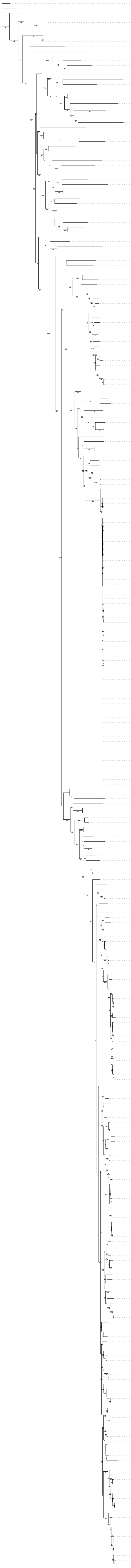


Tree scale: 1



- Vicinamibacteraceae bacterium MCL4814655.1  
Acidobacteriota bacterium PYQ96748.1  
Holophaga foetida WP 005036852.1  
Candidatus Methyloacidithermus pantelleriae WP 174581847.1  
Chloroflexi bacterium MCB0215659.1  
Caldilineae bacterium MCB9175737.1  
Escherichia coli NP 415348.1  
Shigella flexneri NP 706704.1  
Shigella boydii WP 000397381.1  
Verrucomicrobiota bacterium PYJ86066.1  
Halalkalibaculum roseum WP 165138026.1  
Chrysiogenales bacterium TFG97947.1  
Fibrobacteria bacterium MBF0430735.1  
Pontiella desulfatans WP 136081041.1  
Chitinivibrionales bacterium MBD3320840.1  
Fusobacterium ulcerans WP 005976875.1  
Campylobacter jejuni YP 002344264.1  
Athalassotoga saccharophila WP 161848598.1  
Thalassoroseus pseudoceratinae WP 166831624.1  
Thermanaerotherix daxensis WP 054520955.1  
Candidatus Atribacteria bacterium 457276 OQY41134.1  
Aminobacterium colombiense WP 013048225.1  
Mycoplasmata bacterium QVK20791.1  
Candidatus Izimiplasma MCK5761990.1  
Coprothermobacter proteolyticus WP 012543960.1  
Caldisericum exile WP 014453380.1  
Mycobacterium tuberculosis H37Rv YP 177776.1  
Deinococcus apachensis WP 019587512.1  
Neohortea acidophila KAF2484867.1  
Aspergillus nidulans XP 682307.1  
Rhodothermus profundus WP 072716031.1  
Elusimicrobia bacterium MB4376956.1  
Holophaga foetida WP 005031626.1  
Lentisphaera araneosa WP 007281059.1  
Chloroherpeton thalassium WP 012499416.1  
Calditrix abyssii WP 006930093.1  
Calditrichota bacterium KAA3602815.1  
Thermocrinis jamiesonii WP 029551304.1  
Deferribacter desulfuricans WP 013008298.1  
Melioid bacterium roseus WP 014855757.1  
Chlorobi bacterium MBL032593.1  
Nitrospina  
Dehalococcoidia bacterium MCL0048746.1  
Nitrospira defluvii WP 213042230.1  
Longimicrobium terrae WP 170039357.1  
Syntrophotalea acetylenivorans WP 072282353.1  
Desulfurispira natronophila WP 183733636.1  
Syntrophotalea acetylenivorans WP 072284311.1  
Anaeromyxobacter oryzae WP 248354505.1  
Candidatus Atribacteria bacterium MBE3118659.1  
Armatimonas rosea WP 184199772.1  
Anaeromyxobacter oryzae WP 248355676.1  
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Thecamonas trahens XP 013754403.1  
Symbiodinium necroappetens CAE7933396.1  
Reticulomyxa filosa ETO18335.1  
Tribonema minus KAG5179608.1  
Rhizopus arrhizus KAG1074379.1  
Hesseltinella vesiculosa ORX54454.1  
Geotrichum candidum KAF5108556.1  
Thielaviopsis punctulata KKA29913.1  
Neurospora crassa XP 011394325.1  
Ustilaginoides virens XP 042994323.1  
Lecanicillium sp KAK3182382.1  
Beauveria bassiana XP 008598513.1  
Aspergillus nidulans XP 661382.1  
Tothia fuscella KAF2432630.1  
Saccharata proteae CBS 121410 KAF2083731.1  
Diplodia corticola XP 020135528.1  
Aureobasidium pullulans XP 029761459.1  
Aureobasidium melanogenum KEQ59529.1  
Bogoriella megaspora KAJ9713140.1  
Neohortea acidophila KAF2488123.1  
Baudoinia panamericana XP 007680954.1  
Friedmanniomyces endolithicus KAK0311547.1  
Elasticomyces elasticus KAK4965893.1  
Zasmidium cellare ATCC 36951 XP 033665687.1  
Septoria linicola USW56976.1  
Pseudocercospora musae KXT07929.1  
Pseudocercospora fuliginea KAF7196685.1  
Pseudocercospora eumusae KXS99726.1  
Trichuris trichiura CDW51849.1  
Caenorhabditis elegans NP 509700.2  
Exocentrus adpersus KAJ8922790.1  
Aromia moschata KAJ8937396.1  
Drosophila melanogaster NP 726659.1  
Bradysia odoriphaga KAGA4076195.1  
Venturia canescens XP 043284622.1  
Aphidius gifuensis XP 044008610.1  
Osmia bicornis bicornis XP 029040615.1  
Eufriesea mexicana XP 017757998.1  
Nymphon striatum KAG1655538.1  
Ephemera danica KAF4523361.1  
Homarus americanus XP 042227812.1  
Eriocheir sinensis XP 050734795.1  
Capitella teleta ELT95068.1  
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Mya arenaria XP 052767335.1  
Ylistrum balloti XP 060074353.1  
Pinctada imbricata KAK3092834.1  
Haliotis rufescens XP 046338115.2  
Haliotis rubra XP 046575609.1  
Sebastes umbrinosus XP 037652376.1  
Danio rerio XP 021324016.1  
Esox lucius XP 010880835.1  
Neolamprologus brichardi XP 006792662.1  
Hippocampus comes XP 019723515.1  
Acipenser ruthenus XP 033892019.1  
Carcharodon carcharias XP 041070724.1  
Xenopus laevis XP 041430143.1  
Rana temporaria XP 040189231.1  
Bufo gargarizans XP 044127570.1  
Spheniscus magellanicus KAF1396814.1  
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Varanus komodoensis XP 044292420.1  
Python bivittatus XP 025020029.1  
Crotales tigris XP 039182836.1  
Corvus cornix XP 039408376.1  
Oxyura jamaicensis XP 035182791.1  
Hippopotamus amphibius XP 057588158.1  
Grus americana XP 054682326.1  
Gallus gallus NP 001026720.3  
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Anas platyrhynchos XP 027314587.1  
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Papio anubis XP 031524977.1  
Gorilla gorilla XP 030857839.1  
Meriones unguiculatus XP 021506853.1  
Amazona guildingii NXK72529.1  
Haliaeetus albicilla XP 009910881.1  
Rattus norvegicus NP 074056.2  
Mus musculus XP 006515970.1  
Marmota marmota marmota XP 048654493.1  
Bubalus bubalis XP 025151126.1  
Manis javanica XP 036861839.1  
Jaculus jaculus XP 045010627.1  
Ochotona princeps XP 004584524.1  
Anser cygnoides XP 047936569.1  
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Cervus elaphus XP 043774749.1  
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Canis lupus dingo XP 025299999.1  
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Felis catus XP 011281585.1  
Panthera leo XP 042799475.1  
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Anthoceros agrestis AagrBONN evm.model.Sc2ySwM 228.3025.1  
Physcomitrium patens Pp3c14 4050V3.1  
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Diphasterium complanatum Dicom.07G125800.3  
Ceratopteris richardii CeriC.12G005300.1  
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Picea abies PAB00006859.1  
Ginkgo biloba GB100000636  
Amborella trichopoda evm 27.model.AmTr v1.0 scaffold00163.5  
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Allium sativum CM031529.1.g69000.t1  
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Musa troglodytarum Matr10 g18551.2  
Musa balbisiana Mba11 g13240.1.v1.1  
Ananas comosus Aco004540.1  
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Pharus latifolius Phala.06G262000.1  
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Panicum hallii Pahal.7G325300.1  
Urochloa fusca Urofu.7G315500.1  
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Setaria italica Seit.3G025900.1  
Papaver somniferum RZC69350  
Macadamia integrifolia rna-XM 042664515.1  
Panax ginseng Pg S2749.21  
Daucus carota DCAR 000741  
Primula veris pveT Jg12435.t1  
Eucommia ulmoides lcl CM028325.1.g54.t1  
Vaccinium darrowii Vadar g5891.t1  
Actinidia chinensis Acc26193.1  
Petunia hybrida TRINITY DN231463 c3 g1 i29  
Solanum tuberosum Soltu.DM.01G005940.1  
Solanum melongena SMLU.000g050390.1.01  
Lactuca sativa Lsat 1 v5 gn 2 37520.1  
Helianthus annuus HsanXRCChr06g0180651  
Coffea arabica lcl NC 039898.1 cds XP 027105046.1 1124  
Catharanthus roseus rna-gnlWGS JAMLDZEVHM0018936.1  
Olea europaea Oeu051504.1  
Fraxinus excelsior FraEX38873 v2 000231150.1  
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Eutrema salsugineum TThalv10012894m  
Capsella grandiflora Cagra.10304s0011.1  
Arabidopsis thaliana ATLG52099.1  
Arabidopsis lyrata AL6G32560.1  
Arabidopsis halleri Ah6G23100.2  
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Brassica oleracea XP 013630269.1  
Brassica napus C03p011740.1 BnaEXP  
Brassica rapa Brara.C00967.1  
Eruca vesicaria Eruve.0179s0059.1  
Sinapis alba Sialb.0004s0390.1  
Raphanus sativus lclJNW 017353141.1 cds XP 018476752.1 13498  
Selenicereus undatus HU09G00183.1  
Portulaca amilis FUN 052788-1  
Chenopodium quinoa AUR62020182-RA  
Beta vulgaris Bv7 187190 apfg.t1  
Dianthus caryophyllus DIACA2 72172  
Silene vulgaris Sivu ALN 39684  
Silene latifolia Sila 55229  
Silene montana Sc21g0006570.01  
Nepenthes khasiana TRINITY DN228402 c0 g1 i9  
Dionaea muscipula DIOMUS 9993  
Reaumuria songarica TRINITY DN91215 c2 g1 i10  
Myricaria laxiflora TRINITY DN124606 c0 g1 i15  
Limonium bicolor CM041778.1.g46935.t1  
Rumex hastulatus Ruha-34522  
Fagopyrum esculentum Fes sc0003365.1.g000006.aa.1  
Fagopyrum tataricum CM008286.1.g997.t1  
Fagopyrum dibotrys TRINITY DN144506 c2 g2 i1  
Linum usitatissimum Lus10001152[PACid 23155733  
Hypericum perforatum scaffold-BNDE-2024505-Hypericum perforatum  
Kalanchoe laxiflora Kalax.1399s0001.1  
Eucalyptus grandis EucgrJ00614.1  
Vitis vinifera VIT 206s0009g01130.1  
Tripteris wilfordii lclJNC 052233.1 cds XP 038715662.1 2868  
Manihot esculenta Manes.11G103300.1  
Salix purpurea Sapur.009G122400.1  
Populus trichocarpa Potri.009G156400.7  
Anacardium occidentale Anaoc.0016s1390.1  
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Poncirus trifoliata Ptnf.0002s0781.1  
Citrus unshiu Unassigned transcript 23088  
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Fragaria vesca FvH4 3g2660.t2  
Fragaria ananassa gene23373  
Fagus sylvatica FSBO15820001  
Quercus rubra Qurub.01G186909.1  
Castanea mollissima CmaMahoganyH1.08G146900.2  
Juglans regia Jr14 15520.1  
Carya illinoensis Cilak.13G125300.1  
Morella rubra lclJNC 036655.1 cds KAB1226847.1 2136  
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Betula platyphylla BPChr10G26208  
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Lupinus albus Lalb Chr10g0105801  
Glycine max Glyma02g44040.1[PACid 26287923  
Vigna unguiculata Vignu08g176800.1  
Phaseolus acutifolius Phacu.CVR.008G268600.4  
Lotus japonicus LJContig00564g0017485.1  
Medicago truncatula Medtr5g087490.1  
Trifolium pratense Tp57577 TGAC v2 mRNA12068  
Lens envoides Ler.1DRT5g057870.1  
Lens culinaris Lcu.28BY5g061130.1  
Gynostemma pentaphyllum CM035884.1.g4717.t1  
Siraitia grosvenorii Sgr000712.1  
Momordica charantia Moc0g010120.1  
Luffa aegyptiaca CM029397.1.CM029397.1.g6424.t1  
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Cucurbita pepo lclJNC 036655.1 cds XP 023516001.1 36456  
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Cucumis sativus Cucsa.142470.1[PACid 16963647  
Cucumis melo rna-XM 017045509.1  
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