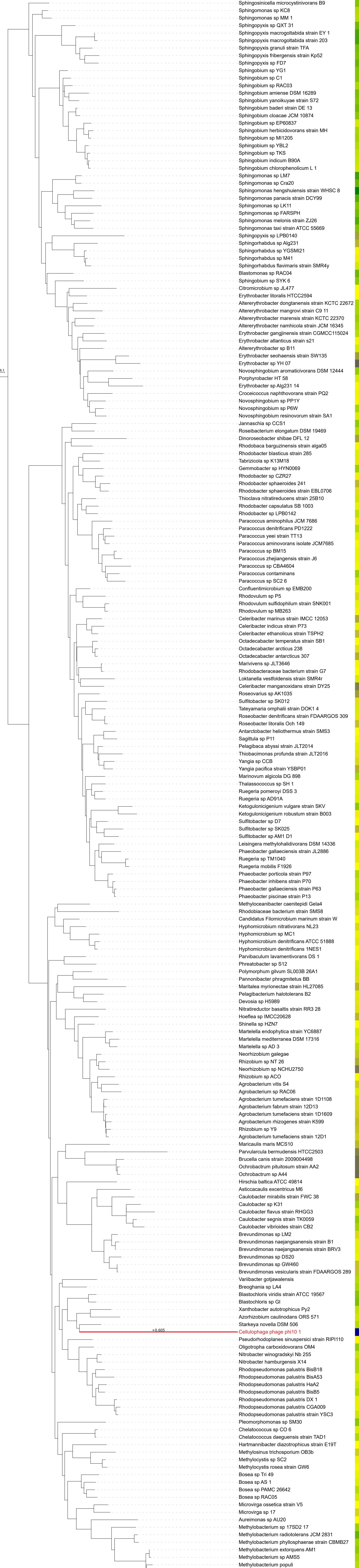
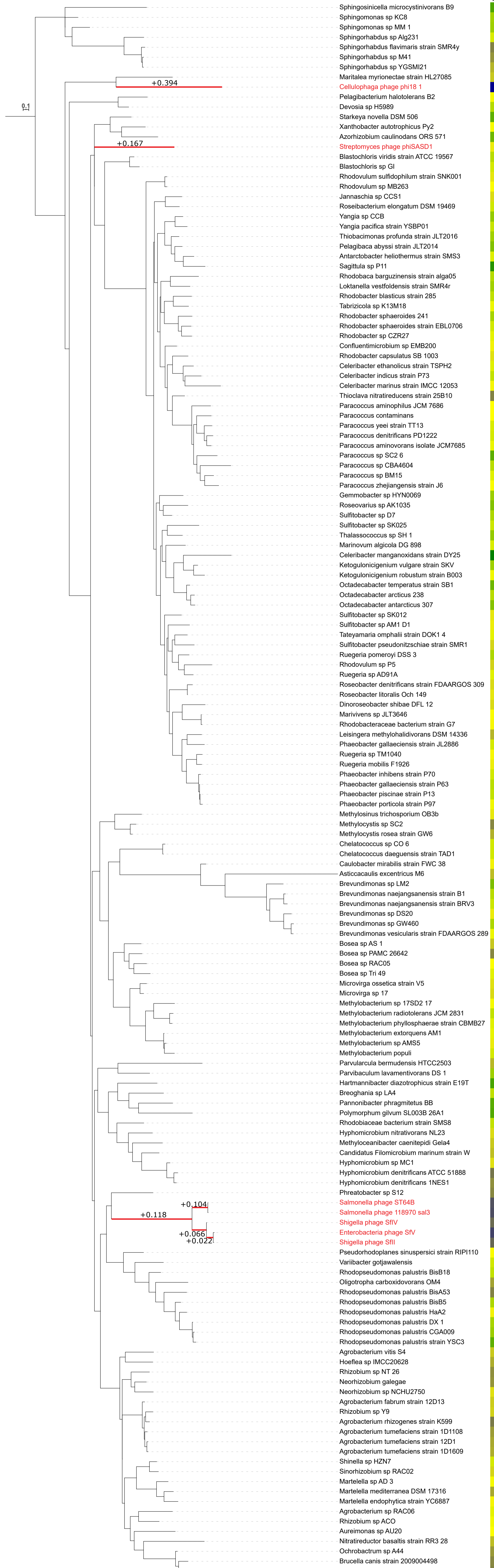
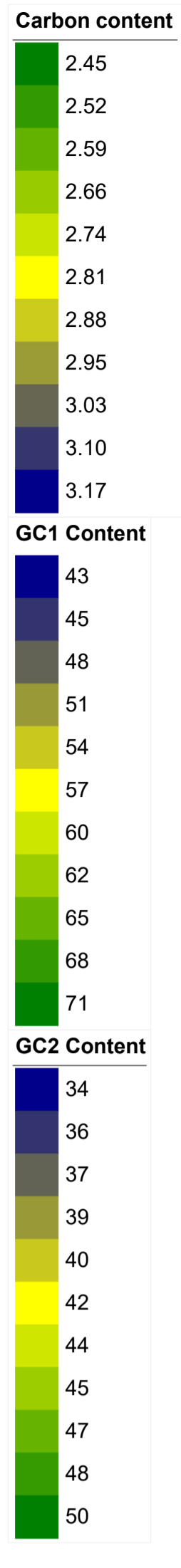


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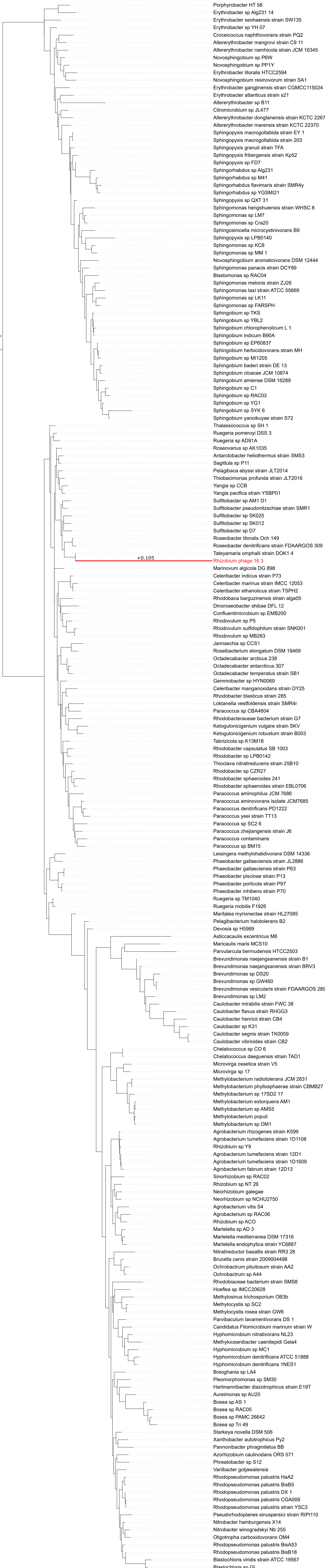
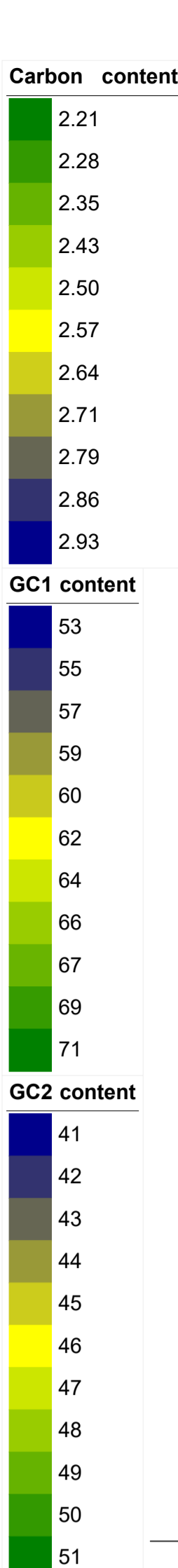


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- Spingopyxis macrogoltabida strain 203
- Spingopyxis granulii strain TFA
- Spingopyxis fribergensis strain Kp52
- Spingopyxis sp FD7
- Spingobium sp YG1
- Spingobium sp C1
- Spingobium sp RAC03
- Spingobium amiense DSM 16289
- Spingobium yanoikuyae strain S72
- Spingobium baderi strain DE 13
- Spingobium cloacae JCM 10874
- Spingobium sp EP60837
- Spingobium herbicidovorans strain MH
- Spingobium sp MI1205
- Spingobium sp YBL2
- Spingobium sp TKS
- Spingobium indicum B90A
- Spingobium chlorophenicum L 1
- Spingomonas sp LM7
- Spingomonas sp Cra20
- Spingomonas hengshuiensis strain WHSC 8
- Spingomonas panacis strain DCY99
- Spingomonas sp LK11
- Spingomonas sp FARSPH
- Spingomonas melonis strain ZJ26
- Spingomonas taxi strain ATCC 55669
- Spingopyxis sp LPB0140
- Spingorhabdus sp Alg231
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- Spingorhabdus flavimaris strain SMR4y
- Blastomonas sp RAC04
- Spingobium sp SYK 6
- Citromicrobium sp JL477
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- Altererythrobacter mangrovi strain C9 11
- Altererythrobacter marensis strain KCTC 22370
- Altererythrobacter namhicola strain JCM 16345
- Erythrobacter gangjinensis strain CGMCC115024
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- Erythrobacter seohaensis strain SW135
- Erythrobacter sp YH 07
- Novospingobium aromaticivorans DSM 12444
- Porphyrobacter HT 58
- Erythrobacter sp Alg231 14
- Croceiococcus naphthovorans strain PQ2
- Novospingobium sp PP1Y
- Novospingobium sp P6W
- Novospingobium resinovorum strain SA1
- Jannaschia sp CCS1
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- Rhodobaca barguzinensis strain alga05
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- Tabrizicola sp K13M18
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- Paracoccus zhejiangensis strain J6
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- Rhodovulum sp MB263
- Celeribacter marinus strain IMCC 12053
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- Celeribacter ethanolicus strain TSPH2
- Octadecabacter temperatus strain SB1
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- Octadecabacter antarcticus 307
- Marivivens sp JLT3646
- Rhodobacteraceae bacterium strain G7
- Loktanella vestfoldensis strain SMR4r
- Celeribacter manganoxidans strain DY25
- Roseovarius sp AK1035
- Sulfitobacter sp SK012
- Tateyamaia omphalii strain DOK1 4
- Roseobacter denitrificans strain FDAARGOS 309
- Roseobacter litoralis Och 149
- Antarctobacter heliothermus strain SMS3
- Sagittula sp P11
- Pelagibaca abyssii strain JLT2014
- Thiobacimonas profunda strain JLT2016
- Yangia sp CCB
- Yangia pacifica strain YSBP01
- Marinovum algicola DG 898
- Thalassococcus sp SH 1
- Ruegeria pomeroyi DSS 3
- Ruegeria sp AD91A
- Ketogulonicigenium vulgare strain SKV
- Ketogulonicigenium robustum strain B003
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- Sulfitobacter sp SK025
- Sulfitobacter sp AM1 D1
- Leisingera methylohalidivorans DSM 14336
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- Ruegeria sp TM1040
- Ruegeria mobilis F1926
- Phaeobacter porticola strain P97
- Phaeobacter inhibens strain P70
- Phaeobacter gallaeciensis strain P63
- Phaeobacter piscinae strain P13
- Methyloceanibacter caenitepidi Gela4
- Rhodobiaceae bacterium strain SMS8
- Candidatus Filomicrobium marinum strain W
- Hyphomicrobium nitrativorans NL23
- Hyphomicrobium sp MC1
- Hyphomicrobium denitrificans ATCC 51888
- Hyphomicrobium denitrificans 1NES1
- Parvibaculum lavamentivorans DS 1
- Phreatobacter sp S12
- Polymorphum gilvum SL003B 26A1
- Pannonibacter phragmitetus BB
- Maritalea myrionectae strain HL27085
- Pelagibacterium halotolerans B2
- Devosia sp H5989
- Nitratireductor basaltis strain RR3 28
- Hoeflea sp IMCC20628
- Shinella sp HZN7
- Martellella endophytica strain YC6887
- Martellella mediterranea DSM 17316
- Martellella sp AD 3
- Neorhizobium galegae
- Rhizobium sp NT 26
- Neorhizobium sp NCHU2750
- Rhizobium sp ACO
- Agrobacterium vitis S4
- Agrobacterium sp RAC06
- Agrobacterium tumefaciens strain 1D1108
- Agrobacterium fabrum strain 12D13
- Agrobacterium tumefaciens strain 1D1609
- Agrobacterium rhizogenes strain K599
- Rhizobium sp Y9
- Agrobacterium tumefaciens strain 12D1
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- Parvularcula bermudensis HTCC2503
- Bruceella canis strain 2009004498
- Ochrobactrum pituitosum strain AA2
- Ochrobactrum sp A44
- Hirschia baltica ATCC 49814
- Asticcacaulis excentricus M6
- Caulobacter mirabilis strain FWC 38
- Caulobacter sp K31
- Caulobacter flavus strain RHGG3
- Caulobacter segnis strain TK0059
- Caulobacter vibrioides strain CB2
- Brevundimonas sp LM2
- Brevundimonas naejangsanensis strain B1
- Brevundimonas naejangsanensis strain BRV3
- Brevundimonas sp DS20
- Brevundimonas sp GW460
- Brevundimonas vesicularis strain FDAARGOS 289
- Variibacter gotjawalensis
- Breoghania sp LA4
- Blastochloris viridis strain ATCC 19567
- Blastochloris sp GI
- Xanthobacter autotrophicus Py2
- Azorhizobium caulinodans ORS 571
- Starkvea novella DSM 506
- Cellulophaga phage phi10 1
- Pseudorhodoplanes sinuspersici strain RIP110
- Oligotropha carboxidovorans OM4
- Nitrobacter winogradskyi N 255
- Nitrobacter hamburgensis X14
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- Rhodopseudomonas palustris BisA53
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- Rhodopseudomonas palustris BisB5
- Rhodopseudomonas palustris DX 1
- Rhodopseudomonas palustris CGA009
- Rhodopseudomonas palustris strain YSC3
- Pleomorphomonas sp SM30
- Chelatococcus sp CO 6
- Chelatococcus daeguensis strain TAD1
- Hartmannibacter diazotrophicus strain E19T
- Methylosinus trichosporium OB3b
- Methylocystis sp SC2
- Methylocystis rosea strain GW6
- Bosea sp Tri 49
- Bosea sp AS 1
- Bosea sp PAMC 26642
- Bosea sp RAC05
- Microvirga ossetica strain V5
- Microvirga sp 17
- Aureimonas sp AU20
- Methylobacterium sp 17SD2 17
- Methylobacterium radiotolerans JCM 2831
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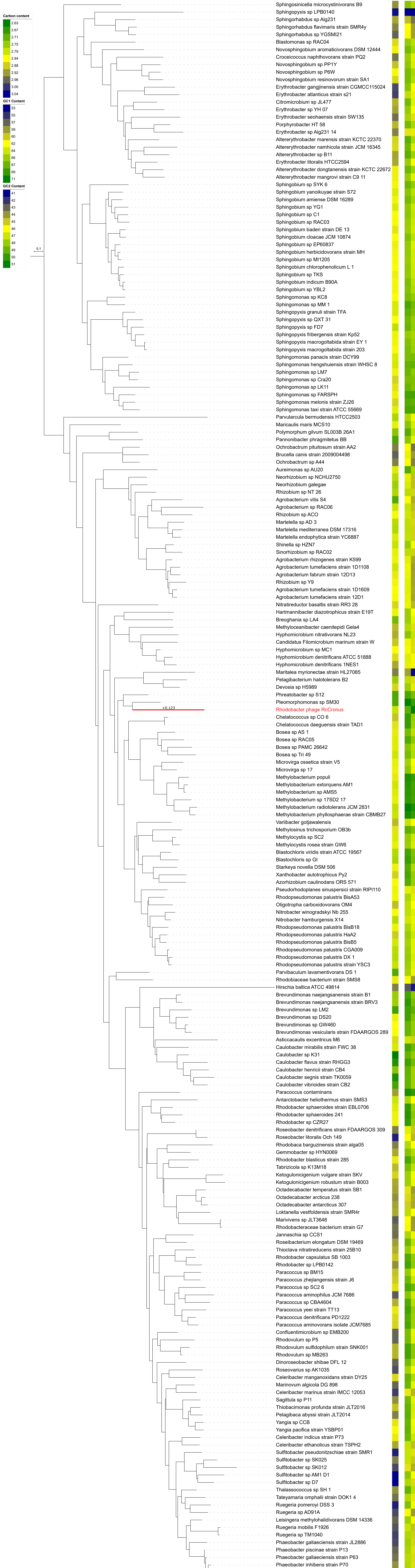




# g10



# g12



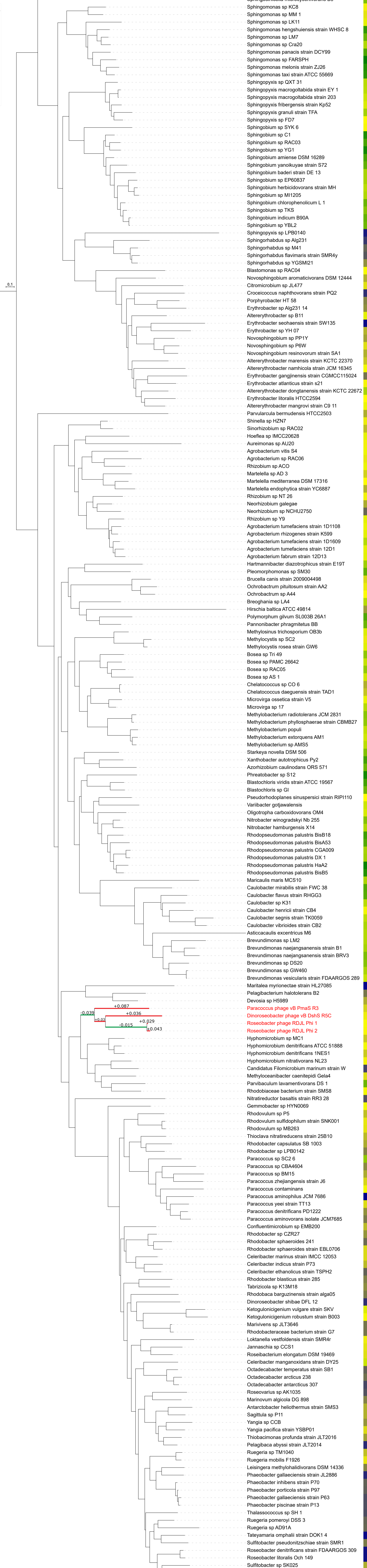
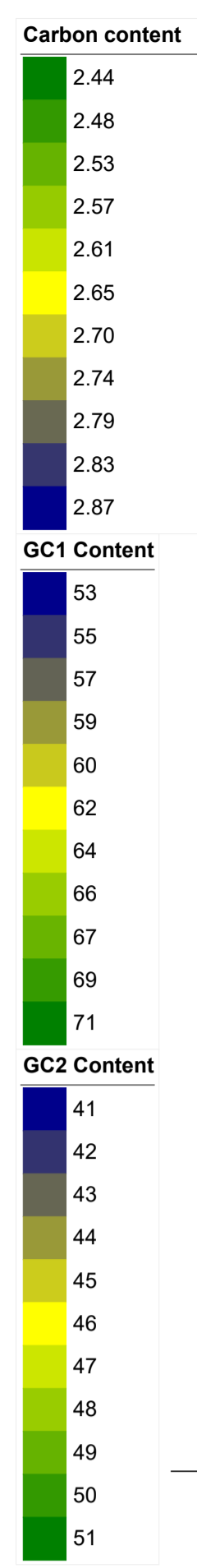
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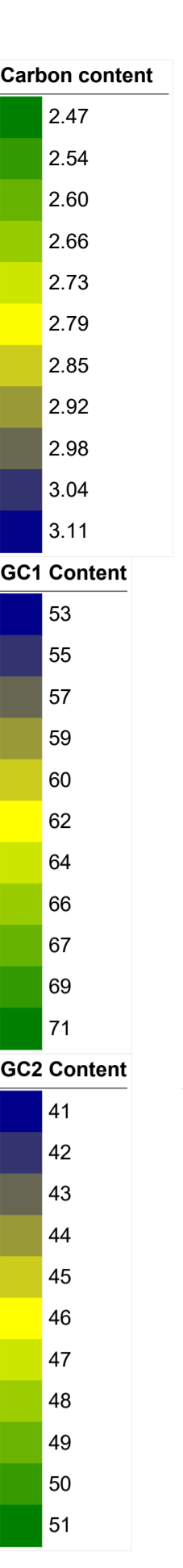


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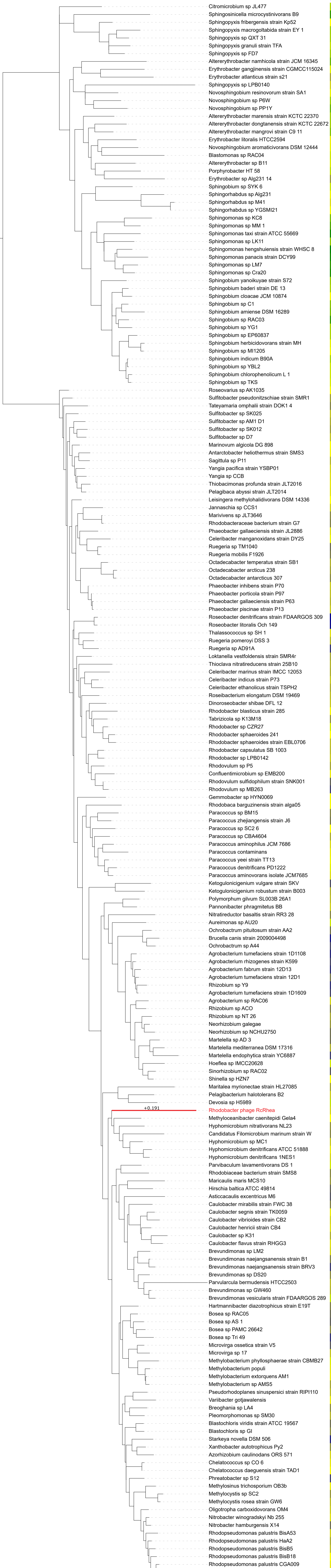


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- Sphingomonas sp LK11
- Sphingomonas hengshuiensis strain WHSC 8
- Sphingomonas sp LM7
- Sphingomonas sp Cra20
- Sphingomonas panacis strain DCY99
- Sphingomonas sp FARSPH
- Sphingomonas melonis strain ZJ26
- Sphingomonas taxi strain ATCC 55669
- Sphingopyxis sp QXT 31
- Sphingopyxis macrogoltabida strain EY 1
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- Sphingopyxis fribergensis strain Kp52
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- Sphingobium sp SYK 6
- Sphingobium sp C1
- Sphingobium sp RAC03
- Sphingobium sp YG1
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- Sphingobium baderi strain DE 13
- Sphingobium sp EP60837
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- Sphingobium indicum B90A
- Sphingobium sp YBL2
- Sphingopyxis sp LPB0140
- Sphingorhabdus sp Alg231
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- Sphingorhabdus flavimaris strain SMR4y
- Sphingorhabdus sp YGSM121
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- Citromicrobium sp JL477
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- Porphyrobacter HT 58
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- Altererythro bacter sp B11
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- Erythro bacter sp YH 07
- Novosphingobium sp PP1Y
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- Altererythro bacter namhicola strain JCM 16345
- Erythro bacter gangjinensis strain CGMCC115024
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- Altererythro bacter dongtanensis strain KCTC 22672
- Erythro bacter litoralis HTCC2594
- Altererythro bacter mangrovi strain C9 11
- Parvularcula bermudensis HTCC2503
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- Sinorhizobium sp RAC02
- Hoeflea sp IMCC20628
- Aureimonas sp AU20
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- Rhizobium sp ACO
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- Martellella mediterranea DSM 17316
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- Rhizobium sp NT 26
- Neorhizobium galegae
- Neorhizobium sp NCHU2750
- Rhizobium sp Y9
- Agrobacterium tumefaciens strain 1D1108
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- Agrobacterium fabrum strain 12D13
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- Pleomorphomonas sp SM30
- Brucella canis strain 2009004498
- Ochrobactrum pituitosum strain AA2
- Ochrobactrum sp A44
- Breoghanina sp LA4
- Hirschia baltica ATCC 49814
- Polymorphum gilvum SL003B 26A1
- Pannonibacter phragmitetus BB
- Methylosinus trichosporium OB3b
- Methylocystis sp SC2
- Methylocystis rosea strain GW6
- Bosea sp Tri 49
- Bosea sp PAMC 26642
- Bosea sp RAC05
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- Chelatococcus sp CO 6
- Chelatococcus daeguensis strain TAD1
- Microvirga ossetica strain V5
- Microvirga sp 17
- Methylobacterium radiotolerans JCM 2831
- Methylobacterium phyllosphaerae strain CBMB27
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- Methylobacterium extorquens AM1
- Methylobacterium sp AMS5
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- Xanthobacter autotrophicus Py2
- Azorhizobium caulinodans ORS 571
- Phreatobacter sp S12
- Blastochloris viridis strain ATCC 19567
- Blastochloris sp GI
- Pseudorhodoplanes sinuspersici strain RPI110
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- Oligotropha carboxidovorans OM4
- Nitrobacter winogradskyi Nb 255
- Nitrobacter hamburgensis X14
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- Asticcacaulis excentricus M6
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- Brevundimonas naejangsanensis strain B1
- Brevundimonas naejangsanensis strain BRV3
- Brevundimonas sp DS20
- Brevundimonas sp GW460
- Brevundimonas vesicularis strain FDAARGOS 289
- Maritalea myronectae strain HL27085
- Pelagibacterium halotolerans B2
- Devosia sp H5989
- Paracoccus phage vB PmaS R3
- Dinoroseobacter phage vB DshS R5C
- Roseobacter phage RDJL Phi 1
- Roseobacter phage RDJL Phi 2
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- Hyphomicrobium denitrificans 1NES1
- Hyphomicrobium nitrativorans NL23
- Candidatus Filomicrobium marinum strain W
- Methyloceanibacter caenitipidi Gela4
- Parvibaculum lavamentivorans DS 1
- Rhodobiaceae bacterium strain SMS8
- Nitratireductor basaltis strain RR3 28
- Gemmobacter sp HYN0069
- Rhodovulum sp P5
- Rhodovulum sulfidophilum strain SNK001
- Rhodovulum sp MB263
- Thioclava nitratireducens strain 25B10
- Rhodobacter capsulatus SB 1003
- Rhodobacter sp LPB0142
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- Paracoccus sp CBA4604
- Paracoccus sp BM15
- Paracoccus zhejiangensis strain J6
- Paracoccus contaminans
- Paracoccus aminophilus JCM 7686
- Paracoccus yeei strain TT13
- Paracoccus denitrificans PD1222
- Paracoccus aminovorans isolate JCM7685
- Confluentimicrobium sp EMB200
- Rhodobacter sp CZR27
- Rhodobacter sphaeroides 241
- Rhodobacter sphaeroides strain EBL0706
- Celeribacter marinus strain IMCC 12053
- Celeribacter indicus strain P73
- Celeribacter ethanolicus strain TSPH2
- Rhodobacter blasticus strain 285
- Tabrizicola sp K13M18
- Rhodobaca barguzinensis strain algo05
- Dinoroseobacter shibae DFL 12
- Ketogulonigenium vulgare strain SKV
- Ketogulonigenium robustum strain B003
- Marivivus sp JLT3646
- Rhodobacteraceae bacterium strain G7
- Loktanelia vestfoldensis strain SMR4r
- Jannaschia sp CCS1
- Roseibacterium elongatum DSM 19469
- Celeribacter manganoxidans strain DY25
- Octadecabacter temperatus strain SB1
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- Antarctobacter heliothermus strain SMS3
- Sagittula sp P11
- Yangia sp CCB
- Yangia pacifica strain YSBP01
- Thiobacimonas profunda strain JLT2016
- Pelagibaca abyssii strain JLT2014
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- Ruegeria mobilis F1926
- Leisingera methylohalidivorans DSM 14336
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- Phaeobacter inhibens strain P70
- Phaeobacter porticola strain P97
- Phaeobacter gallaeciensis strain P63
- Phaeobacter piscinae strain P13
- Thalassococcus sp SH 1
- Ruegeria pomeroyi DSS 3
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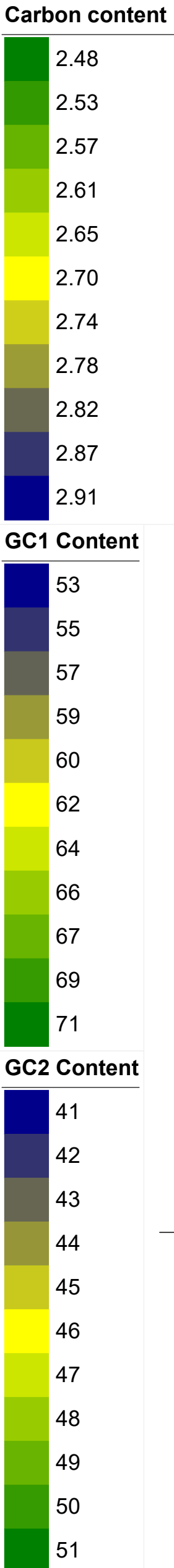
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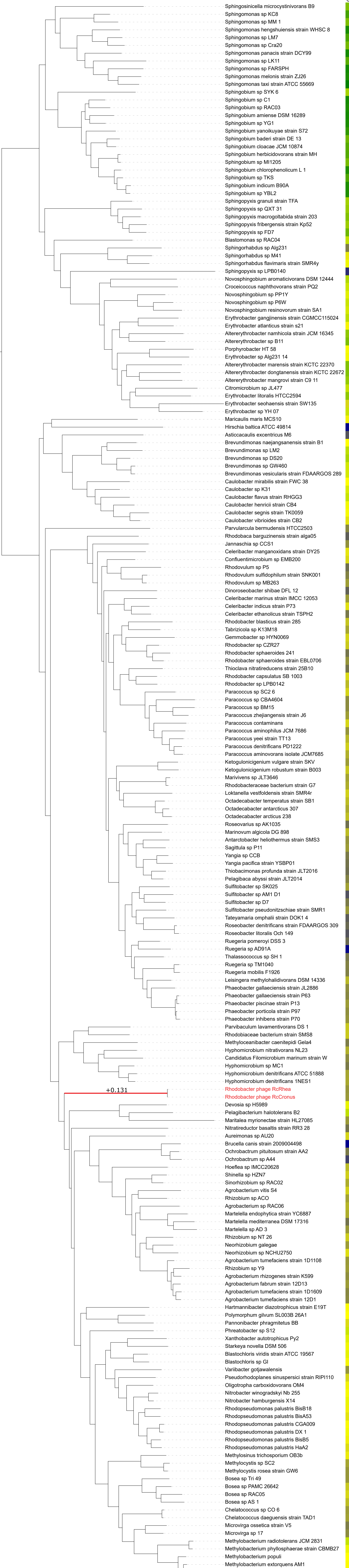
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# g15



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Carbon content

GC1 Content

GC2 Content