

Sheet1

Table S6 List of tRNA gene sequences presenting $\geq 90\%$ identity

#ID	tRNA length	Sequence name
Cluster 24672		
0	87nt	tRNA-Bacillus_phage_BCP78-Tyr(gta)
1	87nt	tRNA-Bacillus_phage_BCU4-Tyr(gta)
2	107nt	W141789742 JOTM01000011 Firmicutes Bacillus
3	107nt	W1610924658 LTAQ01000004 Firmicutes Bacillus
Cluster 26162		
0	87nt	tRNA-Serratia_phage_X20-Leu(taa)
1	107nt	W1610135943 FACG01000134 Firmicutes Peptoclostridium
Cluster 31479		
0	86nt	tRNA-Salmonella_phage_PVP-SE1-Leu(taa)
1	106nt	W1610856935 LQOE01000134 Firmicutes Lactococcus
Cluster 31975		
0	81nt	tRNA-Salmonella_phage_100268_sal2-Leu(tag)
1	105nt	C011616 CP000413 Firmicutes Lactobacillus
2	105nt	C011639 CP000413 Firmicutes Lactobacillus
3	105nt	C011868 AE017198 Firmicutes Lactobacillus
Cluster 32432		
0	86nt	tRNA-Klebsiella_phage_vB_KpnM_BIS47-Leu(tag)
1	105nt	C09107584 CP001674 Betaproteobacteria Methylovorus
2	105nt	C11114217 CP002252 Betaproteobacteria Methylovorus
3	105nt	C151104070 LN794158 Betaproteobacteria Candidatus
Cluster 36399		
0	85nt	tRNA-Pseudomonas_phage_C11-Leu(tag)
1	105nt	W141754977 JNWH01000027 Betaproteobacteria Delftia
2	105nt	W141755051 JNWI01000023 Betaproteobacteria Delftia
Cluster 38155		
0	84nt	tRNA-Aeromonas_phage_phiAS5-Leu(tag)
1	105nt	W1610723227 LMDF01000007 Alphaproteobacteria Caulobacter
Cluster 41419		
0	76nt	tRNA-Stenotrophomonas_phage_vB_SmaS-DLP_6-Phe(gaa)
1	96nt	W09128534 ACLU01000020 Firmicutes Bacillus
2	96nt	W09128547 ACLU01000025 Firmicutes Bacillus
3	96nt	W09128611 ACLV01000016 Firmicutes Bacillus
Cluster 41790		
0	79nt	tRNA-Pseudomonas_phage_C11-Asp(gtc)
1	79nt	tRNA-Pseudomonas_phage_JG004-Asp(gtc)
2	99nt	W141754978 JNWH01000027 Betaproteobacteria Delftia
3	99nt	W141755052 JNWI01000023 Betaproteobacteria Delftia
Cluster 43070		
0	76nt	tRNA-Mycobacterium_phage_Myrna-Asp(gtc)
1	98nt	C10110207 CP001744 Planctomycetes Planctomyces

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2	98nt	W09109628 ABUK01000001 Planctomycetes Planctomyces
Cluster 43905		
0	75nt	tRNA-Mycobacterium_phage_Alice-Pro(tgg)
1	98nt	W09117867 ACCL02000010 Firmicutes Bryantella
Cluster 44948		
0	77nt	tRNA-Agrobacterium_phage_Atu_ph07-Pro(tgg)
1	98nt	W141220922 AZYH01000006 Bacteroidetes Cytophaga
2	98nt	W141228737 BAMD01000049 Bacteroidetes Cytophaga
Cluster 45185		
0	78nt	tRNA-Pseudomonas_phage_C11-Pro(tgg)
1	78nt	tRNA-Pseudomonas_phage_PaP1-Pro(tgg)
2	98nt	W141754981 JNWH01000027 Betaproteobacteria Delftia
3	98nt	W141755055 JNWI01000023 Betaproteobacteria Delftia
Cluster 47275		
0	76nt	tRNA-Mycobacterium_phage_Tonenili-Asp(gtc)
1	98nt	W1610735634 LMMR01000005 Actinobacteria Leifsonia
Cluster 47740		
0	74nt	tRNA-Synechococcus_phage_S-PM2-Pro(tgg)
1	98nt	W1610948307 LVBB01000080 Planctomycetes Phycisphaerales
Cluster 49461		
0	76nt	tRNA-Acinetobacter_virus_133-Met(cat)
1	97nt	C010423 CP000155 Gammaproteobacteria Hahella
Cluster 50326		
0	77nt	tRNA-Vibrio_phage_pVp-1-Arg(tct)
1	97nt	C017634 CR354531 Gammaproteobacteria Photobacterium
2	97nt	W141261176 CCAR010000004 Gammaproteobacteria Photobacterium
3	97nt	W1610772577 LNTE01000004 Gammaproteobacteria Photobacterium
Cluster 50605		
0	77nt	tRNA-Stenotrophomonas_phage_vB_SmaS-DLP_6-Arg(acg)
1	97nt	C020930 CP000302 Gammaproteobacteria Shewanella
2	97nt	C021957 CP000447 Gammaproteobacteria Shewanella
3	97nt	C08010136 CP000851 Gammaproteobacteria Shewanella
Cluster 51063		
0	78nt	tRNA-Stenotrophomonas_phage_vB_SmaS-DLP_6-Pro(cgg)
1	97nt	C026950 AE008923 Gammaproteobacteria Xanthomonas
2	97nt	C027028 CP000050 Gammaproteobacteria Xanthomonas
3	97nt	C027058 AE008922 Gammaproteobacteria Xanthomonas
Cluster 52567		
0	76nt	tRNA-Klebsiella_phage_vB_Kpn_IME260-Arg(tct)
1	97nt	C09110565 CP001616 Gammaproteobacteria Tolumonas
2	97nt	W141215849 AZUK01000002 Gammaproteobacteria Tolumonas
3	97nt	W1511481617 JWJV01000040 Gammaproteobacteria Leclercia

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Cluster 55830		
0	77nt	tRNA-Cronobacter_phage_CR3-Pro(tgg)
1	77nt	tRNA-Cronobacter_phage_CR8-Pro(tgg)
2	97nt	C121006667 CP003147 Alphaproteobacteria Pseudovibrio
3	97nt	C121006668 CP003147 Alphaproteobacteria Pseudovibrio
4	97nt	W09112032 ABXL01000044 Alphaproteobacteria Pseudovibrio
Cluster 59901		
0	75nt	tRNA-Stenotrophomonas_phage_vB_SmaS-DLP_6-Gly(gcc)
1	97nt	C153001053 CP011211 CandidatusSaccharibacteria Candidatus
Cluster 59918		
0	77nt	tRNA-Klebsiella_phage_PKO111-Arg(tct)
1	97nt	C161000074 AP013035 Aquificae Thermosulfidibacter
Cluster 61235		
0	77nt	tRNA-Citrobacter_phage_Michonne-Asn(gtt)
1	77nt	tRNA-Citrobacter_phage_Mordin-Asn(gtt)
2	77nt	tRNA-Escherichia_phage_SUSP1-Asn(gtt)
3	97nt	C161074178 CP014608 Gammaproteobacteria Obesumbacterium
4	97nt	W121008412 AGC101000083 Gammaproteobacteria Hafnia
5	97nt	W1610995009 LLEX01000134 Gammaproteobacteria Obesumbacterium
Cluster 61456		
0	77nt	tRNA-Aeromonas_phage_65.2-Met(cat)
1	97nt	C161087196 CP015403 Betaproteobacteria Burkholderiales
2	97nt	W10110999 ADCQ01000047 Betaproteobacteria Burkholderiales
3	97nt	W11113663 ADCQ01000047 Betaproteobacteria Burkholderiales
Cluster 63050		
0	76nt	tRNA-Bacillus_phage_BCP8-2-Glu(ttc)
1	76nt	tRNA-Bacillus_phage_Deep_Blue-Glu(ttc)
2	77nt	tRNA-Bacillus_virus_BM15-Glu(ttc)
3	77nt	tRNA-Bacillus_cereus_bacteriophage_vB_BceM_Bc431v3-Glu(ttc)
4	77nt	tRNA-Bacillus_phage_JBP901-Glu(ttc)
5	97nt	W09131060 ACMZ01000145 Firmicutes Bacillus
6	97nt	W131186879 ARXZ01004211 Firmicutes Bacillus
7	97nt	W1610794030 LOMO01000001 Firmicutes Bacillus
Cluster 63051		
0	75nt	tRNA-Bacillus_phage_PBC6-Glu(ttc)
1	97nt	W09131066 ACMZ01000145 Firmicutes Bacillus
2	97nt	W131186885 ARXZ01004212 Firmicutes Bacillus
3	97nt	W1610794036 LOMO01000001 Firmicutes Bacillus
Cluster 63959		
0	75nt	tRNA-Mycobacteriophage_Bxz1-Pro(tgg)
1	73nt	tRNA-Mycobacterium_phage_Bigswole-Pro(tgg)
2	97nt	W11143186 AEPQ01000255 Cyanobacteria Lyngbya
Cluster 65045		
0	75nt	tRNA-Mycobacteriophage_Catera-Glu(ctc)
1	75nt	tRNA-Mycobacterium_phage_ArcherS7-Glu(ctc)

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2	97nt	W121018352 AGSZ01000707 Actinobacteria Mycobacterium
3	97nt	W1511629795 LDCO01000003 Actinobacteria Mycobacterium
4	97nt	W1511640156 LDPU01000003 Actinobacteria Mycobacterium
Cluster 65862		
0	73nt	tRNA-Gordonia_phage_GMA2-Lys(ctt)
1	96nt	C161037750 CP011883 Actinobacteria Mycobacterium
2	97nt	W121123663 BAED01000061 Actinobacteria Gordonia
3	96nt	W131060187 ANHL01000007 Actinobacteria Mycobacterium
Cluster 66172		
0	77nt	tRNA-Bacillus_phage_vB_BanS-Tsamsa-Gln(ttg)
1	97nt	W131004729 AHDZ01000070 Firmicutes Bacillus
Cluster 66176		
0	75nt	tRNA-Bacillus_phage_BCP8-2-Arg(tct)
1	97nt	W131004736 AHDZ01000070 Firmicutes Bacillus
Cluster 70777		
0	74nt	tRNA-Streptomyces_phage_BRock-Arg(tct)
1	97nt	W131230103 AUHI01000015 Firmicutes Halalkalibacillus
Cluster 76100		
0	76nt	tRNA-Pseudomonas_phage_C11-Lys(ttt)
1	77nt	tRNA-Pseudomonas_phage_JG004-Lys(ttt)
2	76nt	tRNA-Pseudomonas_phage_Zigelbrucke-Lys(ttt)
3	97nt	W141754976 JNWH01000027 Betaproteobacteria Delftia
4	97nt	W141755050 JNWI01000023 Betaproteobacteria Delftia
Cluster 76101		
0	77nt	tRNA-Pseudomonas_phage_JG004-Phe(gaa)
1	97nt	W141754983 JNWH01000027 Betaproteobacteria Delftia
2	97nt	W141755057 JNWI01000023 Betaproteobacteria Delftia
Cluster 80730		
0	76nt	tRNA-Stenotrophomonas_phage_IME-SM1-Ala(tgc)
1	97nt	W1511607578 LCCW01000032 Parcubacteria Parcubacteria
Cluster 81631		
0	74nt	tRNA-Mycobacterium_phage_Myrna-Lys(ctt)
1	97nt	W1511685519 LFOD01000039 Actinobacteria Mycobacterium
Cluster 83568		
0	76nt	tRNA-Stenotrophomonas_phage_vB_SmaS-DLP_6-Ala(tgc)
1	96nt	C012545 CP000705 Firmicutes Lactobacillus
2	96nt	C012566 CP000705 Firmicutes Lactobacillus
3	96nt	C012578 CP000705 Firmicutes Lactobacillus
Cluster 83806		
0	78nt	tRNA-Serratia_phage_CBH8-Pro(tgg)
1	97nt	W1610135945 FACG01000134 Firmicutes Peptoclostridium
Cluster 86236		

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0	77nt	tRNA-Ralstonia_phage_RSP15-Lys(ttt)
1	97nt	W1610662946 LJUE01000017 Planctomycetes Planctomycetes
Cluster 87966		
0	75nt	tRNA-Mycobacterium_phage_Myrna-Met(cat)
1	97nt	W1610816846 LPBG01000047 Betaproteobacteria Burkholderia
2	97nt	W1610817075 LPBJ01000047 Betaproteobacteria Burkholderia
3	97nt	W1610825155 LPGQ01000069 Betaproteobacteria Burkholderia
Cluster 91356		
0	75nt	tRNA-Agrobacterium_phage_Atu_ph07-Val(tac)
1	96nt	C002024 CP000524 Alphaproteobacteria Bartonella
2	96nt	C003014 BX897699 Alphaproteobacteria Bartonella
3	96nt	C08002161 AM260525 Alphaproteobacteria Bartonella
Cluster 92259		
0	74nt	tRNA-Mycobacterium_phage_ArcherS7-Gly(gcc)
1	96nt	C009864 CU207366 Bacteroidetes Gramella
2	96nt	C10114648 CP001650 Bacteroidetes Zunongwangia
3	96nt	C161027990 CP010535 Bacteroidetes Sediminicola
Cluster 92788		
0	76nt	tRNA-Bacillus_phage_PBC6-Thr(tgt)
1	76nt	tRNA-Bacillus_phage_TsarBomba-Thr(tgt)
2	96nt	C013490 L43967 Tenericutes Mycoplasma
3	96nt	C013970 U00089 Tenericutes Mycoplasma
4	96nt	C10109513 CP002077 Tenericutes Mycoplasma
Cluster 93682		
0	76nt	tRNA-Synechococcus_phage_S-PM2-Arg(tct)
1	96nt	C021098 AP008231 Cyanobacteria Synechococcus
2	96nt	C021141 CP000100 Cyanobacteria Synechococcus
3	96nt	C151009174 CP006471 Cyanobacteria Synechococcus
Cluster 94404		
0	76nt	tRNA-Cronobacter_phage_CR9-Thr(tgt)
1	96nt	C08001614 CP001016 Alphaproteobacteria Beijerinckia
Cluster 96376		
0	74nt	tRNA-Mycobacteriophage_Bxz1-Gly(gcc)
1	74nt	tRNA-Mycobacterium_phage_ScottMcG-Gly(gcc)
2	96nt	C10102650 CP002046 Bacteroidetes Croceibacter
3	96nt	C151098504 FP476056 Bacteroidetes Zobellia
4	96nt	W121063876 AJLT01000019 Bacteroidetes Gillisia
Cluster 98191		
0	77nt	tRNA-Vibrio_phage_vB_VorS-PVo5-Lys(ttt)
1	96nt	C11107054 CP002432 Chrysiogenetes Desulfurispirillum
2	96nt	W10114085 ADGU01000009 Unknown bacterium
3	96nt	W11117421 ADGU01000009 Unknown bacterium
Cluster 98467		
0	73nt	tRNA-Streptomyces_phage_BRock-Asn(gtt)

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1	96nt	C11111436 CP002343 Actinobacteria Intrasporangium
2	96nt	W141142510 AWQS01000365 Actinobacteria Intrasporangium
3	96nt	W141143049 AWSA01000002 Actinobacteria Intrasporangium
Cluster 98933		
0	76nt	tRNA-Aeromonas_phage_phiAS5-Lys(ttt)
1	96nt	C11118132 CP002446 Gammaproteobacteria Pseudoxanthomonas
2	96nt	C151077912 CP011144 Gammaproteobacteria Pseudoxanthomonas
3	96nt	W131230617 AUHT01000010 Gammaproteobacteria Lysobacter
Cluster 99194		
0	76nt	tRNA-Agrobacterium_phage_Atu_ph07-Trp(cca)
1	96nt	C11122369 CP001841 Spirochaetes Treponema
Cluster 104234		
0	76nt	tRNA-Klebsiella_phage_KPV15-His(gtg)
1	96nt	C151101531 HG917868 Firmicutes Clostridium
Cluster 108267		
0	74nt	tRNA-Bacillus_phage_BCU4-Asp(gtc)
1	74nt	tRNA-Bacillus_phage_Deep_Blue-Asp(gtc)
2	96nt	W09131059 ACMZ01000145 Firmicutes Bacillus
3	96nt	W131186878 ARXZ01004211 Firmicutes Bacillus
4	96nt	W1610794029 LOMO01000001 Firmicutes Bacillus
Cluster 110204		
0	76nt	tRNA-Cronobacter_phage_CR3-Thr(tgt)
1	96nt	W11187313 CAEE01000349 Betaproteobacteria Chromobacterium
2	96nt	W121126948 CAEE01000349 Betaproteobacteria Chromobacterium
Cluster 111939		
0	73nt	tRNA-Bacillus_phage_Bcp1-Pro(tgg)
1	96nt	W131004066 AHCU01000068 Firmicutes Bacillus
2	96nt	W131004258 AHCW01000066 Firmicutes Bacillus
Cluster 111940		
0	75nt	tRNA-Bacillus_phage_PBC2-Asn(gtt)
1	96nt	W131004727 AHDZ01000070 Firmicutes Bacillus
Cluster 112773		
0	73nt	tRNA-Enterococcus_phage_EFDG1-Ala(tgc)
1	96nt	W131109850 APIS01000061 Firmicutes Salinibacillus
Cluster 114642		
0	76nt	tRNA-Streptomyces_phage_BRock-Thr(ggt)
1	96nt	W131179546 ARMM01000005 Actinobacteria Zimmermannella
Cluster 119675		
0	77nt	tRNA-Stenotrophomonas_phage_vB_SmaS-DLP_6-Pro(tgg)
1	96nt	W141167917 AXUN02000006 Firmicutes Youngiibacter
Cluster 123412		
0	76nt	tRNA-Pseudomonas_phage_C11-Cys(gca)

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1	76nt	tRNA-Pseudomonas_phage_PaP1-Cys(gca)
2	96nt	W141754979 JNWH01000027 Betaproteobacteria Delftia
3	96nt	W141755053 JNWI01000023 Betaproteobacteria Delftia
Cluster 123413		
0	78nt	tRNA-Pseudomonas_phage_C11-Asn(gtt)
1	76nt	tRNA-Pseudomonas_phage_JG004-Asn(gtt)
2	96nt	W141754980 JNWH01000027 Betaproteobacteria Delftia
3	96nt	W141755054 JNWI01000023 Betaproteobacteria Delftia
Cluster 123414		
0	76nt	tRNA-Pseudomonas_phage_C11-Gly(tcc)
1	96nt	W141754982 JNWH01000027 Betaproteobacteria Delftia
2	96nt	W141755056 JNWI01000023 Betaproteobacteria Delftia
Cluster 123415		
0	76nt	tRNA-Pseudomonas_phage_C11-Glu(ttc)
1	76nt	tRNA-Pseudomonas_phage_PaP1-Glu(ttc)
2	76nt	tRNA-Pseudomonas_phage_vB_PaeM_C2-10_Ab1-Glu(ttc)
3	96nt	W141754984 JNWH01000027 Betaproteobacteria Delftia
4	96nt	W141755058 JNWI01000023 Betaproteobacteria Delftia
Cluster 124683		
0	76nt	tRNA-Pseudomonas_phage_C11-Ile(gat)
1	76nt	tRNA-Pseudomonas_phage_JG004-Ile(gat)
2	76nt	tRNA-Pseudomonas_phage_PaP1-Ile(gat)
3	96nt	W143017841 JNWH01000027 Betaproteobacteria Delftia
4	96nt	W143017845 JNWI01000023 Betaproteobacteria Delftia
Cluster 125389		
0	74nt	tRNA-Mycobacterium_phage_Rey-Asn(gtt)
1	96nt	W1510545397 CSTU01000066 Actinobacteria Mycobacterium
2	96nt	W1510547779 CSVM01000001 Actinobacteria Mycobacterium
3	96nt	W1510548503 CSVY01000067 Actinobacteria Mycobacterium
Cluster 127479		
0	76nt	tRNA-Klebsiella_phage_JD18-Thr(tgt)
1	76nt	tRNA-Klebsiella_phage_vB_KpnM_KpV477-Thr(tgt)
2	96nt	W1511568117 LAIR01000002 Actinobacteria Luteipulveratus
Cluster 129516		
0	73nt	tRNA-Mycobacteriophage_Bxz1-Lys(ctt)
1	74nt	tRNA-Mycobacterium_phage_BeanWater-Lys(ctt)
2	96nt	W1511616702 LCOM01000012 Parcubacteria Parcubacteria
Cluster 132072		
0	76nt	tRNA-Enterobacter_phage_PG7-Thr(tgt)
1	96nt	W1610074267 BCWN01000019 Betaproteobacteria Castellaniella
Cluster 133046		
0	76nt	tRNA-Pseudomonas_phage_phiPsa374-Gly(tcc)
1	96nt	W1610521213 JJOE01000066 Gammaproteobacteria Pseudomonas

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Cluster 136783		
0	72nt	tRNA-Mycobacterium_phage_Myrna-?(Lys Stop)(tt)
1	96nt	W1610752717 LNDT01000028 Deltaproteobacteria Bdellovibrionales
Cluster 140608		
0	73nt	tRNA-Listeria_phage_List-36-Gln(ttg)
1	95nt	C002667 AP006627 Firmicutes Bacillus
2	95nt	C011683 AL592022 Firmicutes Listeria
3	95nt	C012185 AE017262 Firmicutes Listeria
Cluster 141221		
0	73nt	tRNA-Bacillus_phage_BCP78-Gln(ttg)
1	95nt	C013494 L43967 Tenericutes Mycoplasma
2	95nt	C013974 U00089 Tenericutes Mycoplasma
3	95nt	C10109517 CP002077 Tenericutes Mycoplasma
Cluster 141691		
0	75nt	tRNA-Serratia_phage_X20-Glu(ttc)
1	95nt	C022624 CP000377 Alphaproteobacteria Silicibacter
2	95nt	C022625 CP000377 Alphaproteobacteria Silicibacter
3	95nt	C161085274 CP015230 Alphaproteobacteria Ruegeria
Cluster 142108		
0	72nt	tRNA-Synechococcus_phage_S-PM2-Val(tac)
1	95nt	C08003964 CP000806 Cyanobacteria Cyanotheca
2	95nt	W11181455 AGJC01000005 Cyanobacteria Cyanotheca
3	95nt	w023474 AAXW01000075 Cyanobacteria Cyanotheca
Cluster 142868		
0	74nt	tRNA-Streptomyces_phage_BRock-Thr(tgt)
1	95nt	C10100660 AP011163 Alphaproteobacteria Acetobacter
2	95nt	C10100714 AP011121 Alphaproteobacteria Acetobacter
3	95nt	C10100771 AP011128 Alphaproteobacteria Acetobacter
Cluster 144983		
0	72nt	tRNA-Synechococcus_phage_S-PM2-Gly(tcc)
1	95nt	C131004519 CP003597 Cyanobacteria Chroococcidiopsis
2	95nt	W1511401774 JTJC01000084 Cyanobacteria Scytonema
Cluster 150333		
0	74nt	tRNA-Bacillus_cereus_bacteriophage_vB_BceM_Bc431v3-Asp(gtc)
1	95nt	W131004063 AHCU01000068 Firmicutes Bacillus
2	95nt	W131004255 AHCW01000066 Firmicutes Bacillus
Cluster 156045		
0	76nt	tRNA-Pseudomonas_phage_C11-Arg(tct)
1	75nt	tRNA-Pseudomonas_phage_JG004-Arg(tct)
2	75nt	tRNA-Pseudomonas_phage_PaP1-Arg(tct)
3	75nt	tRNA-Pseudomonas_phage_Zigelbrucke-Arg(tct)
4	95nt	W141754975 JNWH01000027 Betaproteobacteria Delftia
5	95nt	W141755049 JNWI01000023 Betaproteobacteria Delftia
Cluster 161518		

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0	74nt	tRNA-Lactobacillus_phage_LpeD-Asn(gtt)
1	95nt	W1610032431 AYZQ01000002 Firmicutes Lactobacillus
Cluster 162601		
0	75nt	tRNA-Pseudomonas_phage_phiPsa374-Cys(gca)
1	95nt	W1610521212 JJOE01000066 Gammaproteobacteria Pseudomonas
Cluster 164387		
0	75nt	tRNA-Synechococcus_phage_S-PM2-Glu(ttc)
1	95nt	W1610748196 LMYZ01000114 Chlorobi Chlorobi
Cluster 164817		
0	75nt	tRNA-Cronobacter_phage_vB_CsaM_GAP31-Arg(tct)
1	75nt	tRNA-Enterobacteria_phage_4MG-Arg(tct)
2	75nt	tRNA-Salmonella_phage_PVP-SE1-Arg(tct)
3	95nt	W1610856936 LQOE01000134 Firmicutes Lactococcus
Cluster 165337		
0	72nt	tRNA-Synechococcus_phage_S-CRM01-Pro(tgg)
1	95nt	W1610947072 LUZR01000002 Betaproteobacteria Burkholderiales
Cluster 170651		
0	71nt	tRNA-Bacillus_phage_Deep_Blue-His(gtg)
1	73nt	tRNA-Bacillus_phage_vB_BanS-Tsamsa-His(gtg)
2	94nt	W131004730 AHDZ01000070 Firmicutes Bacillus
Cluster 173292		
0	74nt	tRNA-Pseudomonas_phage_C11-Gln(ttg)
1	74nt	tRNA-Pseudomonas_phage_JG004-Gln(ttg)
2	94nt	W141754974 JNWH01000027 Betaproteobacteria Delftia
3	94nt	W141755048 JNWI01000023 Betaproteobacteria Delftia
Cluster 177637		
0	74nt	tRNA-Salmonella_phage_PVP-SE1-Cys(gca)
1	94nt	W1610856937 LQOE01000134 Firmicutes Lactococcus
