	k   k   k   k   k   k   k   k   k   k	Archaea; p Archaea; p Bacteria; p Bacteria; p Bacteria; p Bacteria; p	Euryarchaeota; Euryarchaeota; Acidobacteria; c Acidobacteria; c Acidobacteria; c Acidobacteria; c Acidobacteria; c	cMethanobacteria; oMethanobacteriales; fMethanobacteriaceae; gMethanobrevibacter cMethanobacteria; oMethanobacteriales; fMethanobacteriaceae; gMethanosphaera cThermoplasmata; oE2; f[Methanomassiliicoccaceae]; gMethanomassiliicoccusAcidobacteriia; oAcidobacteriales; fAcidobacteriaceae; gAcidobacteriia; oAcidobacteriales; fKoribacteraceae; gAcidobacteriia; oAcidobacteriales; fKoribacteraceae; gCandidatus KoribacterDA052; oEllin6513; f; gSolibacteres; oSolibacterales; fSolibacteraceae; g Solibacteres; oSolibacterales; fSolibacteraceae; g
	k   k   k   k   k   k   k   k   k   k	Bacteria; p	Acidobacteria; co_Actinobacteria; co_Actinobacteria	Solibacteres; oSolibacterales; fSolibacteraceae; gSolibacteres; oSolibacterales; fSolibacteraceae; gCandidatus Solibacter cAcidimicrobiia; oAcidimicrobiales; f; g cAcidimicrobiia; oAcidimicrobiales; flamiaceae; glamia cActinobacteria; oActinomycetales; f; g cActinobacteria; oActinomycetales; fActinomycetaceae; g cActinobacteria; oActinomycetales; fActinomycetaceae; gActinobaculum cActinobacteria; oActinomycetales; fActinomycetaceae; gActinomyces cActinobacteria; oActinomycetales; fActinomycetaceae; gArcanobacterium
	k   k   k   k   k   k   k   k   k   k	Bacteria; p	Actinobacteria; oActinobacteria; oActino	c_Actinobacteria; o_Actinomycetales; f_Actinomycetaceae; g_Mobiluncus c_Actinobacteria; o_Actinomycetales; f_Actinomycetaceae; g_N09 c_Actinobacteria; o_Actinomycetales; f_Actinomycetaceae; g_Varibaculum c_Actinobacteria; o_Actinomycetales; f_Brevibacteriaceae; g_Brevibacterium c_Actinobacteria; o_Actinomycetales; f_Cellulomonadaceae; g_Sediminihabitans c_Actinobacteria; o_Actinomycetales; f_Corynebacteriaceae; g_Corynebacterium c_Actinobacteria; o_Actinomycetales; f_Dermabacteraceae; g_Brachybacterium c_Actinobacteria; o_Actinomycetales; f_Dermabacteraceae; g_Dermabacter
	k <sub>2</sub>   k <sub>3</sub>   k <sub>4</sub>   k <sub>4</sub>   k <sub>4</sub>   k <sub>5</sub>   k <sub>4</sub>   k <sub>5</sub>   k <sub>4</sub>   k <sub>5</sub>   k <sub>5</sub>   k <sub>5</sub>   k <sub>6</sub>   k <sub>6</sub>   k <sub>6</sub>   k <sub>7</sub>   k <sub>7</sub>	Bacteria; p Bacteria; p Bacteria; p Bacteria; p Bacteria; p Bacteria; p	oActinobacteria; o oActinobacteria; o oActinobacteria; o oActinobacteria; o oActinobacteria; o oActinobacteria; o	cActinobacteria; oActinomycetales; fDermacoccaceae; gDermacoccus cActinobacteria; oActinomycetales; fDietziaceae; gDietzia cActinobacteria; oActinomycetales; fGeodermatophilaceae; gBlastococcus cActinobacteria; oActinomycetales; fIntrasporangiaceae; gKnoellia cActinobacteria; oActinomycetales; fMicrobacteriaceae; g cActinobacteria; oActinomycetales; fMicrobacteriaceae; gAgromyces cActinobacteria; oActinomycetales; fMicrobacteriaceae; gLeucobacter cActinobacteria; oActinomycetales; fMicrobacteriaceae; gMicrobacterium
	k   k   k   k   k   k   k   k   k   k	Bacteria; p Bacteria; p Bacteria; p Bacteria; p Bacteria; p Bacteria; p	Actinobacteria; o Actinobacteria; o Actinobacteria; o Actinobacteria; o Actinobacteria; o Actinobacteria; o Actinobacteria; o	cActinobacteria; oActinomycetales; fMicrobacteriaceae; gPseudoclavibacter cActinobacteria; oActinomycetales; fMicrococcaceae; g cActinobacteria; oActinomycetales; fMicrococcaceae; gKocuria cActinobacteria; oActinomycetales; fMicrococcaceae; gMicrococcus cActinobacteria; oActinomycetales; fMicrococcaceae; gNesterenkonia cActinobacteria; oActinomycetales; fMicrococcaceae; gRothia cActinobacteria; oActinomycetales; fMicrococcaceae; gRothia
	k   k   k   k   k   k   k   k   k   k	Bacteria; p Bacteria; p Bacteria; p Bacteria; p Bacteria; p Bacteria; p	Actinobacteria; co_Actinobacteria; co_Actinobacteri	Actinobacteria; oActinomycetales; fMicromonosporaceae; gMicromonospora  aActinobacteria; oActinomycetales; fMicromonosporaceae; gVerrucosispora  aActinobacteria; oActinomycetales; fMycobacteriaceae; gMycobacterium  aActinobacteria; oActinomycetales; fNocardioidaceae; g  aActinobacteria; oActinomycetales; fNocardioidaceae; g  aActinobacteria; oActinomycetales; fNocardioidaceae; g  aActinobacteria; oActinomycetales; fNocardiopsaceae; g  aActinobacteria; oActinomycetales; fNocardiopsaceae; g  aActinobacteria; oActinomycetales; fNocardiopsaceae; gNocardiopsis
	k   k   k   k   k   k   k   k   k   k	Bacteria; p	Actinobacteria; o Actinobacteria; o Actinobacteria; o Actinobacteria; o Actinobacteria; o Actinobacteria; o Actinobacteria; o Actinobacteria; o	cActinobacteria; oActinomycetales; fNocardiopsaceae; gPrauseria cActinobacteria; oActinomycetales; fPromicromonosporaceae; gCellulosimicrobium cActinobacteria; oActinomycetales; fPropionibacteriaceae; gPropionibacterium cActinobacteria; oActinomycetales; fSanguibacteraceae; gSanguibacter cActinobacteria; oActinomycetales; fSporichthyaceae; g cActinobacteria; oActinomycetales; fStreptomycetaceae; gStreptomyces cActinobacteria; oBifidobacteriales; fBifidobacteriaceae; g cActinobacteria; oBifidobacteriales; fBifidobacteriaceae; gAlloscardovia
	k   k   k   k   k   k   k   k   k   k	Bacteria; p	Actinobacteria; oActinobacteria; oActino	Actinobacteria; o Bifidobacteriales; f Bifidobacteriaceae; g Bifidobacterium  Actinobacteria; o Bifidobacteriales; f Bifidobacteriaceae; g Gardnerella  Actinobacteria; o Bifidobacteriales; f Bifidobacteriaceae; g Scardovia  Coriobacteriia; o Coriobacteriales; f Coriobacteriaceae; g Adlercreutzia  Coriobacteriia; o Coriobacteriales; f Coriobacteriaceae; g Atopobium  Coriobacteriia; o Coriobacteriales; f Coriobacteriaceae; g Collinsella
	k   k   k   k   k   k   k   k   k   k	Bacteria; p	Actinobacteria; o Actinobacteria; o Actinobacteria; o Actinobacteria; o Actinobacteria; o Bacteroidetes; o Bacteroidetes; o	c_Coriobacteriia; o_Coriobacteriales; f_Coriobacteriaceae; g_Eggerthella c_Coriobacteriia; o_Coriobacteriales; f_Coriobacteriaceae; g_Slackia c_Nitriliruptoria; o_Euzebyales; f_Euzebyaceae; g_Euzebya c_Thermoleophilia; o_Gaiellales; f_Gaiellaceae; g_ c_Thermoleophilia; o_Solirubrobacterales; f_; g_ c_Thermoleophilia; o_Solirubrobacterales; f_Conexibacteraceae; g_ Bacteroidia; o_Bacteroidales; f_; g_ Bacteroidia; o_Bacteroidales; f_Bacteroidaceae; g_5-7N15
	k   k   k   k   k   k   k   k   k   k	Bacteria; p	Bacteroidetes; combacteroidetes; combacteroidete	Bacteroidia; oBacteroidales; fBacteroidaceae; gBacteroidesBacteroidia; oBacteroidales; fPorphyromonadaceae; gPorphyromonasBacteroidia; oBacteroidales; fPorphyromonadaceae; gPorphyromonasBacteroidia; oBacteroidales; fPorphyromonadaceae; gPorphyromonasBacteroidia; oBacteroidales; fPorphyromonadaceae; gTannerellaBacteroidia; oBacteroidales; fPrevotellaceae; gBacteroidia; oBacteroidales; fPrevotellaceae; gPrevotellaBacteroidia; oBacteroidales; fRF16; gBacteroidia; oBacteroidales; fRF16; gBacteroidia; oBacteroidales; fRikenellaceae; g
	k   k   k   k   k   k   k   k   k   k	Bacteria; p Bacteria; p Bacteria; p Bacteria; p Bacteria; p Bacteria; p	Bacteroidetes; combacteroidetes; combacteroidete	
	k   k   k   k   k   k   k   k   k   k	Bacteria; p Bacteria; p Bacteria; p Bacteria; p Bacteria; p Bacteria; p	Bacteroidetes; combacteroidetes; combacteroidete	Bacteroidia; oBacteroidales; f[Paraprevotellaceae]; gCF231Bacteroidia; oBacteroidales; f[Paraprevotellaceae]; gParaprevotellaBacteroidia; oBacteroidales; f[Paraprevotellaceae]; gYRC22Bacteroidia; oBacteroidales; f[Paraprevotellaceae]; g[Prevotella]Cytophagia; oCytophagales; fCytophagaceae; gCytophagia; oCytophagales; fCytophagaceae; gEmticiciaCytophagia; oCytophagales; fCytophagaceae; gLeadbetterellaFlavobacteriia; oFlavobacteriales; fCryomorphaceae; gFluviicola
	k   k   k   k   k   k   k   k   k   k	Bacteria; p Bacteria; p Bacteria; p Bacteria; p Bacteria; p Bacteria; p	Bacteroidetes; combacteroidetes; combacteroidete	Flavobacteriia; oFlavobacteriales; fFlavobacteriaceae; gFlavobacteriia; oFlavobacteriales; fFlavobacteriaceae; gAequorivitaFlavobacteriia; oFlavobacteriales; fFlavobacteriaceae; gCapnocytophagaFlavobacteriia; oFlavobacteriales; fFlavobacteriaceae; gFlavobacteriumFlavobacteriia; oFlavobacteriales; fFlavobacteriaceae; gMyroidesFlavobacteriia; oFlavobacteriales; fFlavobacteriaceae; gSalinimicrobiumFlavobacteriia; oFlavobacteriales; f[Weeksellaceae]; gFlavobacteriia; oFlavobacteriales; f[Weeksellaceae]; gChryseobacterium
	k   k   k   k   k   k   k   k   k   k	Bacteria; p	Bacteroidetes; combacteroidetes; combacteroidete	Flavobacteriia; oFlavobacteriales; f[Weeksellaceae]; gCloacibacteriumFlavobacteriia; oFlavobacteriales; f[Weeksellaceae]; gWautersiellaFlavobacteriia; oFlavobacteriales; f[Weeksellaceae]; gWeeksellaSphingobacteriia; oSphingobacteriales; fSphingobacteriaceae; gSphingobacteriia; oSphingobacteriales; fSphingobacteriaceae; gPedobacterSphingobacteriia; oSphingobacteriales; fSphingobacteriaceae; gPedobacterSphingobacteriia; oSphingobacteriales; fSphingobacteriaceae; gSphingobacterium[Rhodothermi]; o[Rhodothermales]; f[Balneolaceae]; gKSA1
	k   k   k   k   k   k   k   k   k   k	Bacteria; p	Bacteroidetes; c Chloroflexi; c Chloroflexi; c Chloroflexi; c Chloroflexi; c Chloroflexi; c Cyanobacteria; c Cyanobacteria; c	[Saprospirae]; o[Saprospirales]; fChitinophagaceae; g[Saprospirae]; o[Saprospirales]; fChitinophagaceae; gSediminibacterium Anaerolineae; oAnaerolineales; fAnaerolinaceae; g Gitt-GS-136; o; f; g FK10; oAKYG885; f5B-12; g c4C0d-2; oYS2; f; g cChloroplast; oStreptophyta; f; g cOscillatoriophycideae; oOscillatoriales; fPhormidiaceae; gArthrospira
	k   k   k   k   k   k   k   k   k   k	Bacteria; p Bacteria; p Bacteria; p Bacteria; p Bacteria; p Bacteria; p	pFirmicutes; cE	Elusimicrobia; oElusimicrobiales; fElusimicrobiaceae; g Bacilli; oBacillales; f; g Bacilli; oBacillales; fAlicyclobacillaceae; gAlicyclobacillus Bacilli; oBacillales; fBacillaceae; gAnaerobacillus Bacilli; oBacillales; fBacillaceae; gAnoxybacillus Bacilli; oBacillales; fBacillaceae; gBacillus Bacilli; oBacillales; fBacillaceae; gGeobacillus Bacilli; oBacillales; fBacillaceae; gGeobacillus
	k   k   k   k   k   k   k   k   k   k	Bacteria; p Bacteria; p _Bacteria; p _Bacteria; p _Bacteria; p _Bacteria; p	pFirmicutes; cE pFirmicutes; cE pFirmicutes; cE pFirmicutes; cE pFirmicutes; cE pFirmicutes; cE	Bacilli; oBacillales; fBacillaceae; gGracilibacillus Bacilli; oBacillales; fBacillaceae; gOceanobacillus Bacilli; oBacillales; fBacillaceae; gPontibacillus Bacilli; oBacillales; fBacillaceae; gSalinibacillus Bacilli; oBacillales; fBacillaceae; gThalassobacillus Bacilli; oBacillales; fBacillaceae; gVirgibacillus Bacilli; oBacillales; fListeriaceae; gBrochothrix Bacilli; oBacillales; fListeriaceae; gListeria Bacilli; oBacillales; fListeriaceae; gBrovibacillus
	k   k   k   k   k   k   k   k   k   k	Bacteria; p	pFirmicutes; cE	Bacilli; oBacillales; fPaenibacillaceae; gPaenibacillus Bacilli; oBacillales; fPlanococcaceae; g Bacilli; oBacillales; fPlanococcaceae; gKurthia Bacilli; oBacillales; fPlanococcaceae; gLysinibacillus Bacilli; oBacillales; fPlanococcaceae; gPaenisporosarcina Bacilli; oBacillales; fPlanococcaceae; gPlanococcus Bacilli; oBacillales; fPlanococcaceae; gPlanomicrobium Bacilli; oBacillales; fPlanococcaceae; gRummeliibacillus
	k   k   k   k   k   k   k   k   k   k	Bacteria; p Bacteria; p Bacteria; p Bacteria; p Bacteria; p Bacteria; p	pFirmicutes; cE	Bacilli; o_Bacillales; f_Planococcaceae; g_Solibacillus Bacilli; o_Bacillales; f_Planococcaceae; g_Sporosarcina Bacilli; o_Bacillales; f_Planococcaceae; g_Viridibacillus Bacilli; o_Bacillales; f_Staphylococcaceae; g_Jeotgalicoccus Bacilli; o_Bacillales; f_Staphylococcaceae; g_Macrococcus Bacilli; o_Bacillales; f_Staphylococcaceae; g_Salinicoccus Bacilli; o_Bacillales; f_Staphylococcaceae; g_Staphylococcus Bacilli; o_Bacillales; f_Staphylococcaceae; g_Staphylococcus
	k   k   k   k   k   k   k   k   k   k	Bacteria; p Bacteria; p Bacteria; p Bacteria; p Bacteria; p Bacteria; p	pFirmicutes; cE pFirmicutes; cE pFirmicutes; cE pFirmicutes; cE pFirmicutes; cE pFirmicutes; cE	Bacilli; oBacillales; f[Exiguobacteraceae]; gExiguobacterium Bacilli; oBacillales; f[Thermicanaceae]; gThermicanus Bacilli; oGemellales; f; g Bacilli; oGemellales; fGemellaceae; g Bacilli; oLactobacillales; f; g Bacilli; oLactobacillales; fAerococcaceae; g Bacilli; oLactobacillales; fAerococcaceae; gAerococcus
	k   k   k   k   k   k   k   k   k   k	Bacteria; p Bacteria; p Bacteria; p Bacteria; p Bacteria; p Bacteria; p	pFirmicutes; cE pFirmicutes; cE pFirmicutes; cE pFirmicutes; cE pFirmicutes; cE pFirmicutes; cE	Bacilli; oLactobacillales; fAerococcaceae; gAlloiococcus Bacilli; oLactobacillales; fAerococcaceae; gFacklamia Bacilli; oLactobacillales; fCarnobacteriaceae; g Bacilli; oLactobacillales; fCarnobacteriaceae; gCarnobacterium Bacilli; oLactobacillales; fCarnobacteriaceae; gGranulicatella Bacilli; oLactobacillales; fEnterococcaceae; g Bacilli; oLactobacillales; fEnterococcaceae; gEnterococcus Bacilli; oLactobacillales; fEnterococcaceae; gMelissococcus
	k   k   k   k   k   k   k   k   k   k	Bacteria; p	pFirmicutes; cE	Bacilli; oLactobacillales; fEnterococcaceae; gVagococcus Bacilli; oLactobacillales; fLactobacillaceae; g Bacilli; oLactobacillales; fLactobacillaceae; gPediococcus Bacilli; oLactobacillales; fLeuconostocaceae; g Bacilli; oLactobacillales; fLeuconostocaceae; gLeuconostoc Bacilli; oLactobacillales; fLeuconostocaceae; gVeissella Bacilli; oLactobacillales; fStreptococcaceae; g
		Bacteria; p	pFirmicutes; cE pFirmicutes; cE pFirmicutes; cC pFirmicutes; cC pFirmicutes; cC pFirmicutes; cC pFirmicutes; cC	Bacilli; oLactobacillales; fStreptococcaceae; gLactococcus Bacilli; oLactobacillales; fStreptococcaceae; gStreptococcus Bacilli; oTuricibacterales; fTuricibacteraceae; gTuricibacter Clostridia; o; f; g Clostridia; oClostridiales; f; g Clostridia; oClostridiales; fChristensenellaceae; g Clostridia; oClostridiales; fChristensenellaceae; gChristensenella Clostridia; oClostridiales; fClostridiaceae; g Clostridia; oClostridiales; fClostridiaceae; gO2d06
	k   k   k   k   k   k   k   k   k   k	Bacteria; p	Firmicutes; c0	Clostridia; oClostridiales; fClostridiaceae; gClostridium Clostridia; oClostridiales; fClostridiaceae; gSMB53 Clostridia; oClostridiales; fClostridiaceae; gSarcina Clostridia; oClostridiales; fClostridiaceae; gThermoanaerobacterium Clostridia; oClostridiales; fDehalobacteriaceae; g Clostridia; oClostridiales; fDehalobacteriaceae; gDehalobacterium Clostridia; oClostridiales; fEtOH8; g Clostridia; oClostridiales; fEtOH8; g Clostridia; oClostridiales; fEubacteriaceae; gAnaerofustis
	k   k   k   k   k   k   k   k   k   k	Bacteria; p Bacteria; p Bacteria; p Bacteria; p Bacteria; p Bacteria; p	pFirmicutes; c0 pFirmicutes; c0 pFirmicutes; c0 pFirmicutes; c0 pFirmicutes; c0 pFirmicutes; c0	Clostridia; oClostridiales; fLachnospiraceae; gPseudoramibacter_Eubacterium Clostridia; oClostridiales; fLachnospiraceae; gAnaerostipes Clostridia; oClostridiales; fLachnospiraceae; gBlautia Clostridia; oClostridiales; fLachnospiraceae; gButyrivibrio Clostridia; oClostridiales; fLachnospiraceae; gCatonella Clostridia; oClostridiales; fLachnospiraceae; gClostridium Clostridia; oClostridiales; fLachnospiraceae; gCoprococcus
1.0	k   k   k   k   k   k   k   k   k   k	Bacteria; p Bacteria; p Bacteria; p Bacteria; p Bacteria; p Bacteria; p	pFirmicutes; c0 pFirmicutes; c0 pFirmicutes; c0 pFirmicutes; c0 pFirmicutes; c0 pFirmicutes; c0	Clostridia; oClostridiales; fLachnospiraceae; gDorea Clostridia; oClostridiales; fLachnospiraceae; gEpulopiscium Clostridia; oClostridiales; fLachnospiraceae; gLachnobacterium Clostridia; oClostridiales; fLachnospiraceae; gLachnospira Clostridia; oClostridiales; fLachnospiraceae; gMoryella Clostridia; oClostridiales; fLachnospiraceae; gOribacterium Clostridia; oClostridiales; fLachnospiraceae; gRobinsoniella Clostridia; oClostridiales; fLachnospiraceae; gRoseburia
0.8	k   k   k   k   k   k   k   k   k   k	Bacteria; p	pFirmicutes; c0 p_Firmicutes; c0 p_Firmicutes; c0 p_Firmicutes; c0 p_Firmicutes; c0 p_Firmicutes; c0 p_Firmicutes; c0	Clostridia; oClostridiales; fLachnospiraceae; gRuminococcus Clostridia; oClostridiales; fLachnospiraceae; gShuttleworthia Clostridia; oClostridiales; fLachnospiraceae; g[Ruminococcus] Clostridia; oClostridiales; fPeptococcaceae; g Clostridia; oClostridiales; fPeptococcaceae; gDesulfotomaculum Clostridia; oClostridiales; fPeptococcaceae; gPeptococcus Clostridia; oClostridiales; fPeptococcaceae; grc4-4 Clostridia; oClostridiales; fPeptostreptococcaceae; g
0.4	k   k   k   k   k   k   k   k   k   k	Bacteria; p Bacteria; p Bacteria; p Bacteria; p Bacteria; p Bacteria; p	pFirmicutes; c0 p_Firmicutes; c0 p_Firmicutes; c0 p_Firmicutes; c0 p_Firmicutes; c0 p_Firmicutes; c0 p_Firmicutes; c0	Clostridia; oClostridiales; fPeptostreptococcaceae; gClostridium Clostridia; oClostridiales; fPeptostreptococcaceae; gPeptostreptococcus Clostridia; oClostridiales; fPeptostreptococcaceae; gPeptostreptococcus Clostridia; oClostridiales; fPeptostreptococcaceae; g[Clostridium] Clostridia; oClostridiales; fRuminococcaceae; gAnaerotruncus Clostridia; oClostridiales; fRuminococcaceae; gButyricicoccus Clostridia; oClostridiales; fRuminococcaceae; gClostridium Clostridia; oClostridiales; fRuminococcaceae; gClostridium
Can Germanic	k   k   k   k   k   k   k   k   k   k	Bacteria; p Bacteria; p Bacteria; p Bacteria; p Bacteria; p Bacteria; p	pFirmicutes; c0 p_Firmicutes; c0 p_Firmicutes; c0 p_Firmicutes; c0 p_Firmicutes; c0 p_Firmicutes; c0 p_Firmicutes; c0	Clostridia; oClostridiales; fRuminococcaceae; gFaecalibacterium Clostridia; oClostridiales; fRuminococcaceae; gOscillospira Clostridia; oClostridiales; fRuminococcaceae; gRuminococcus Clostridia; oClostridiales; fVeillonellaceae; g Clostridia; oClostridiales; fVeillonellaceae; gAcidaminococcus Clostridia; oClostridiales; fVeillonellaceae; gAnaerovibrio Clostridia; oClostridiales; fVeillonellaceae; gDialister Clostridia; oClostridiales; fVeillonellaceae; gMegamonas Clostridia; oClostridiales; fVeillonellaceae; gMegamonas Clostridia; oClostridiales; fVeillonellaceae; gMegasphaera
African Ameri S Asian or Pacific Islan S Asian or Pacific Islan	k   k   k   k   k   k   k   k   k   k	Bacteria; p	pFirmicutes; c0 p_Firmicutes; c0 p_Firmicutes; c0 p_Firmicutes; c0 p_Firmicutes; c0 p_Firmicutes; c0 p_Firmicutes; c0	Clostridia; oClostridiales; fVeillonellaceae; gMitsuokella Clostridia; oClostridiales; fVeillonellaceae; gPectinatus Clostridia; oClostridiales; fVeillonellaceae; gPhascolarctobacterium Clostridia; oClostridiales; fVeillonellaceae; gSelenomonas Clostridia; oClostridiales; fVeillonellaceae; gSucciniclasticum Clostridia; oClostridiales; fVeillonellaceae; gVeillonella Clostridia; oClostridiales; f[Mogibacteriaceae]; g Clostridia; oClostridiales; f[Mogibacteriaceae]; gMogibacterium
	k   k   k   k   k   k   k   k   k   k	Bacteria; p	pFirmicutes; c0 p_Firmicutes; c0 p_Firmicutes; c0 p_Firmicutes; c0 p_Firmicutes; c0 p_Firmicutes; c0 p_Firmicutes; c0	Clostridia; oClostridiales; f[Tissierellaceae]; gClostridia; oClostridiales; f[Tissierellaceae]; gAnaerococcus Clostridia; oClostridiales; f[Tissierellaceae]; gFinegoldia Clostridia; oClostridiales; f[Tissierellaceae]; gGW-34 Clostridia; oClostridiales; f[Tissierellaceae]; gGallicola Clostridia; oClostridiales; f[Tissierellaceae]; gHelcococcus Clostridia; oClostridiales; f[Tissierellaceae]; gParvimonas
	k   k   k   k   k   k   k   k   k   k	Bacteria; p	pFirmicutes; c0 pFirmicutes; c0 pFirmicutes; c0 pFirmicutes; c0 pFirmicutes; cE pFirmicutes; cE pFirmicutes; cE	Clostridia; oClostridiales; f[Tissierellaceae]; gPeptoniphilus Clostridia; oClostridiales; f[Tissierellaceae]; gSedimentibacter Clostridia; oClostridiales; f[Tissierellaceae]; gWAL_1855D Clostridia; oClostridiales; f[Tissierellaceae]; gph2 Clostridia; oSHA-98; f; g Crysipelotrichi; oErysipelotrichales; fErysipelotrichaceae; g Crysipelotrichi; oErysipelotrichales; fErysipelotrichaceae; gAllobaculum Crysipelotrichi; oErysipelotrichales; fErysipelotrichaceae; gBulleidia Crysipelotrichi; oErysipelotrichales; fErysipelotrichaceae; gCatenibacterium
	k   k   k   k   k   k   k   k   k   k	Bacteria; p	pFirmicutes; cE	Erysipelotrichi; oErysipelotrichales; fErysipelotrichaceae; gCatenibacterium  Erysipelotrichi; oErysipelotrichales; fErysipelotrichaceae; gClostridium  Erysipelotrichi; oErysipelotrichales; fErysipelotrichaceae; gCoprobacillus  Erysipelotrichi; oErysipelotrichales; fErysipelotrichaceae; gHoldemania  Erysipelotrichi; oErysipelotrichales; fErysipelotrichaceae; gRFN20  Erysipelotrichi; oErysipelotrichales; fErysipelotrichaceae; g[Eubacterium]  Erysipelotrichi; oErysipelotrichales; fErysipelotrichaceae; gcc_115  Erysipelotrichi; oErysipelotrichales; fErysipelotrichaceae; gp-75-a5  _Fusobacteriia; o_Fusobacteriales; f_Fusobacteriaceae; gCetobacterium
		Bacteria; p	pFusobacteria; c_ pFusobacteria; c_ pFusobacteria; c_ pGemmatimonad pLentisphaerae; c pLentisphaerae; c pLentisphaerae; c	
	k   k   k   k   k   k   k   k   k   k	Bacteria; p Bacteria; p Bacteria; p Bacteria; p Bacteria; p Bacteria; p	Proteobacteria;  Proteobacteria;  Proteobacteria;  Proteobacteria;  Proteobacteria;  Proteobacteria;	cAlphaproteobacteria; oBD7-3; f; g cAlphaproteobacteria; oCaulobacterales; f; g cAlphaproteobacteria; oCaulobacterales; fCaulobacteraceae; g cAlphaproteobacteria; oCaulobacterales; fCaulobacteraceae; gBrevundimonas cAlphaproteobacteria; oCaulobacterales; fCaulobacteraceae; gMycoplana cAlphaproteobacteria; oCaulobacterales; fCaulobacteraceae; gPhenylobacterium cAlphaproteobacteria; oRF32; f; g cAlphaproteobacteria; oRhizobiales; f; g
	k   k   k   k   k   k   k   k   k   k	Bacteria; p Bacteria; p Bacteria; p Bacteria; p Bacteria; p Bacteria; p	Proteobacteria;  Proteobacteria;  Proteobacteria;  Proteobacteria;  Proteobacteria;  Proteobacteria;	cAlphaproteobacteria; oRhizobiales; fAurantimonadaceae; gAurantimonas cAlphaproteobacteria; oRhizobiales; fBradyrhizobiaceae; g cAlphaproteobacteria; oRhizobiales; fBradyrhizobiaceae; gBosea cAlphaproteobacteria; oRhizobiales; fBrucellaceae; g cAlphaproteobacteria; oRhizobiales; fBrucellaceae; gOchrobactrum cAlphaproteobacteria; oRhizobiales; fBrucellaceae; gPseudochrobactrum cAlphaproteobacteria; oRhizobiales; fHyphomicrobiaceae; gDevosia cAlphaproteobacteria; oRhizobiales; fHyphomicrobiaceae; gHyphomicrobium
	k   k   k   k   k   k   k   k   k   k	Bacteria; p Bacteria; p Bacteria; p Bacteria; p Bacteria; p Bacteria; p	Proteobacteria;  Proteobacteria;  Proteobacteria;  Proteobacteria;  Proteobacteria;  Proteobacteria;	cAlphaproteobacteria; oRhizobiales; fHyphomicrobiaceae; gRhodoplanes cAlphaproteobacteria; oRhizobiales; fMethylobacteriaceae; gMethylobacterium cAlphaproteobacteria; oRhizobiales; fMethylocystaceae; g cAlphaproteobacteria; oRhizobiales; fMethylocystaceae; g cAlphaproteobacteria; oRhizobiales; fMethylocystaceae; gMethylosinus cAlphaproteobacteria; oRhizobiales; fPhyllobacteriaceae; g cAlphaproteobacteria; oRhizobiales; fPhyllobacteriaceae; gMesorhizobium cAlphaproteobacteria; oRhizobiales; fPhyllobacteriaceae; gPhyllobacterium
	k   k   k   k   k   k   k   k   k   k	Bacteria; p	Proteobacteria; Description Proteobacteria; Description Proteobacteria; Description Proteobacteria; Description Proteobacteria; Description Proteobacteria; Description Proteobacteria;	cAlphaproteobacteria; oRhizobiales; fRhizobiaceae; g cAlphaproteobacteria; oRhizobiales; fRhizobiaceae; gAgrobacterium cAlphaproteobacteria; oRhizobiales; fRhizobiaceae; gRhizobium cAlphaproteobacteria; oRhodobacterales; fRhodobacteraceae; g cAlphaproteobacteria; oRhodobacterales; fRhodobacteraceae; gParacoccus cAlphaproteobacteria; oRhodobacterales; fRhodobacteraceae; gRhodobacter cAlphaproteobacteria; oRhodobacterales; fRhodobacteraceae; gRubellimicrobium cAlphaproteobacteria; oRhodospirillales; fAcetobacteraceae; gAcetobacter cAlphaproteobacteria; oRhodospirillales; fAcetobacteraceae; gGluconacetobacter
	k   k   k   k   k   k   k   k   k   k	Bacteria; p	Proteobacteria;  Proteobacteria;  Proteobacteria;  Proteobacteria;  Proteobacteria;  Proteobacteria;  Proteobacteria;	cAlphaproteobacteria; oRhodospirillales; fRhodospirillaceae; g cAlphaproteobacteria; oRhodospirillales; fRhodospirillaceae; gAzospirillum cAlphaproteobacteria; oRickettsiales; f; g cAlphaproteobacteria; oRickettsiales; fRickettsiaceae; gWolbachia cAlphaproteobacteria; oRickettsiales; fmitochondria; gAcanthamoeba cAlphaproteobacteria; oRickettsiales; fmitochondria; gCarludovica cAlphaproteobacteria; oRickettsiales; fmitochondria; gGyrocarpus cAlphaproteobacteria; oRickettsiales; fmitochondria; gLupinus
	k   k   k   k   k   k   k   k   k   k	Bacteria; p Bacteria; p Bacteria; p Bacteria; p Bacteria; p Bacteria; p	Proteobacteria;  Proteobacteria;  Proteobacteria;  Proteobacteria;  Proteobacteria;  Proteobacteria;	cAlphaproteobacteria; oRickettsiales; fmitochondria; gRaphanus cAlphaproteobacteria; oRickettsiales; fmitochondria; gSarcandra cAlphaproteobacteria; oSphingomonadales; fErythrobacteraceae; gErythrobacter cAlphaproteobacteria; oSphingomonadales; fSphingomonadaceae; g cAlphaproteobacteria; oSphingomonadales; fSphingomonadaceae; gKaistobacter cAlphaproteobacteria; oSphingomonadales; fSphingomonadaceae; gNovosphingobium cAlphaproteobacteria; oSphingomonadales; fSphingomonadaceae; gSphingobium cAlphaproteobacteria; oSphingomonadales; fSphingomonadaceae; gSphingomonas
	k   k   k   k   k   k   k   k   k   k	Bacteria; p	Proteobacteria;  Proteobacteria;  Proteobacteria;  Proteobacteria;  Proteobacteria;  Proteobacteria;  Proteobacteria;	cAlphaproteobacteria; oSphingomonadales; fSphingomonadaceae; gSphingopyxis cBetaproteobacteria; o; f; g cBetaproteobacteria; oBurkholderiales; f; g cBetaproteobacteria; oBurkholderiales; fAlcaligenaceae; gAchromobacter cBetaproteobacteria; oBurkholderiales; fAlcaligenaceae; gOligella cBetaproteobacteria; oBurkholderiales; fAlcaligenaceae; gPigmentiphaga cBetaproteobacteria; oBurkholderiales; fAlcaligenaceae; gPigmentiphaga
	k   k   k   k   k   k   k   k   k   k	Bacteria; p	Proteobacteria; Description Proteobacteria; Description Proteobacteria; Description Proteobacteria; Description Proteobacteria; Description Proteobacteria; Description Proteobacteria;	cBetaproteobacteria; oBurkholderiales; fAlcaligenaceae; gRhodospirillum cBetaproteobacteria; oBurkholderiales; fAlcaligenaceae; gSutterella cBetaproteobacteria; oBurkholderiales; fAlcaligenaceae; gTetrathiobacter cBetaproteobacteria; oBurkholderiales; fBurkholderiaceae; gBurkholderia cBetaproteobacteria; oBurkholderiales; fBurkholderiaceae; gLautropia cBetaproteobacteria; oBurkholderiales; fBurkholderiaceae; gSalinispora cBetaproteobacteria; oBurkholderiales; fComamonadaceae; g cBetaproteobacteria; oBurkholderiales; fComamonadaceae; gAcidovorax cBetaproteobacteria; oBurkholderiales; fComamonadaceae; gAlicycliphilus
	k   k   k   k   k   k   k   k   k   k	Bacteria; p	Proteobacteria; Description Proteobacteria; Description Proteobacteria; Description Proteobacteria; Description Proteobacteria; Description Proteobacteria; Description Proteobacteria;	Betaproteobacteria; oBurkholderiales; fComamonadaceae; gComamonas cBetaproteobacteria; oBurkholderiales; fComamonadaceae; gDelftia cBetaproteobacteria; oBurkholderiales; fComamonadaceae; gLeptothrix cBetaproteobacteria; oBurkholderiales; fComamonadaceae; gLimnobacter cBetaproteobacteria; oBurkholderiales; fComamonadaceae; gLimnohabitans cBetaproteobacteria; oBurkholderiales; fComamonadaceae; gMethylibium cBetaproteobacteria; oBurkholderiales; fComamonadaceae; gMitsuaria
	k   k   k   k   k   k   k   k   k   k	Bacteria; p	pProteobacteria; pProteobacteria; pProteobacteria; pProteobacteria; pProteobacteria; pProteobacteria; pProteobacteria;	Betaproteobacteria; oBurkholderiales; fComamonadaceae; gPolaromonas cBetaproteobacteria; oBurkholderiales; fComamonadaceae; gRamlibacter cBetaproteobacteria; oBurkholderiales; fComamonadaceae; gRhodoferax cBetaproteobacteria; oBurkholderiales; fComamonadaceae; gRoseateles cBetaproteobacteria; oBurkholderiales; fComamonadaceae; gRubrivivax cBetaproteobacteria; oBurkholderiales; fComamonadaceae; gSchlegelella cBetaproteobacteria; oBurkholderiales; fComamonadaceae; gVariovorax cBetaproteobacteria; oBurkholderiales; fComamonadaceae; gXenophilus
	k   k   k   k   k   k   k   k   k   k	Bacteria; p	Proteobacteria;  Proteobacteria;  Proteobacteria;  Proteobacteria;  Proteobacteria;  Proteobacteria;  Proteobacteria;	cBetaproteobacteria; oBurkholderiales; fOxalobacteraceae; gCollimonas cBetaproteobacteria; oBurkholderiales; fOxalobacteraceae; gCupriavidus cBetaproteobacteria; oBurkholderiales; fOxalobacteraceae; gHerbaspirillum cBetaproteobacteria; oBurkholderiales; fOxalobacteraceae; gHerminiimonas cBetaproteobacteria; oBurkholderiales; fOxalobacteraceae; gOxalobacter cBetaproteobacteria; oBurkholderiales; fOxalobacteraceae; gRalstonia cBetaproteobacteria; oBurkholderiales; fOxalobacteraceae; gRalstonia cBetaproteobacteria; oMethylophilales; fMethylophilaceae; gMethylobacillus cBetaproteobacteria; oMethylophilales; fMethylophilaceae; gMethylotenera
	k   k   k   k   k   k   k   k   k   k	Bacteria; p	Proteobacteria;  Proteobacteria;  Proteobacteria;  Proteobacteria;  Proteobacteria;  Proteobacteria;  Proteobacteria;	Betaproteobacteria; oNeisseriales; fNeisseriaceae; g  Betaproteobacteria; oNeisseriales; fNeisseriaceae; gConchiformibius  Betaproteobacteria; oNeisseriales; fNeisseriaceae; gEikenella  Betaproteobacteria; oNeisseriales; fNeisseriaceae; gKingella  Betaproteobacteria; oNeisseriales; fNeisseriaceae; gNeisseria  Betaproteobacteria; oRhodocyclales; fRhodocyclaceae; g  Betaproteobacteria; oRhodocyclales; fRhodocyclaceae; gAzospira  Betaproteobacteria; oRhodocyclales; fRhodocyclaceae; gDechloromonas
	k   k   k   k   k   k   k   k   k   k	Bacteria; p Bacteria; p Bacteria; p Bacteria; p Bacteria; p Bacteria; p	Proteobacteria;  Proteobacteria;  Proteobacteria;  Proteobacteria;  Proteobacteria;  Proteobacteria;	Betaproteobacteria; oRhodocyclales; fRhodocyclaceae; gGeorgfuchsia cBetaproteobacteria; oRhodocyclales; fRhodocyclaceae; gMethyloversatilis cBetaproteobacteria; oRhodocyclales; fRhodocyclaceae; gPetrobacter cBetaproteobacteria; oRhodocyclales; fRhodocyclaceae; gThauera cBetaproteobacteria; oRhodocyclales; fRhodocyclaceae; gZoogloea cDeltaproteobacteria; oBPC076; f; g cDeltaproteobacteria; oBdellovibrionales; fBacteriovoracaceae; gBdellovibrio cDeltaproteobacteria; oBdellovibrionales; fBdellovibrionaceae; gBdellovibrio
	k   k   k   k   k   k   k   k   k   k	Bacteria; p Bacteria; p Bacteria; p Bacteria; p Bacteria; p Bacteria; p	pProteobacteria; pProteobacteria; pProteobacteria; pProteobacteria; pProteobacteria; pProteobacteria; pProteobacteria;	CDeltaproteobacteria; oDesulfobacterales; fDesulfobulbaceae; g CDeltaproteobacteria; oDesulfovibrionales; fDesulfovibrionaceae; gBilophila CDeltaproteobacteria; oDesulfovibrionales; fDesulfovibrionaceae; gDesulfovibrio CDeltaproteobacteria; oDesulfuromonadales; fGeobacteraceae; gGeobacter CDeltaproteobacteria; oGMD14H09; f; g CDeltaproteobacteria; oMyxococcales; f0319-6G20; g CDeltaproteobacteria; oMyxococcales; fMyxococcaceae; gMyxococcus
	k   k   k   k   k   k   k   k   k   k	Bacteria; p	Proteobacteria;  Proteobacteria;  Proteobacteria;  Proteobacteria;  Proteobacteria;  Proteobacteria;  Proteobacteria;	cEpsilonproteobacteria; oCampylobacterales; fCampylobacteraceae; gCampylobacter cEpsilonproteobacteria; oCampylobacterales; fHelicobacteraceae; gHelicobacter cGammaproteobacteria; oAeromonadales; fAeromonadaceae; g cGammaproteobacteria; oAeromonadales; fSuccinivibrionaceae; gSuccinatimonas cGammaproteobacteria; oAeromonadales; fSuccinivibrionaceae; gSuccinivibrio cGammaproteobacteria; oAlteromonadales; fShewanellaceae; g cGammaproteobacteria; oAlteromonadales; fShewanellaceae; gShewanella cGammaproteobacteria; oCardiobacteriales; fCardiobacteriaceae; gCardiobacterium
	k   k   k   k   k   k   k   k   k   k	Bacteria; p	Proteobacteria;  Proteobacteria;  Proteobacteria;  Proteobacteria;  Proteobacteria;  Proteobacteria;  Proteobacteria;  Proteobacteria;	CGammaproteobacteria; oChromatiales; fEctothiorhodospiraceae; g CGammaproteobacteria; oEnterobacteriales; fEnterobacteriaceae; g CGammaproteobacteria; oEnterobacteriales; fEnterobacteriaceae; gAquamonas CGammaproteobacteria; oEnterobacteriales; fEnterobacteriaceae; gEnterobacter CGammaproteobacteria; oEnterobacteriales; fEnterobacteriaceae; gErwinia CGammaproteobacteria; oEnterobacteriales; fEnterobacteriaceae; gEscherichia CGammaproteobacteria; oEnterobacteriales; fEnterobacteriaceae; gKlebsiella CGammaproteobacteria; oEnterobacteriales; fEnterobacteriaceae; gLeminorella
	k   k   k   k   k   k   k   k   k   k	Bacteria; p	Proteobacteria;  Proteobacteria;  Proteobacteria;  Proteobacteria;  Proteobacteria;  Proteobacteria;  Proteobacteria;  Proteobacteria;	C_Gammaproteobacteria; o_Enterobacteriales; f_Enterobacteriaceae; g_Morganella C_Gammaproteobacteria; o_Enterobacteriales; f_Enterobacteriaceae; g_Pantoea C_Gammaproteobacteria; o_Enterobacteriales; f_Enterobacteriaceae; g_Plesiomonas C_Gammaproteobacteria; o_Enterobacteriales; f_Enterobacteriaceae; g_Pragia C_Gammaproteobacteria; o_Enterobacteriales; f_Enterobacteriaceae; g_Proteus C_Gammaproteobacteria; o_Enterobacteriales; f_Enterobacteriaceae; g_Providencia C_Gammaproteobacteria; o_Enterobacteriales; f_Enterobacteriaceae; g_Rahnella C_Gammaproteobacteria; o_Enterobacteriales; f_Enterobacteriaceae; g_Raoultella C_Gammaproteobacteria; o_Enterobacteriales; f_Enterobacteriaceae; g_Salmonella
	k   k   k   k   k   k   k   k   k   k	Bacteria; p	Proteobacteria;  Proteobacteria;  Proteobacteria;  Proteobacteria;  Proteobacteria;  Proteobacteria;  Proteobacteria;  Proteobacteria;	— · · · · · · · · · · · · · · · · · · ·
	k   k   k   k   k   k   k   k   k   k	Bacteria; p	Proteobacteria;  Proteobacteria;  Proteobacteria;  Proteobacteria;  Proteobacteria;  Proteobacteria;  Proteobacteria;	Gammaproteobacteria; oOceanospirillales; fSaccharospirillaceae; gSaccharospirillum CGammaproteobacteria; oPasteurellales; f; g CGammaproteobacteria; oPasteurellales; fPasteurellaceae; gActinobacillus CGammaproteobacteria; oPasteurellales; fPasteurellaceae; gAggregatibacter CGammaproteobacteria; oPasteurellales; fPasteurellaceae; gHaemophilus CGammaproteobacteria; oPseudomonadales; fMoraxellaceae; gAcinetobacter CGammaproteobacteria; oPseudomonadales; fMoraxellaceae; gAcinetobacter CGammaproteobacteria; oPseudomonadales; fMoraxellaceae; gEnhydrobacter
	k   k   k   k   k   k   k   k   k   k	Bacteria; p	Proteobacteria;  Proteobacteria;  Proteobacteria;  Proteobacteria;  Proteobacteria;  Proteobacteria;  Proteobacteria;  Proteobacteria;	Gammaproteobacteria; oPseudomonadales; fMoraxellaceae; gPsychrobacter CGammaproteobacteria; oPseudomonadales; fPseudomonadaceae; g CGammaproteobacteria; oPseudomonadales; fPseudomonadaceae; gPseudomonas CGammaproteobacteria; oVibrionales; fPseudoalteromonadaceae; gPseudoalteromonas CGammaproteobacteria; oVibrionales; fVibrionaceae; gAliivibrio CGammaproteobacteria; oXanthomonadales; fSinobacteraceae; g CGammaproteobacteria; oXanthomonadales; fXanthomonadaceae; g CGammaproteobacteria; oXanthomonadales; fXanthomonadaceae; g
	k   k   k   k   k   k   k   k   k   k	Bacteria; p	Proteobacteria;  Proteobacteria;  Proteobacteria;  Proteobacteria;  Proteobacteria;  SR1; c; o; foSpirochaetes; c_	Gammaproteobacteria; oXanthomonadales; fXanthomonadaceae; gDokdonella CGammaproteobacteria; oXanthomonadales; fXanthomonadaceae; gDyella CGammaproteobacteria; oXanthomonadales; fXanthomonadaceae; gLuteimonas CGammaproteobacteria; oXanthomonadales; fXanthomonadaceae; gPseudoxanthomonas CGammaproteobacteria; oXanthomonadales; fXanthomonadaceae; gStenotrophomonas
	k   k   k   k   k   k   k   k   k   k	Bacteria; p	Spirochaetes; c Synergistetes; c Synergistetes; c Synergistetes; c Synergistetes; c Synergistetes; c TM7; cTM7-3	_[Brachyspirae]; o[Brachyspirales]; fBrachyspiraceae; gBrachyspira _Synergistia; oSynergistales; fDethiosulfovibrionaceae; gJonquetella _Synergistia; oSynergistales; fDethiosulfovibrionaceae; gPyramidobacter _Synergistia; oSynergistales; fSynergistaceae; gSynergistia; oSynergistales; fSynergistaceae; gCloacibacillus _Synergistia; oSynergistales; fSynergistaceae; gSynergistes _co; f; gcoCW040; f; g
	k   k   k   k   k   k   k   k   k   k	Bacteria; p Bacteria; p Bacteria; p Bacteria; p Bacteria; p Bacteria; p Bacteria; p	Tenericutes; c	Mollicutes; oAnaeroplasmatales; fAnaeroplasmataceae; g Mollicutes; oAnaeroplasmatales; fAnaeroplasmataceae; gAnaeroplasma  Mollicutes; oMycoplasmatales; fMycoplasmataceae; gUreaplasma  Mollicutes; oMycoplasmatales; fMycoplasmataceae; gUreaplasma  Mollicutes; oRF39; f; g  RF3; oML615J-28; f; g  ; cOpitutae; o[Cerasicoccales]; f[Cerasicoccaceae]; g  ; cVerruco-5; oWCHB1-41; fRFP12; g
	k_	Bacteria; p Bacteria; p Bacteria; p	oVerrucomicrobia oVerrucomicrobia oVerrucomicrobia	; cVerrucomicrobiae; oVerrucomicrobiales; fVerrucomicrobiaceae; gAkkermansia ; c[Spartobacteria]; o[Chthoniobacterales]; f[Chthoniobacteraceae]; gCandidatus Xiphinematobacter ; c[Spartobacteria]; o[Chthoniobacterales]; f[Chthoniobacteraceae]; gDA101 inococci; oDeinococcales; fDeinococcaceae; gDeinococcus