.fasta	19786.0	10.983	nan	329.772	nan	202.400	nan
1173.fasta	23082.0	11.607	nan	378.433	nan	217.700	nan
1173.fasta	26378.0	12.502	nan	368.717	nan	230.600	nan
1173.fasta	29674.0	12.540	nan	408.943	nan	239.300	nan
1173.fasta	32970.0	12.962	nan	435.475	nan	254.000	nan
1174.fasta	10.0	1.663	nan	23.000	nan	7.700	nan
1174.fasta	3306.0	7.230	nan	156.038	nan	99.000	nan
1174.fasta	6602.0	8.540	nan	222.613	nan	133.200	nan
1174.fasta	9898.0	9.409	nan	261.607	nan	153.700	nan
1174.fasta	13194.0	10.572	nan	309.188	nan	179.200	nan
1174.fasta	16490.0	11.043	nan	333.344	nan	193.900	nan
1174.fasta	19786.0	11.445	nan	343.309	nan	203.800	nan
1174.fasta	23082.0	12.144	nan	355.782	nan	221.400	nan
1174.fasta	26378.0	12.360	nan	366.367	nan	230.100	nan
1174.fasta	29674.0	12.872	nan	394.296	nan	246.100	nan
1174.fasta	32970.0	13.073	nan	409.835	nan	255.700	nan
1175.fasta	10.0	1.648	nan	16.200	nan	7.500	nan

1175.fasta	3306.0	7.300	nan	177.345	nan	104.500	nan
1175.fasta	6602.0	8.605	nan	244.775	nan	136.900	nan
1175.fasta	9898.0	9.458	nan	277.479	nan	161.100	nan
1175.fasta	13194.0	10.301	nan	307.464	nan	181.300	nan
1175.fasta	16490.0	10.911	nan	335.513	nan	200.000	nan
1175.fasta	19786.0	11.431	nan	393.825	nan	218.300	nan
1175.fasta	23082.0	11.915	nan	373.588	nan	230.100	nan
1175.fasta	26378.0	12.630	nan	417.995	nan	244.800	nan
1175.fasta	29674.0	12.885	nan	433.550	nan	253.700	nan
1175.fasta	32970.0	13.081	nan	445.221	nan	267.300	nan
1351.fasta	10.0	1.553	nan	10.970	nan	7.000	nan
1351.fasta	3306.0	5.935	nan	123.835	nan	73.200	nan
1351.fasta	6602.0	6.872	nan	140.328	nan	96.500	nan
1351.fasta	9898.0	7.784	nan	167.080	nan	116.200	nan
1351.fasta	13194.0	8.280	nan	209.849	nan	132.300	nan
1351.fasta	16490.0	8.603	nan	222.222	nan	141.300	nan
1351.fasta	19786.0	8.920	nan	233.842	nan	155.100	nan
1351.fasta	23082.0	9.176	nan	241.001	nan	159.700	nan
1351.fasta	26378.0	9.495	nan	254.581	nan	168.600	nan
1351.fasta	29674.0	9.589	nan	253.260	nan	174.200	nan
1351.fasta	32970.0	9.925	nan	275.999	nan	183.400	nan
1352.fasta	10.0	1.516	nan	11.650	nan	7.000	nan
1352.fasta	3306.0	5.924	nan	109.818	nan	74.700	nan
1352.fasta	6602.0	7.223	nan	159.300	nan	100.900	nan
1352.fasta	9898.0	7.851	nan	182.334	nan	115.700	nan
1352.fasta	13194.0	8.563	nan	195.422	nan	132.400	nan
1352.fasta	16490.0	8.833	nan	224.204	nan	143.500	nan
1352.fasta	19786.0	9.361	nan	224.507	nan	151.500	nan
1352.fasta	23082.0	9.861	nan	254.210	nan	162.900	nan
1352.fasta	26378.0	9.967	nan	252.583	nan	167.900	nan
1352.fasta	29674.0	10.287	nan	273.123	nan	176.200	nan
1352.fasta	32970.0	10.343	nan	256.420	nan	180.400	nan
1353.fasta	10.0	1.298	nan	10.370	nan	6.300	nan
1353.fasta	3306.0	5.711	nan	104.387	nan	70.400	nan
1353.fasta	6602.0	6.813	nan	161.371	nan	93.600	nan
1353.fasta	9898.0	7.478	nan	173.446	nan	111.900	nan
1353.fasta	13194.0	7.791	nan	191.723	nan	123.700	nan
1353.fasta	16490.0	8.372	nan	224.090	nan	137.500	nan
1353.fasta	19786.0	8.888	nan	233.515	nan	148.000	nan
1353.fasta	23082.0	9.249	nan	248.813	nan	162.500	nan
1353.fasta	26378.0	9.645	nan	257.520	nan	169.200	nan
1353.fasta	29674.0	9.916	nan	247.889	nan	175.000	nan
1353.fasta	32970.0	9.896	nan	274.794	nan	179.800	nan
1354.fasta	10.0	1.631	nan	14.950	nan	7.400	nan
1354.fasta	3306.0	5.638	nan	120.030	nan	67.900	nan
1354.fasta	6602.0	6.431	nan	151.077	nan	87.000	nan
1354.fasta	9898.0	7.035	nan	151.516	nan	100.000	nan
1354.fasta	13194.0	7.557	nan	191.818	nan	117.200	nan
1354.fasta	16490.0	7.802	nan	174.237	nan	122.500	nan
1354.fasta	19786.0	8.330	nan	195.936	nan	135.500	nan
1354.fasta	23082.0	8.602	nan	204.039	nan	141.600	nan
1354.fasta	26378.0	8.679	nan	223.862	nan	149.600	nan
1354.fasta	29674.0	9.160	nan	229.938	nan	157.000	nan
1354.fasta	32970.0	9.277	nan	222.455	nan	158.800	nan
1355.fasta	10.0	1.385	nan	9.400	nan	6.500	nan
1355.fasta	3306.0	6.233	nan	135.473	nan	79.800	nan
1355.fasta	6602.0	7.149	nan	177.639	nan	104.400	nan
1355.fasta	9898.0	8.101	nan	224.643	nan	125.200	nan
1355.fasta	13194.0	8.725	nan	232.174	nan	142.800	nan
1355.fasta	16490.0	9.343	nan	258.354	nan	153.900	nan
1355.fasta	19786.0	9.570	nan	273.968	nan	167.500	nan
1355.fasta	23082.0	9.930	nan	308.814	nan	177.400	nan
1355.fasta	26378.0	10.177	nan	310.951	nan	185.600	nan
1355.fasta	29674.0	10.541	nan	335.125	nan	197.600	nan
1355.fasta	32970.0	10.804	nan	346.629	nan	206.200	nan
1361.fasta	10.0	1.228	nan	7.650	nan	5.800	nan
1361.fasta	3306.0	6.396	nan	137.254	nan	69.500	nan
1361.fasta	6602.0	8.613	nan	186.914	nan	93.600	nan
1361.fasta	9898.0	9.605	nan	226.936	nan	111.700	nan
1361.fasta	13194.0	10.873	nan	261.841	nan	127.300	nan
1361.fasta	16490.0	11.459	nan	296.482	nan	139.200	nan
1361.fasta	19786.0	12.000	nan	297.818	nan	152.000	nan
1361.fasta	23082.0	13.676	nan	356.444	nan	169.600	nan
1361.fasta	26378.0	13.709	nan	359.942	nan	174.700	nan
1361.fasta	29674.0	14.427	nan	346.875	nan	185.200	nan
1361.fasta	32970.0	14.862	nan	354.185	nan	193.800	nan
1362.fasta	10.0	1.292	nan	9.833	nan	6.300	nan
1362.fasta	3306.0	7.154	nan	164.912	nan	72.300	nan
1362.fasta	6602.0	9.537	nan	237.129	nan	98.800	nan
1362.fasta	9898.0	11.245	nan	245.596	nan	120.900	nan
1362.fasta	13194.0	12.499	nan	317.237	nan	141.700	nan
1362.fasta	16490.0	12.941	nan	313.512	nan	154.700	nan
1362.fasta	19786.0	14.261	nan	350.844	nan	172.400	nan
1362.fasta	23082.0	15.617	nan	363.762	nan	186.800	nan

1362.fasta	26378.0	16.160	nan	389.665	nan	201.700	nan
1362.fasta	29674.0	16.310	nan	370.010	nan	208.100	nan
1362.fasta	32970.0	17.258	nan	395.569	nan	222.800	nan
1363.fasta	10.0	1.406	nan	10.520	nan	6.700	nan
1363.fasta	3306.0	7.262	nan	151.692	nan	74.200	nan
1363.fasta	6602.0	9.113	nan	203.471	nan	98.400	nan
1363.fasta	9898.0	10.757	nan	266.507	nan	120.000	nan
1363.fasta	13194.0	12.518	nan	317.465	nan	140.800	nan
1363.fasta	16490.0	13.123	nan	334.925	nan	153.700	nan
1363.fasta	19786.0	14.506	nan	424.935	nan	173.700	nan
1363.fasta	23082.0	15.522	nan	425.786	nan	189.400	nan
1363.fasta	26378.0	16.239	nan	448.427	nan	200.600	nan
1363.fasta	29674.0	16.950	nan	488.907	nan	215.900	nan
1363.fasta	32970.0	18.249	nan	508.472	nan	228.200	nan
1364.fasta	10.0	1.278	nan	8.317	nan	6.100	nan
1364.fasta	3306.0	7.524	nan	161.288	nan	76.700	nan
1364.fasta	6602.0	10.085	nan	215.336	nan	103.800	nan
1364.fasta	9898.0	11.823	nan	289.771	nan	129.300	nan
1364.fasta	13194.0	13.197	nan	345.886	nan	150.100	nan
1364.fasta	16490.0	14.959	nan	386.033	nan	172.400	nan
1364.fasta	19786.0	15.930	nan	427.410	nan	185.100	nan
1364.fasta	23082.0	16.401	nan	478.354	nan	200.800	nan
1364.fasta	26378.0	17.247	nan	497.568	nan	214.600	nan
1364.fasta	29674.0	18.126	nan	514.322	nan	231.400	nan
1364.fasta	32970.0	19.760	nan	523.454	nan	244.900	nan
1365.fasta	10.0	1.235	nan	10.100	nan	6.600	nan
1365.fasta	3306.0	6.830	nan	121.415	nan	68.400	nan
1365.fasta	6602.0	9.612	nan	216.627	nan	98.200	nan
1365.fasta	9898.0	10.910	nan	262.585	nan	117.200	nan
1365.fasta	13194.0	12.202	nan	287.765	nan	135.500	nan
1365.fasta	16490.0	14.046	nan	322.165	nan	155.500	nan
1365.fasta	19786.0	15.245	nan	375.658	nan	168.200	nan
1365.fasta	23082.0	15.997	nan	386.194	nan	180.400	nan
1365.fasta	26378.0	16.827	nan	404.484	nan	193.500	nan
1365.fasta	29674.0	17.544	nan	406.113	nan	207.500	nan
1365.fasta	32970.0	18.095	nan	406.179	nan	216.100	nan
1366.fasta	10.0	1.523	nan	15.050	nan	7.300	nan
1366.fasta	3306.0	6.225	nan	135.367	nan	78.500	nan
1366.fasta	6602.0	7.148	nan	166.595	nan	100.700	nan
1366.fasta	9898.0	7.786	nan	200.047	nan	115.500	nan
1366.fasta	13194.0	8.447	nan	228.993	nan	134.200	nan
1366.fasta	16490.0	9.021	nan	245.523	nan	146.400	nan
1366.fasta	19786.0	9.252	nan	275.395	nan	155.400	nan
1366.fasta	23082.0	9.511	nan	284.431	nan	165.200	nan
1366.fasta	26378.0	9.810	nan	299.951	nan	177.000	nan
1366.fasta	29674.0	10.136	nan	304.637	nan	187.000	nan
1366.fasta	32970.0	10.211	nan	314.846	nan	187.900	nan
1367.fasta	10.0	1.588	nan	14.800	nan	7.500	nan
1367.fasta	3306.0	6.471	nan	147.081	nan	79.300	nan
1367.fasta	6602.0	7.344	nan	163.768	nan	106.200	nan
1367.fasta	9898.0	8.069	nan	211.378	nan	120.200	nan
1367.fasta	13194.0	8.931	nan	239.267	nan	137.100	nan
1367.fasta	16490.0	9.543	nan	245.665	nan	151.900	nan
1367.fasta	19786.0	9.845	nan	280.621	nan	164.500	nan
1367.fasta	23082.0	10.179	nan	279.015	nan	172.100	nan
1367.fasta	26378.0	10.695	nan	290.763	nan	182.300	nan
1367.fasta	29674.0	10.839	nan	329.736	nan	190.800	nan
1367.fasta	32970.0	11.102	nan	346.750	nan	197.700	nan
1368.fasta	10.0	1.561	nan	16.920	nan	7.400	nan
1368.fasta	3306.0	6.350	nan	135.800	nan	80.600	nan
1368.fasta	6602.0	7.491	nan	178.195	nan	105.200	nan
1368.fasta	9898.0	7.847	nan	177.685	nan	116.300	nan
1368.fasta	13194.0	8.468	nan	205.673	nan	134.200	nan
1368.fasta	16490.0	8.941	nan	240.057	nan	143.500	nan
1368.fasta	19786.0	9.298	nan	247.412	nan	153.400	nan
1368.fasta	23082.0	9.448	nan	263.444	nan	164.300	nan
1368.fasta	26378.0	10.008	nan	290.609	nan	173.300	nan
1368.fasta	29674.0	10.271	nan	324.111	nan	183.400	nan
1368.fasta	32970.0	10.518	nan	313.043	nan	188.100	nan
1369.fasta	10.0	1.613	nan	13.383	nan	7.600	nan
1369.fasta	3306.0	6.069	nan	108.917	nan	71.700	nan
1369.fasta	6602.0	7.309	nan	173.231	nan	100.100	nan
1369.fasta	9898.0	7.782	nan	172.976	nan	112.800	nan
1369.fasta	13194.0	8.407	nan	220.471	nan	128.900	nan
1369.fasta	16490.0	8.739	nan	213.691	nan	137.000	nan
1369.fasta	19786.0	8.993	nan	245.144	nan	146.000	nan
1369.fasta	23082.0	9.545	nan	249.680	nan	158.600	nan
1369.fasta	26378.0	9.550	nan	252.282	nan	163.700	nan
1369.fasta	29674.0	9.931	nan	256.496	nan	169.800	nan
1369.fasta	32970.0	10.057	nan	260.822	nan	175.600	nan
1370.fasta	10.0	1.542	nan	18.200	nan	8.000	nan
1370.fasta	3306.0	6.505	nan	124.122	nan	78.900	nan
1370.fasta	6602.0	7.607	nan	167.590	nan	104.400	nan
1370.fasta	9898.0	8.465	nan	229.564	nan	126.800	nan

1370.fasta	13194.0	8.824	nan	238.032	nan	137.600	nan
1370.fasta	16490.0	9.260	nan	259.295	nan	152.000	nan
1370.fasta	19786.0	9.510	nan	287.344	nan	162.100	nan
1370.fasta	23082.0	9.864	nan	352.065	nan	174.100	nan
1370.fasta	26378.0	10.457	nan	386.618	nan	186.200	nan
1370.fasta	29674.0	10.584	nan	416.672	nan	191.500	nan
1370.fasta	32970.0	10.943	nan	488.071	nan	202.000	nan
1371.fasta	10.0	1.580	nan	17.550	nan	7.400	nan
1371.fasta	3306.0	6.219	nan	121.016	nan	78.500	nan
1371.fasta	6602.0	7.114	nan	148.617	nan	98.800	nan
1371.fasta	9898.0	7.974	nan	189.962	nan	119.000	nan
1371.fasta	13194.0	8.411	nan	228.580	nan	133.200	nan
1371.fasta	16490.0	8.715	nan	238.353	nan	141.800	nan
1371.fasta	19786.0	8.896	nan	264.957	nan	152.100	nan
1371.fasta	23082.0	9.497	nan	284.714	nan	163.900	nan
1371.fasta	26378.0	9.631	nan	298.506	nan	172.000	nan
1371.fasta	29674.0	9.806	nan	313.272	nan	179.200	nan
1371.fasta	32970.0	10.206	nan	316.052	nan	187.700	nan
1372.fasta	10.0	1.571	nan	13.300	nan	7.200	nan
1372.fasta	3306.0	6.073	nan	122.432	nan	76.300	nan
1372.fasta	6602.0	6.870	nan	156.849	nan	97.800	nan
1372.fasta	9898.0	7.649	nan	164.743	nan	110.200	nan
1372.fasta	13194.0	8.185	nan	187.868	nan	121.300	nan
1372.fasta	16490.0	8.566	nan	198.319	nan	131.700	nan
1372.fasta	19786.0	8.996	nan	216.265	nan	140.200	nan
1372.fasta	23082.0	9.142	nan	235.031	nan	148.500	nan
1372.fasta	26378.0	9.430	nan	246.101	nan	156.100	nan
1372.fasta	29674.0	9.722	nan	270.662	nan	162.900	nan
1372.fasta	32970.0	9.957	nan	292.925	nan	168.900	nan
1373.fasta	10.0	1.624	nan	13.600	nan	7.200	nan
1373.fasta	3306.0	6.127	nan	109.664	nan	73.200	nan
1373.fasta	6602.0	6.943	nan	138.671	nan	94.700	nan
1373.fasta	9898.0	7.416	nan	168.728	nan	106.400	nan
1373.fasta	13194.0	7.998	nan	191.328	nan	122.300	nan
1373.fasta	16490.0	8.410	nan	186.239	nan	132.800	nan
1373.fasta	19786.0	8.546	nan	198.849	nan	139.000	nan
1373.fasta	23082.0	8.781	nan	199.854	nan	146.800	nan
1373.fasta	26378.0	9.143	nan	201.263	nan	155.200	nan
1373.fasta	29674.0	9.217	nan	199.344	nan	159.700	nan
1373.fasta	32970.0	9.448	nan	201.581	nan	165.500	nan
1374.fasta	10.0	1.416	nan	13.150	nan	6.900	nan
1374.fasta	3306.0	5.992	nan	112.635	nan	75.200	nan
1374.fasta	6602.0	7.126	nan	168.610	nan	100.900	nan
1374.fasta	9898.0	7.804	nan	192.207	nan	120.000	nan
1374.fasta	13194.0	8.067	nan	206.328	nan	131.100	nan
1374.fasta	16490.0	8.325	nan	209.153	nan	139.300	nan
1374.fasta	19786.0	8.738	nan	239.823	nan	150.400	nan
1374.fasta	23082.0	9.010	nan	252.823	nan	155.900	nan
1374.fasta	26378.0	9.371	nan	262.051	nan	168.500	nan
1374.fasta	29674.0	9.593	nan	271.190	nan	173.100	nan
1374.fasta	32970.0	9.809	nan	270.218	nan	180.100	nan
1375.fasta	10.0	1.544	nan	11.250	nan	7.300	nan
1375.fasta	3306.0	6.013	nan	108.725	nan	72.200	nan
1375.fasta	6602.0	6.932	nan	145.525	nan	95.600	nan
1375.fasta	9898.0	7.566	nan	163.618	nan	108.300	nan
1375.fasta	13194.0	8.047	nan	175.391	nan	122.200	nan
1375.fasta	16490.0	8.497	nan	195.630	nan	133.600	nan
1375.fasta	19786.0	8.965	nan	197.776	nan	143.300	nan
1375.fasta	23082.0	9.105	nan	213.136	nan	149.300	nan
1375.fasta	26378.0	9.248	nan	213.088	nan	156.600	nan
1375.fasta	29674.0	9.533	nan	218.299	nan	162.500	nan
1375.fasta	32970.0	9.620	nan	214.386	nan	166.200	nan
1551.fasta	10.0	1.310	nan	11.500	nan	6.500	nan
1551.fasta	3306.0	5.761	nan	136.635	nan	73.300	nan
1551.fasta	6602.0	6.983	nan	169.011	nan	100.000	nan
1551.fasta	9898.0	7.748	nan	213.146	nan	122.600	nan
1551.fasta	13194.0	8.271	nan	197.003	nan	132.800	nan
1551.fasta	16490.0	8.795	nan	250.137	nan	149.600	nan
1551.fasta	19786.0	8.970	nan	243.244	nan	154.300	nan
1551.fasta	23082.0	9.338	nan	262.517	nan	166.200	nan
1551.fasta	26378.0	9.812	nan	269.480	nan	182.200	nan
1551.fasta	29674.0	9.905	nan	298.234	nan	188.000	nan
1551.fasta	32970.0	10.325	nan	313.199	nan	195.800	nan
1552.fasta	10.0	1.381	nan	11.033	nan	6.800	nan
1552.fasta	3306.0	5.713	nan	143.205	nan	72.400	nan
1552.fasta	6602.0	6.990	nan	170.386	nan	98.900	nan
1552.fasta	9898.0	7.846	nan	206.128	nan	122.900	nan
1552.fasta	13194.0	7.994	nan	199.882	nan	129.600	nan
1552.fasta	16490.0	8.420	nan	233.831	nan	144.000	nan
1552.fasta	19786.0	8.838	nan	256.606	nan	158.400	nan
1552.fasta	23082.0	8.980	nan	250.329	nan	164.700	nan
1552.fasta	26378.0	9.297	nan	269.872	nan	173.800	nan
1552.fasta	29674.0	9.549	nan	268.588	nan	182.700	nan
1552.fasta	32970.0	9.708	nan	280.107	nan	191.200	nan

1553.fasta	10.0	1.491	nan	16.950	nan	7.700	nan
1553.fasta	3306.0	5.867	nan	144.944	nan	77.800	nan
1553.fasta	6602.0	6.982	nan	156.596	nan	101.200	nan
1553.fasta	9898.0	7.888	nan	197.841	nan	121.600	nan
1553.fasta	13194.0	8.411	nan	229.141	nan	137.000	nan
1553.fasta	16490.0	8.834	nan	236.655	nan	149.600	nan
1553.fasta	19786.0	9.175	nan	249.211	nan	164.100	nan
1553.fasta	23082.0	9.515	nan	250.785	nan	171.600	nan
1553.fasta	26378.0	9.728	nan	266.982	nan	176.700	nan
1553.fasta	29674.0	9.907	nan	267.336	nan	186.600	nan
1553.fasta	32970.0	10.265	nan	289.813	nan	194.900	nan
1554.fasta	10.0	1.408	nan	11.267	nan	6.500	nan
1554.fasta	3306.0	5.641	nan	130.550	nan	71.800	nan
1554.fasta	6602.0	7.103	nan	176.735	nan	100.000	nan
1554.fasta	9898.0	7.722	nan	214.312	nan	122.300	nan
1554.fasta	13194.0	8.252	nan	223.914	nan	138.000	nan
1554.fasta	16490.0	8.790	nan	270.272	nan	151.500	nan
1554.fasta	19786.0	9.173	nan	276.542	nan	164.900	nan
1554.fasta	23082.0	9.421	nan	268.687	nan	173.000	nan
1554.fasta	26378.0	9.825	nan	293.468	nan	188.200	nan
1554.fasta	29674.0	9.973	nan	304.809	nan	195.300	nan
1554.fasta	32970.0	10.153	nan	335.035	nan	202.800	nan
1555.fasta	10.0	1.427	nan	15.120	nan	7.300	nan
1555.fasta	3306.0	6.078	nan	146.831	nan	78.900	nan
1555.fasta	6602.0	7.372	nan	190.810	nan	109.400	nan
1555.fasta	9898.0	8.134	nan	228.679	nan	132.100	nan
1555.fasta	13194.0	8.772	nan	233.272	nan	146.800	nan
1555.fasta	16490.0	9.231	nan	266.288	nan	163.400	nan
1555.fasta	19786.0	9.682	nan	256.350	nan	173.200	nan
1555.fasta	23082.0	9.973	nan	289.396	nan	187.400	nan
1555.fasta	26378.0	10.214	nan	280.989	nan	192.000	nan
1555.fasta	29674.0	10.540	nan	315.703	nan	203.500	nan
1555.fasta	32970.0	10.681	nan	332.419	nan	209.600	nan
1556.fasta	10.0	1.399	nan	10.533	nan	6.600	nan
1556.fasta	3306.0	5.415	nan	113.597	nan	65.800	nan
1556.fasta	6602.0	6.377	nan	140.329	nan	87.300	nan
1556.fasta	9898.0	7.375	nan	163.459	nan	104.600	nan
1556.fasta	13194.0	7.674	nan	197.522	nan	118.800	nan
1556.fasta	16490.0	7.943	nan	207.882	nan	125.200	nan
1556.fasta	19786.0	8.361	nan	226.843	nan	138.700	nan
1556.fasta	23082.0	8.736	nan	237.585	nan	145.700	nan
1556.fasta	26378.0	8.949	nan	242.923	nan	154.000	nan
1556.fasta	29674.0	9.207	nan	259.517	nan	162.900	nan
1556.fasta	32970.0	9.529	nan	278.184	nan	168.400	nan
1557.fasta	10.0	1.304	nan	15.120	nan	6.800	nan
1557.fasta	3306.0	5.197	nan	124.240	nan	65.900	nan
1557.fasta	6602.0	6.396	nan	157.688	nan	89.000	nan
1557.fasta	9898.0	7.020	nan	165.473	nan	105.900	nan
1557.fasta	13194.0	7.477	nan	189.329	nan	121.300	nan
1557.fasta	16490.0	7.835	nan	232.060	nan	130.700	nan
1557.fasta	19786.0	8.162	nan	233.766	nan	142.200	nan
1557.fasta	23082.0	8.561	nan	255.625	nan	151.500	nan
1557.fasta	26378.0	8.776	nan	261.898	nan	159.800	nan
1557.fasta	29674.0	8.870	nan	280.434	nan	165.500	nan
1557.fasta	32970.0	9.129	nan	290.199	nan	172.600	nan
1558.fasta	10.0	1.329	nan	13.453	nan	6.700	nan
1558.fasta	3306.0	5.829	nan	130.492	nan	72.600	nan
1558.fasta	6602.0	6.861	nan	149.962	nan	96.600	nan
1558.fasta	9898.0	7.416	nan	169.480	nan	113.600	nan
1558.fasta	13194.0	8.004	nan	195.340	nan	127.700	nan
1558.fasta	16490.0	8.216	nan	205.794	nan	137.100	nan
1558.fasta	19786.0	8.478	nan	227.965	nan	148.400	nan
1558.fasta	23082.0	8.743	nan	222.380	nan	153.400	nan
1558.fasta	26378.0	9.081	nan	232.077	nan	163.100	nan
1558.fasta	29674.0	9.353	nan	247.236	nan	170.600	nan
1558.fasta	32970.0	9.507	nan	274.849	nan	176.600	nan
1559.fasta	10.0	1.444	nan	11.053	nan	6.200	nan
1559.fasta	3306.0	5.432	nan	119.931	nan	66.700	nan
1559.fasta	6602.0	6.639	nan	156.380	nan	90.400	nan
1559.fasta	9898.0	7.390	nan	198.959	nan	107.900	nan
1559.fasta	13194.0	8.137	nan	203.174	nan	123.000	nan
1559.fasta	16490.0	8.486	nan	213.351	nan	130.800	nan
1559.fasta	19786.0	8.922	nan	208.635	nan	141.600	nan
1559.fasta	23082.0	9.180	nan	246.810	nan	155.600	nan
1559.fasta	26378.0	9.505	nan	247.159	nan	159.200	nan
1559.fasta	29674.0	9.767	nan	248.266	nan	170.300	nan
1559.fasta	32970.0	9.849	nan	244.412	nan	173.500	nan
1560.fasta	10.0	1.356	nan	13.250	nan	7.100	nan
1560.fasta	3306.0	5.105	nan	103.598	nan	66.500	nan
1560.fasta	6602.0	6.432	nan	148.742	nan	90.500	nan
1560.fasta	9898.0	6.903	nan	165.564	nan	105.000	nan
1560.fasta	13194.0	7.473	nan	181.621	nan	117.900	nan
1560.fasta	16490.0	7.825	nan	193.390	nan	126.800	nan
1560.fasta	19786.0	8.028	nan	213.234	nan	135.900	nan

1560.fasta	23082.0	8.470	nan	238.076	nan	146.900	nan
1560.fasta	26378.0	8.689	nan	243.071	nan	157.100	nan
1560.fasta	29674.0	8.807	nan	247.896	nan	161.600	nan
1560.fasta	32970.0	9.108	nan	278.164	nan	169.300	nan
1561.fasta	10.0	1.425	nan	18.520	nan	7.700	nan
1561.fasta	3306.0	9.326	nan	236.957	nan	101.400	nan
1561.fasta	6602.0	12.661	nan	407.366	nan	147.000	nan
1561.fasta	9898.0	15.184	nan	472.646	nan	181.500	nan
1561.fasta	13194.0	17.102	nan	539.777	nan	212.600	nan
1561.fasta	16490.0	18.391	nan	550.558	nan	233.900	nan
1561.fasta	19786.0	20.400	nan	628.400	nan	263.200	nan
1561.fasta	23082.0	21.577	nan	623.607	nan	287.300	nan
1561.fasta	26378.0	22.736	nan	662.451	nan	314.400	nan
1561.fasta	29674.0	24.068	nan	708.340	nan	333.300	nan
1561.fasta	32970.0	24.604	nan	706.646	nan	349.800	nan
1562.fasta	10.0	1.494	nan	11.750	nan	6.900	nan
1562.fasta	3306.0	9.360	nan	226.443	nan	99.300	nan
1562.fasta	6602.0	11.920	nan	325.491	nan	138.400	nan
1562.fasta	9898.0	14.444	nan	404.033	nan	174.200	nan
1562.fasta	13194.0	16.107	nan	459.745	nan	203.700	nan
1562.fasta	16490.0	17.544	nan	514.813	nan	225.900	nan
1562.fasta	19786.0	19.132	nan	522.570	nan	252.800	nan
1562.fasta	23082.0	20.413	nan	610.669	nan	279.300	nan
1562.fasta	26378.0	21.184	nan	614.501	nan	300.300	nan
1562.fasta	29674.0	21.892	nan	630.519	nan	318.600	nan
1562.fasta	32970.0	22.268	nan	614.819	nan	331.700	nan
1563.fasta	10.0	1.381	nan	13.500	nan	7.100	nan
1563.fasta	3306.0	9.191	nan	241.802	nan	102.600	nan
1563.fasta	6602.0	12.721	nan	332.537	nan	149.100	nan
1563.fasta	9898.0	14.225	nan	408.523	nan	176.900	nan
1563.fasta	13194.0	16.830	nan	502.927	nan	208.700	nan
1563.fasta	16490.0	17.784	nan	491.081	nan	234.200	nan
1563.fasta	19786.0	19.337	nan	527.791	nan	257.100	nan
1563.fasta	23082.0	20.663	nan	601.243	nan	279.400	nan
1563.fasta	26378.0	21.880	nan	583.524	nan	303.200	nan
1563.fasta	29674.0	22.417	nan	606.235	nan	319.300	nan
1563.fasta	32970.0	23.790	nan	635.947	nan	342.200	nan
1564.fasta	10.0	1.172	nan	8.850	nan	6.200	nan
1564.fasta	3306.0	6.469	nan	127.663	nan	66.000	nan
1564.fasta	6602.0	8.372	nan	176.565	nan	87.500	nan
1564.fasta	9898.0	10.848	nan	226.021	nan	109.600	nan
1564.fasta	13194.0	11.877	nan	283.838	nan	125.500	nan
1564.fasta	16490.0	12.928	nan	326.262	nan	140.900	nan
1564.fasta	19786.0	13.997	nan	359.467	nan	154.300	nan
1564.fasta	23082.0	15.011	nan	394.865	nan	166.000	nan
1564.fasta	26378.0	15.918	nan	405.565	nan	181.500	nan
1564.fasta	29674.0	16.578	nan	438.947	nan	189.100	nan
1564.fasta	32970.0	16.848	nan	407.747	nan	201.400	nan
1565.fasta	10.0	1.348	nan	9.800	nan	6.900	nan
1565.fasta	3306.0	6.846	nan	150.351	nan	70.700	nan
1565.fasta	6602.0	9.213	nan	209.619	nan	95.400	nan
1565.fasta	9898.0	11.013	nan	269.312	nan	117.800	nan
1565.fasta	13194.0	12.397	nan	329.444	nan	133.700	nan
1565.fasta	16490.0	13.609	nan	347.912	nan	151.700	nan
1565.fasta	19786.0	14.418	nan	437.690	nan	168.400	nan
1565.fasta	23082.0	15.153	nan	457.202	nan	181.100	nan
1565.fasta	26378.0	15.835	nan	531.064	nan	195.200	nan
1565.fasta	29674.0	17.198	nan	557.170	nan	212.900	nan
1565.fasta	32970.0	17.591	nan	528.064	nan	223.500	nan
1566.fasta	10.0	1.509	nan	14.283	nan	7.200	nan
1566.fasta	3306.0	7.565	nan	210.422	nan	102.600	nan
1566.fasta	6602.0	8.841	nan	252.587	nan	133.900	nan
1566.fasta	9898.0	9.990	nan	297.462	nan	161.600	nan
1566.fasta	13194.0	10.901	nan	309.899	nan	181.300	nan
1566.fasta	16490.0	11.486	nan	323.371	nan	201.500	nan
1566.fasta	19786.0	12.199	nan	381.994	nan	222.300	nan
1566.fasta	23082.0	12.862	nan	376.023	nan	234.200	nan
1566.fasta	26378.0	13.195	nan	371.956	nan	249.300	nan
1566.fasta	29674.0	13.689	nan	394.756	nan	261.300	nan
1566.fasta	32970.0	14.015	nan	388.267	nan	269.400	nan
1568.fasta	10.0	1.411	nan	10.900	nan	6.700	nan
1568.fasta	3306.0	5.956	nan	129.424	nan	75.300	nan
1568.fasta	6602.0	7.107	nan	160.815	nan	97.100	nan
1568.fasta	9898.0	7.688	nan	199.856	nan	114.000	nan
1568.fasta	13194.0	8.270	nan	209.865	nan	124.400	nan
1568.fasta	16490.0	8.908	nan	247.471	nan	138.200	nan
1568.fasta	19786.0	9.373	nan	275.499	nan	150.200	nan
1568.fasta	23082.0	9.632	nan	315.429	nan	162.800	nan
1568.fasta	26378.0	10.115	nan	322.277	nan	170.400	nan
1568.fasta	29674.0	10.516	nan	313.661	nan	177.100	nan
1568.fasta	32970.0	10.762	nan	321.445	nan	186.700	nan
1569.fasta	10.0	1.338	nan	9.200	nan	6.400	nan
1569.fasta	3306.0	5.987	nan	137.179	nan	79.100	nan
1569.fasta	6602.0	7.044	nan	172.040	nan	102.200	nan

1569.fasta	9898.0	8.306	nan	203.394	nan	122.900	nan
1569.fasta	13194.0	8.724	nan	264.545	nan	138.400	nan
1569.fasta	16490.0	9.241	nan	261.705	nan	149.100	nan
1569.fasta	19786.0	9.842	nan	305.314	nan	167.100	nan
1569.fasta	23082.0	10.106	nan	295.578	nan	177.000	nan
1569.fasta	26378.0	10.384	nan	306.529	nan	185.200	nan
1569.fasta	29674.0	10.776	nan	308.626	nan	194.800	nan
1569.fasta	32970.0	10.941	nan	322.803	nan	206.500	nan
1570.fasta	10.0	1.557	nan	19.720	nan	7.800	nan
1570.fasta	3306.0	5.965	nan	140.210	nan	80.200	nan
1570.fasta	6602.0	7.193	nan	174.077	nan	101.200	nan
1570.fasta	9898.0	8.144	nan	215.652	nan	122.700	nan
1570.fasta	13194.0	8.762	nan	249.473	nan	137.900	nan
1570.fasta	16490.0	9.523	nan	279.747	nan	152.400	nan
1570.fasta	19786.0	9.701	nan	289.029	nan	161.400	nan
1570.fasta	23082.0	10.273	nan	325.613	nan	174.800	nan
1570.fasta	26378.0	10.626	nan	334.389	nan	186.700	nan
1570.fasta	29674.0	10.939	nan	381.293	nan	198.900	nan
1570.fasta	32970.0	11.467	nan	432.726	nan	209.100	nan
1571.fasta	10.0	1.553	nan	14.900	nan	7.000	nan
1571.fasta	3306.0	7.059	nan	189.813	nan	99.500	nan
1571.fasta	6602.0	8.438	nan	231.572	nan	130.900	nan
1571.fasta	9898.0	9.228	nan	272.865	nan	156.700	nan
1571.fasta	13194.0	10.110	nan	278.709	nan	177.800	nan
1571.fasta	16490.0	10.655	nan	317.646	nan	196.300	nan
1571.fasta	19786.0	11.396	nan	355.800	nan	216.900	nan
1571.fasta	23082.0	11.423	nan	352.508	nan	222.700	nan
1571.fasta	26378.0	11.993	nan	383.158	nan	238.800	nan
1571.fasta	29674.0	12.403	nan	414.113	nan	254.600	nan
1571.fasta	32970.0	12.788	nan	429.694	nan	264.100	nan
1573.fasta	10.0	1.519	nan	11.970	nan	7.100	nan
1573.fasta	3306.0	6.531	nan	140.728	nan	85.600	nan
1573.fasta	6602.0	7.800	nan	228.220	nan	113.600	nan
1573.fasta	9898.0	8.458	nan	232.482	nan	133.700	nan
1573.fasta	13194.0	9.143	nan	266.872	nan	154.200	nan
1573.fasta	16490.0	9.737	nan	279.312	nan	168.900	nan
1573.fasta	19786.0	10.196	nan	317.500	nan	184.900	nan
1573.fasta	23082.0	10.514	nan	340.746	nan	196.400	nan
1573.fasta	26378.0	10.822	nan	360.962	nan	205.100	nan
1573.fasta	29674.0	11.125	nan	366.938	nan	217.800	nan
1573.fasta	32970.0	11.360	nan	378.709	nan	226.000	nan
1574.fasta	10.0	1.559	nan	11.450	nan	7.100	nan
1574.fasta	3306.0	6.497	nan	164.304	nan	87.100	nan
1574.fasta	6602.0	7.850	nan	213.265	nan	115.900	nan
1574.fasta	9898.0	8.754	nan	273.741	nan	144.400	nan
1574.fasta	13194.0	9.302	nan	278.169	nan	158.800	nan
1574.fasta	16490.0	9.816	nan	289.277	nan	175.300	nan
1574.fasta	19786.0	10.162	nan	319.788	nan	190.100	nan
1574.fasta	23082.0	10.603	nan	322.679	nan	204.800	nan
1574.fasta	26378.0	10.917	nan	318.849	nan	214.100	nan
1574.fasta	29674.0	11.147	nan	347.704	nan	224.700	nan
1574.fasta	32970.0	11.282	nan	357.760	nan	232.500	nan
1575.fasta	10.0	1.601	nan	19.050	nan	8.300	nan
1575.fasta	3306.0	6.401	nan	157.879	nan	89.200	nan
1575.fasta	6602.0	7.357	nan	192.619	nan	114.300	nan
1575.fasta	9898.0	8.301	nan	223.432	nan	135.200	nan
1575.fasta	13194.0	9.051	nan	264.298	nan	158.100	nan
1575.fasta	16490.0	9.447	nan	263.456	nan	168.500	nan
1575.fasta	19786.0	9.971	nan	323.375	nan	185.100	nan
1575.fasta	23082.0	10.122	nan	355.173	nan	197.300	nan
1575.fasta	26378.0	10.698	nan	346.580	nan	211.500	nan
1575.fasta	29674.0	10.806	nan	346.079	nan	217.800	nan
1575.fasta	32970.0	10.933	nan	375.017	nan	227.600	nan
1751.fasta	10.0	1.441	nan	12.250	nan	7.000	nan
1751.fasta	3306.0	5.678	nan	139.256	nan	80.800	nan
1751.fasta	6602.0	7.311	nan	194.742	nan	112.600	nan
1751.fasta	9898.0	8.200	nan	215.256	nan	134.800	nan
1751.fasta	13194.0	9.018	nan	252.096	nan	151.900	nan
1751.fasta	16490.0	9.490	nan	268.770	nan	166.500	nan
1751.fasta	19786.0	9.891	nan	278.914	nan	180.000	nan
1751.fasta	23082.0	10.360	nan	298.494	nan	192.900	nan
1751.fasta	26378.0	10.585	nan	303.778	nan	200.200	nan
1751.fasta	29674.0	10.858	nan	301.872	nan	209.100	nan
1751.fasta	32970.0	11.224	nan	342.324	nan	220.300	nan
1752.fasta	10.0	1.694	nan	20.100	nan	8.400	nan
1752.fasta	3306.0	5.973	nan	145.776	nan	83.700	nan
1752.fasta	6602.0	7.066	nan	217.320	nan	110.900	nan
1752.fasta	9898.0	8.297	nan	250.612	nan	133.400	nan
1752.fasta	13194.0	8.894	nan	269.785	nan	147.700	nan
1752.fasta	16490.0	9.404	nan	302.865	nan	165.400	nan
1752.fasta	19786.0	10.020	nan	328.482	nan	178.900	nan
1752.fasta	23082.0	10.350	nan	345.600	nan	194.500	nan
1752.fasta	26378.0	11.049	nan	348.770	nan	209.200	nan
1752.fasta	29674.0	10.987	nan	336.691	nan	215.900	nan

1752.fasta	32970.0	11.568	nan	368.970	nan	228.900	nan
1753.fasta	10.0	1.741	nan	21.050	nan	8.200	nan
1753.fasta	3306.0	5.950	nan	150.500	nan	82.900	nan
1753.fasta	6602.0	7.058	nan	184.427	nan	114.500	nan
1753.fasta	9898.0	7.799	nan	225.609	nan	134.000	nan
1753.fasta	13194.0	8.507	nan	247.428	nan	150.900	nan
1753.fasta	16490.0	8.721	nan	258.582	nan	160.700	nan
1753.fasta	19786.0	9.122	nan	294.156	nan	175.500	nan
1753.fasta	23082.0	9.357	nan	277.083	nan	184.800	nan
1753.fasta	26378.0	9.768	nan	315.727	nan	199.000	nan
1753.fasta	29674.0	9.976	nan	312.522	nan	205.000	nan
1753.fasta	32970.0	10.285	nan	334.433	nan	217.900	nan
1754.fasta	10.0	1.384	nan	11.150	nan	6.700	nan
1754.fasta	3306.0	6.024	nan	148.919	nan	84.600	nan
1754.fasta	6602.0	7.287	nan	199.958	nan	111.000	nan
1754.fasta	9898.0	8.219	nan	245.303	nan	137.100	nan
1754.fasta	13194.0	8.981	nan	270.043	nan	157.300	nan
1754.fasta	16490.0	9.316	nan	295.077	nan	168.300	nan
1754.fasta	19786.0	9.737	nan	297.400	nan	181.200	nan
1754.fasta	23082.0	10.057	nan	326.157	nan	195.500	nan
1754.fasta	26378.0	10.361	nan	323.645	nan	206.000	nan
1754.fasta	29674.0	10.711	nan	348.921	nan	216.300	nan
1754.fasta	32970.0	11.056	nan	355.867	nan	226.100	nan
1755.fasta	10.0	1.476	nan	12.120	nan	7.000	nan
1755.fasta	3306.0	4.250	nan	91.727	nan	55.300	nan
1755.fasta	6602.0	4.911	nan	113.345	nan	69.300	nan
1755.fasta	9898.0	5.521	nan	133.632	nan	79.100	nan
1755.fasta	13194.0	6.107	nan	174.666	nan	92.100	nan
1755.fasta	16490.0	6.454	nan	178.747	nan	100.600	nan
1755.fasta	19786.0	6.794	nan	193.944	nan	109.700	nan
1755.fasta	23082.0	7.147	nan	207.035	nan	116.100	nan
1755.fasta	26378.0	7.422	nan	207.383	nan	122.600	nan
1755.fasta	29674.0	7.602	nan	212.276	nan	127.900	nan
1755.fasta	32970.0	7.742	nan	206.519	nan	133.300	nan
1756.fasta	10.0	1.346	nan	15.100	nan	6.900	nan
1756.fasta	3306.0	4.506	nan	116.017	nan	62.900	nan
1756.fasta	6602.0	6.167	nan	147.748	nan	89.600	nan
1756.fasta	9898.0	6.624	nan	164.944	nan	104.800	nan
1756.fasta	13194.0	7.190	nan	190.551	nan	119.000	nan
1756.fasta	16490.0	7.725	nan	216.108	nan	129.400	nan
1756.fasta	19786.0	8.367	nan	241.564	nan	140.200	nan
1756.fasta	23082.0	8.472	nan	259.986	nan	149.300	nan
1756.fasta	26378.0	8.840	nan	261.039	nan	155.400	nan
1756.fasta	29674.0	9.219	nan	273.522	nan	167.100	nan
1756.fasta	32970.0	9.420	nan	285.371	nan	171.800	nan
1757.fasta	10.0	1.326	nan	12.820	nan	6.800	nan
1757.fasta	3306.0	4.874	nan	119.848	nan	63.500	nan
1757.fasta	6602.0	5.843	nan	135.525	nan	82.000	nan
1757.fasta	9898.0	6.610	nan	161.831	nan	98.000	nan
1757.fasta	13194.0	7.376	nan	194.895	nan	114.000	nan
1757.fasta	16490.0	7.829	nan	192.259	nan	123.500	nan
1757.fasta	19786.0	8.014	nan	214.266	nan	132.800	nan
1757.fasta	23082.0	8.589	nan	235.036	nan	145.700	nan
1757.fasta	26378.0	8.817	nan	233.572	nan	152.400	nan
1757.fasta	29674.0	9.061	nan	252.511	nan	160.500	nan
1757.fasta	32970.0	9.219	nan	258.213	nan	162.700	nan
1758.fasta	10.0	1.219	nan	10.583	nan	6.400	nan
1758.fasta	3306.0	4.666	nan	106.382	nan	58.500	nan
1758.fasta	6602.0	5.629	nan	127.247	nan	75.400	nan
1758.fasta	9898.0	6.145	nan	167.213	nan	88.600	nan
1758.fasta	13194.0	6.713	nan	165.749	nan	99.300	nan
1758.fasta	16490.0	6.977	nan	189.363	nan	108.600	nan
1758.fasta	19786.0	7.422	nan	205.447	nan	119.300	nan
1758.fasta	23082.0	7.687	nan	232.268	nan	127.700	nan
1758.fasta	26378.0	7.969	nan	249.021	nan	134.500	nan
1758.fasta	29674.0	8.210	nan	236.940	nan	138.500	nan
1758.fasta	32970.0	8.347	nan	239.072	nan	141.900	nan
1759.fasta	10.0	1.200	nan	10.003	nan	6.100	nan
1759.fasta	3306.0	4.487	nan	112.425	nan	58.100	nan
1759.fasta	6602.0	5.364	nan	129.105	nan	75.400	nan
1759.fasta	9898.0	6.278	nan	158.610	nan	92.200	nan
1759.fasta	13194.0	6.885	nan	175.213	nan	105.000	nan
1759.fasta	16490.0	7.214	nan	187.982	nan	112.800	nan
1759.fasta	19786.0	7.794	nan	206.460	nan	126.000	nan
1759.fasta	23082.0	7.921	nan	211.324	nan	130.800	nan
1759.fasta	26378.0	8.349	nan	233.699	nan	138.600	nan
1759.fasta	29674.0	8.618	nan	262.734	nan	147.800	nan
1759.fasta	32970.0	8.596	nan	262.859	nan	154.000	nan
1760.fasta	10.0	1.351	nan	11.270	nan	6.800	nan
1760.fasta	3306.0	4.459	nan	101.698	nan	60.500	nan
1760.fasta	6602.0	5.776	nan	136.767	nan	81.100	nan
1760.fasta	9898.0	5.943	nan	144.989	nan	90.600	nan
1760.fasta	13194.0	6.928	nan	190.558	nan	106.600	nan
1760.fasta	16490.0	7.480	nan	213.014	nan	119.800	nan

1760.fasta	19786.0	7.714	nan	215.509	nan	124.400	nan
1760.fasta	23082.0	7.795	nan	223.720	nan	134.400	nan
1760.fasta	26378.0	8.369	nan	237.509	nan	143.200	nan
1760.fasta	29674.0	8.487	nan	246.579	nan	150.200	nan
1760.fasta	32970.0	8.516	nan	261.766	nan	152.200	nan
1761.fasta	10.0	1.579	nan	12.250	nan	7.000	nan
1761.fasta	3306.0	8.348	nan	179.222	nan	90.900	nan
1761.fasta	6602.0	11.212	nan	325.458	nan	126.200	nan
1761.fasta	9898.0	13.269	nan	406.527	nan	151.200	nan
1761.fasta	13194.0	15.378	nan	449.484	nan	179.600	nan
1761.fasta	16490.0	15.936	nan	512.110	nan	204.900	nan
1761.fasta	19786.0	17.185	nan	537.734	nan	223.700	nan
1761.fasta	23082.0	18.564	nan	587.004	nan	245.900	nan
1761.fasta	26378.0	20.308	nan	655.002	nan	277.300	nan
1761.fasta	29674.0	21.126	nan	684.600	nan	288.700	nan
1761.fasta	32970.0	22.344	nan	673.055	nan	306.400	nan
1762.fasta	10.0	1.381	nan	14.100	nan	6.800	nan
1762.fasta	3306.0	7.341	nan	160.940	nan	82.900	nan
1762.fasta	6602.0	9.190	nan	252.026	nan	108.400	nan
1762.fasta	9898.0	11.077	nan	303.663	nan	132.700	nan
1762.fasta	13194.0	11.852	nan	305.503	nan	151.300	nan
1762.fasta	16490.0	13.171	nan	403.067	nan	171.300	nan
1762.fasta	19786.0	14.263	nan	410.383	nan	188.500	nan
1762.fasta	23082.0	14.946	nan	413.910	nan	199.900	nan
1762.fasta	26378.0	16.272	nan	474.191	nan	218.900	nan
1762.fasta	29674.0	16.662	nan	501.596	nan	231.700	nan
1762.fasta	32970.0	17.329	nan	548.291	nan	241.300	nan
1763.fasta	10.0	1.358	nan	8.870	nan	6.500	nan
1763.fasta	3306.0	6.652	nan	138.483	nan	76.000	nan
1763.fasta	6602.0	9.046	nan	218.393	nan	107.200	nan
1763.fasta	9898.0	10.485	nan	277.712	nan	129.800	nan
1763.fasta	13194.0	11.753	nan	311.744	nan	147.900	nan
1763.fasta	16490.0	12.859	nan	343.025	nan	164.000	nan
1763.fasta	19786.0	14.270	nan	400.273	nan	181.600	nan
1763.fasta	23082.0	14.919	nan	431.303	nan	195.700	nan
1763.fasta	26378.0	15.343	nan	449.097	nan	207.100	nan
1763.fasta	29674.0	16.265	nan	487.327	nan	225.400	nan
1763.fasta	32970.0	16.975	nan	501.097	nan	233.700	nan
1764.fasta	10.0	1.419	nan	11.333	nan	6.900	nan
1764.fasta	3306.0	7.807	nan	174.062	nan	81.900	nan
1764.fasta	6602.0	9.909	nan	289.682	nan	108.600	nan
1764.fasta	9898.0	11.854	nan	306.069	nan	133.200	nan
1764.fasta	13194.0	12.937	nan	376.940	nan	152.800	nan
1764.fasta	16490.0	14.047	nan	387.879	nan	171.000	nan
1764.fasta	19786.0	15.824	nan	441.605	nan	186.700	nan
1764.fasta	23082.0	16.633	nan	448.570	nan	206.700	nan
1764.fasta	26378.0	17.937	nan	576.450	nan	224.700	nan
1764.fasta	29674.0	18.617	nan	544.088	nan	236.600	nan
1764.fasta	32970.0	19.640	nan	564.865	nan	253.500	nan
1765.fasta	10.0	1.478	nan	16.500	nan	7.700	nan
1765.fasta	3306.0	6.920	nan	157.128	nan	80.700	nan
1765.fasta	6602.0	9.176	nan	234.291	nan	110.600	nan
1765.fasta	9898.0	10.792	nan	265.145	nan	130.900	nan
1765.fasta	13194.0	12.118	nan	332.939	nan	152.100	nan
1765.fasta	16490.0	13.295	nan	392.297	nan	172.200	nan
1765.fasta	19786.0	13.951	nan	399.498	nan	190.000	nan
1765.fasta	23082.0	14.104	nan	411.058	nan	198.400	nan
1765.fasta	26378.0	15.818	nan	449.227	nan	219.200	nan
1765.fasta	29674.0	16.157	nan	472.695	nan	233.600	nan
1765.fasta	32970.0	17.099	nan	525.841	nan	246.200	nan
1766.fasta	10.0	1.569	nan	19.150	nan	8.100	nan
1766.fasta	3306.0	5.710	nan	152.703	nan	82.400	nan
1766.fasta	6602.0	6.973	nan	172.747	nan	102.900	nan
1766.fasta	9898.0	8.147	nan	235.809	nan	125.000	nan
1766.fasta	13194.0	8.595	nan	248.195	nan	140.700	nan
1766.fasta	16490.0	9.177	nan	278.114	nan	155.700	nan
1766.fasta	19786.0	9.643	nan	296.765	nan	168.000	nan
1766.fasta	23082.0	10.078	nan	325.525	nan	176.300	nan
1766.fasta	26378.0	10.497	nan	353.825	nan	190.300	nan
1766.fasta	29674.0	10.881	nan	334.343	nan	198.100	nan
1766.fasta	32970.0	11.114	nan	384.467	nan	211.500	nan
1767.fasta	10.0	1.324	nan	12.067	nan	7.000	nan
1767.fasta	3306.0	5.467	nan	134.076	nan	77.600	nan
1767.fasta	6602.0	6.655	nan	165.720	nan	98.700	nan
1767.fasta	9898.0	7.548	nan	201.756	nan	118.100	nan
1767.fasta	13194.0	8.158	nan	258.266	nan	135.100	nan
1767.fasta	16490.0	8.663	nan	250.918	nan	143.100	nan
1767.fasta	19786.0	9.046	nan	258.933	nan	155.500	nan
1767.fasta	23082.0	9.176	nan	298.479	nan	163.700	nan
1767.fasta	26378.0	9.857	nan	351.411	nan	179.900	nan
1767.fasta	29674.0	9.986	nan	344.823	nan	187.800	nan
1767.fasta	32970.0	10.475	nan	348.363	nan	193.400	nan
1768.fasta	10.0	1.468	nan	14.900	nan	7.200	nan
1768.fasta	3306.0	5.566	nan	129.036	nan	73.900	nan

1768.fasta	6602.0	6.868	nan	190.469	nan	100.100	nan
1768.fasta	9898.0	7.600	nan	225.428	nan	114.100	nan
1768.fasta	13194.0	8.464	nan	244.504	nan	131.300	nan
1768.fasta	16490.0	8.622	nan	267.086	nan	138.800	nan
1768.fasta	19786.0	9.134	nan	278.520	nan	147.400	nan
1768.fasta	23082.0	9.778	nan	287.986	nan	161.400	nan
1768.fasta	26378.0	10.023	nan	318.761	nan	172.400	nan
1768.fasta	29674.0	10.194	nan	319.316	nan	177.900	nan
1768.fasta	32970.0	10.748	nan	332.583	nan	189.100	nan
1769.fasta	10.0	1.557	nan	13.700	nan	7.400	nan
1769.fasta	3306.0	5.453	nan	129.923	nan	76.200	nan
1769.fasta	6602.0	6.759	nan	164.954	nan	96.700	nan
1769.fasta	9898.0	7.984	nan	211.649	nan	118.200	nan
1769.fasta	13194.0	8.675	nan	251.396	nan	135.500	nan
1769.fasta	16490.0	9.192	nan	271.626	nan	146.500	nan
1769.fasta	19786.0	9.824	nan	300.778	nan	158.800	nan
1769.fasta	23082.0	10.036	nan	300.821	nan	167.300	nan
1769.fasta	26378.0	10.249	nan	309.909	nan	177.300	nan
1769.fasta	29674.0	10.902	nan	345.039	nan	188.000	nan
1769.fasta	32970.0	11.187	nan	357.757	nan	198.200	nan
1770.fasta	10.0	1.490	nan	21.100	nan	8.000	nan
1770.fasta	3306.0	5.424	nan	121.327	nan	73.600	nan
1770.fasta	6602.0	6.631	nan	170.445	nan	98.400	nan
1770.fasta	9898.0	7.333	nan	195.910	nan	112.400	nan
1770.fasta	13194.0	7.922	nan	245.168	nan	125.800	nan
1770.fasta	16490.0	8.496	nan	267.719	nan	140.500	nan
1770.fasta	19786.0	8.917	nan	274.395	nan	149.500	nan
1770.fasta	23082.0	9.132	nan	291.082	nan	159.900	nan
1770.fasta	26378.0	9.551	nan	293.026	nan	166.600	nan
1770.fasta	29674.0	9.893	nan	295.032	nan	174.100	nan
1770.fasta	32970.0	10.130	nan	302.638	nan	183.100	nan
1771.fasta	10.0	1.448	nan	9.820	nan	6.700	nan
1771.fasta	3306.0	5.853	nan	171.039	nan	78.400	nan
1771.fasta	6602.0	6.991	nan	176.700	nan	104.500	nan
1771.fasta	9898.0	7.777	nan	213.993	nan	121.800	nan
1771.fasta	13194.0	8.083	nan	228.249	nan	137.500	nan
1771.fasta	16490.0	9.027	nan	265.548	nan	152.200	nan
1771.fasta	19786.0	9.007	nan	258.464	nan	159.700	nan
1771.fasta	23082.0	9.607	nan	301.015	nan	176.900	nan
1771.fasta	26378.0	9.835	nan	318.110	nan	185.500	nan
1771.fasta	29674.0	10.188	nan	330.873	nan	192.400	nan
1771.fasta	32970.0	10.372	nan	310.677	nan	199.400	nan
1772.fasta	10.0	1.632	nan	14.900	nan	7.900	nan
1772.fasta	3306.0	6.176	nan	151.599	nan	80.500	nan
1772.fasta	6602.0	7.204	nan	188.017	nan	105.000	nan
1772.fasta	9898.0	7.905	nan	207.934	nan	124.800	nan
1772.fasta	13194.0	8.693	nan	237.452	nan	142.300	nan
1772.fasta	16490.0	9.138	nan	305.391	nan	159.600	nan
1772.fasta	19786.0	9.733	nan	298.002	nan	170.500	nan
1772.fasta	23082.0	9.834	nan	319.972	nan	177.100	nan
1772.fasta	26378.0	10.374	nan	335.231	nan	190.400	nan
1772.fasta	29674.0	10.562	nan	334.958	nan	198.800	nan
1772.fasta	32970.0	11.072	nan	383.438	nan	213.200	nan
1773.fasta	10.0	1.626	nan	15.950	nan	7.400	nan
1773.fasta	3306.0	5.941	nan	148.418	nan	82.600	nan
1773.fasta	6602.0	7.254	nan	173.972	nan	107.100	nan
1773.fasta	9898.0	8.346	nan	243.761	nan	132.800	nan
1773.fasta	13194.0	8.435	nan	240.642	nan	145.300	nan
1773.fasta	16490.0	9.434	nan	286.078	nan	162.500	nan
1773.fasta	19786.0	9.750	nan	306.724	nan	174.600	nan
1773.fasta	23082.0	10.070	nan	309.536	nan	185.100	nan
1773.fasta	26378.0	10.257	nan	320.058	nan	195.600	nan
1773.fasta	29674.0	10.726	nan	334.245	nan	204.700	nan
1773.fasta	32970.0	11.200	nan	341.986	nan	219.400	nan
1774.fasta	10.0	1.705	nan	27.200	nan	8.300	nan
1774.fasta	3306.0	5.956	nan	138.594	nan	82.800	nan
1774.fasta	6602.0	7.535	nan	197.248	nan	114.500	nan
1774.fasta	9898.0	8.402	nan	242.063	nan	134.700	nan
1774.fasta	13194.0	8.933	nan	290.612	nan	153.400	nan
1774.fasta	16490.0	9.533	nan	296.690	nan	165.500	nan
1774.fasta	19786.0	10.131	nan	317.535	nan	184.900	nan
1774.fasta	23082.0	10.332	nan	327.790	nan	196.200	nan
1774.fasta	26378.0	10.817	nan	340.595	nan	206.100	nan
1774.fasta	29674.0	10.982	nan	353.301	nan	214.800	nan
1774.fasta	32970.0	11.339	nan	382.056	nan	224.100	nan
1775.fasta	10.0	1.550	nan	13.150	nan	7.000	nan
1775.fasta	3306.0	6.383	nan	153.660	nan	88.900	nan
1775.fasta	6602.0	7.868	nan	231.632	nan	120.100	nan
1775.fasta	9898.0	8.815	nan	233.845	nan	141.800	nan
1775.fasta	13194.0	9.435	nan	251.199	nan	159.500	nan
1775.fasta	16490.0	9.973	nan	311.394	nan	177.000	nan
1775.fasta	19786.0	10.541	nan	311.737	nan	191.200	nan
1775.fasta	23082.0	10.922	nan	340.435	nan	203.500	nan
1775.fasta	26378.0	11.380	nan	363.631	nan	214.800	nan

1775.fasta	29674.0	11.588	nan	356.964	nan	223.800	nan
1775.fasta	32970.0	11.865	nan	409.530	nan	237.000	nan