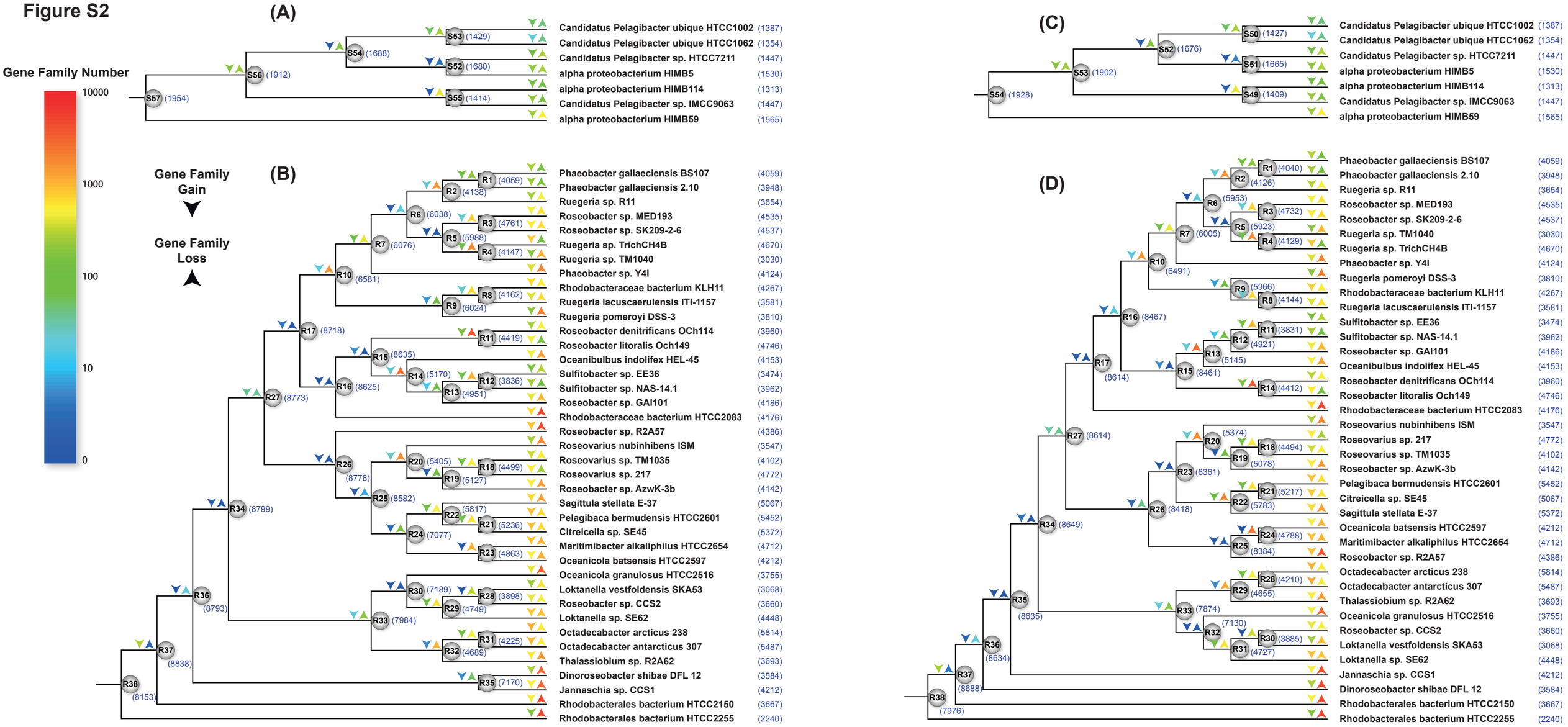
Figure S2


(A)
Gene Family Number
10000
1000
100
10
0
Gene Family Gain
Gene Family Loss
S57 (1954)
S56 (1912)
S54 (1688)
S53 (1429)
S52 (1680)
S55 (1414)
Candidatus Pelagibacter ubique HTCC1002 (1387)
Candidatus Pelagibacter ubique HTCC1062 (1354)
Candidatus Pelagibacter sp. HTCC7211 (1447)
alpha proteobacterium HIMB5 (1530)
alpha proteobacterium HIMB114 (1313)
Candidatus Pelagibacter sp. IMCC9063 (1447)
alpha proteobacterium HIMB59 (1565)
(B)
R38 (8153)
R37 (8838)
R36 (8793)
R34 (8799)
R27 (8773)
R17 (8718)
R10 (6581)
R7 (6076)
R6 (6038)
R1 (4059)
R2 (4138)
R3 (4761)
R5 (5988)
R4 (4147)
R8 (4162)
R9 (6024)
R16 (8625)
R15 (8635)
R11 (4419)
R14 (5170)
R12 (3836)
R13 (4951)
R26 (8778)
R20 (5405)
R18 (4499)
R19 (5127)
R25 (8582)
R22 (5817)
R21 (5236)
R24 (7077)
R23 (4863)
R33 (7984)
R30 (7189)
R28 (3898)
R29 (4749)
R31 (4225)
R32 (4689)
R35 (7170)
Phaeobacter gallaeciensis BS107 (4059)
Phaeobacter gallaeciensis 2.10 (3948)
Ruegeria sp. R11 (3654)
Roseobacter sp. MED193 (4535)
Roseobacter sp. SK209-2-6 (4537)
Ruegeria sp. TrichCH4B (4670)
Ruegeria sp. TM1040 (3030)
Phaeobacter sp. Y4I (4124)
Rhodobacteraceae bacterium KLH11 (4267)
Ruegeria lacuscaerulensis ITI-1157 (3581)
Ruegeria pomeroyi DSS-3 (3810)
Roseobacter denitrificans OCh114 (3960)
Roseobacter litoralis Och149 (4746)
Oceanibulbus indolifex HEL-45 (4153)
Sulfitobacter sp. EE36 (3474)
Sulfitobacter sp. NAS-14.1 (3962)
Roseobacter sp. GAI101 (4186)
Rhodobacteraceae bacterium HTCC2083 (4176)
Roseobacter sp. R2A57 (4386)
Roseovarius nubinhibens ISM (3547)
Roseovarius sp. TM1035 (4102)
Roseovarius sp. 217 (4772)
Roseobacter sp. AzwK-3b (4142)
Sagittula stellata E-37 (5067)
Pelagibaca bermudensis HTCC2601 (5452)
Citreicella sp. SE45 (5372)
Maritimibacter alkaliphilus HTCC2654 (4712)
Oceanicola batsensis HTCC2597 (4212)
Oceanicola granulosus HTCC2516 (3755)
Loktanella vestfoldensis SKA53 (3068)
Roseobacter sp. CCS2 (3660)
Loktanella sp. SE62 (4448)
Octadecabacter arcticus 238 (5814)
Octadecabacter antarcticus 307 (5487)
Thalassiobium sp. R2A62 (3693)
Dinoroseobacter shibae DFL 12 (3584)
Jannaschia sp. CCS1 (4212)
Rhodobacterales bacterium HTCC2150 (3667)
Rhodobacterales bacterium HTCC2255 (2240)
(C)
S54 (1928)
S53 (1902)
S52 (1676)
S50 (1427)
S51 (1665)
S49 (1409)
Candidatus Pelagibacter ubique HTCC1002 (1387)
Candidatus Pelagibacter ubique HTCC1062 (1354)
Candidatus Pelagibacter sp. HTCC7211 (1447)
alpha proteobacterium HIMB5 (1530)
alpha proteobacterium HIMB114 (1313)
Candidatus Pelagibacter sp. IMCC9063 (1447)
alpha proteobacterium HIMB59 (1565)
(D)
R38 (7976)
R37 (8688)
R36 (8634)
R35 (8635)
R34 (8649)
R27 (8614)
R17 (8614)
R16 (8467)
R10 (6491)
R7 (6005)
R6 (5953)
R1 (4040)
R2 (4126)
R3 (4732)
R5 (5923)
R4 (4129)
R9 (5966)
R8 (4144)
R15 (8461)
R11 (3831)
R12 (4921)
R13 (5145)
R14 (4412)
R26 (8418)
R23 (8361)
R20 (5374)
R18 (4494)
R19 (5078)
R21 (5217)
R22 (5783)
R24 (4788)
R25 (8384)
R33 (7874)
R28 (4210)
R29 (4655)
R32 (7130)
R30 (3885)
R31 (4727)
Phaeobacter gallaeciensis BS107 (4059)
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