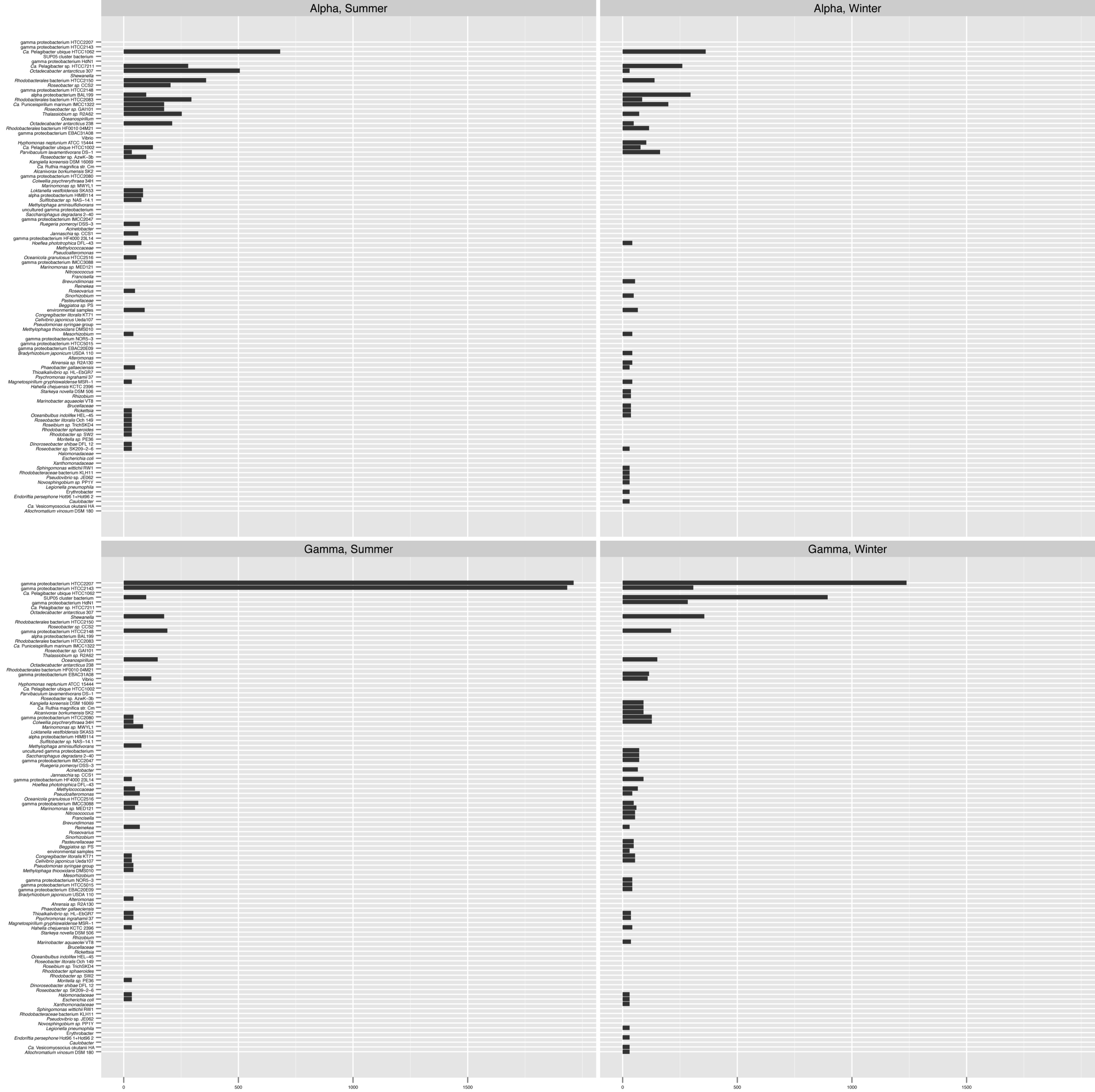
Alpha, Summer
Alpha, Winter
Gamma, Summer
Gamma, Winter
gamma proteobacterium HTCC2207
gamma proteobacterium HTCC2143
Ca. Pelagibacter ubique HTCC1062
SUP05 cluster bacterium
gamma proteobacterium HdN1
Ca. Pelagibacter sp. HTCC7211
Octadecabacter antarcticus 307
Shewanella
Rhodobacterales bacterium HTCC2150
Roseobacter sp. CCS2
gamma proteobacterium HTCC2148
alpha proteobacterium BAL199
Rhodobacterales bacterium HTCC2083
Ca. Puniceispirillum marinum IMCC1322
Roseobacter sp. GAI101
Thalassiobium sp. R2A62
Oceanospirillum
Octadecabacter antarcticus 238
Rhodobacterales bacterium HF0010 04M21
gamma proteobacterium EBAC31A08
Vibrio
Hyphomonas neptunium ATCC 15444
Ca. Pelagibacter ubique HTCC1002
Parvibaculum lavamentivorans DS−1
Roseobacter sp. AzwK−3b
Kangiella koreensis DSM 16069
Ca. Ruthia magnifica str. Cm
Alcanivorax borkumensis SK2
gamma proteobacterium HTCC2080
Colwellia psychrerythraea 34H
Marinomonas sp. MWYL1
Loktanella vestfoldensis SKA53
alpha proteobacterium HIMB114
Sulfitobacter sp. NAS−14.1
Methylophaga aminisulfidivorans
uncultured gamma proteobacterium
Saccharophagus degradans 2−40
gamma proteobacterium IMCC2047
Ruegeria pomeroyi DSS−3
Acinetobacter
Jannaschia sp. CCS1
gamma proteobacterium HF4000 23L14
Hoeflea phototrophica DFL−43
Methylococcaceae
Pseudoalteromonas
Oceanicola granulosus HTCC2516
gamma proteobacterium IMCC3088
Marinomonas sp. MED121
Nitrosococcus
Francisella
Brevundimonas
Reinekea
Roseovarius
Sinorhizobium
Pasteurellaceae
Beggiatoa sp. PS
environmental samples
Congregibacter litoralis KT71
Cellvibrio japonicus Ueda107
Pseudomonas syringae group
Methylophaga thiooxidans DMS010
Mesorhizobium
gamma proteobacterium NOR5−3
gamma proteobacterium HTCC5015
gamma proteobacterium EBAC20E09
Bradyrhizobium japonicum USDA 110
Alteromonas
Ahrensia sp. R2A130
Phaeobacter gallaeciensis
Thioalkalivibrio sp. HL−EbGR7
Psychromonas ingrahamii 37
Magnetospirillum gryphiswaldense MSR−1
Hahella chejuensis KCTC 2396
Starkeya novella DSM 506
Rhizobium
Marinobacter aquaeolei VT8
Brucellaceae
Rickettsia
Oceanibulbus indolifex HEL−45
Roseobacter litoralis Och 149
Roseibium sp. TrichSKD4
Rhodobacter sphaeroides
Rhodobacter sp. SW2
Moritella sp. PE36
Dinoroseobacter shibae DFL 12
Roseobacter sp. SK209−2−6
Halomonadaceae
Escherichia coli
Xanthomonadaceae
Sphingomonas wittichii RW1
Rhodobacteraceae bacterium KLH11
Pseudovibrio sp. JE062
Novosphingobium sp. PP1Y
Legionella pneumophila
Erythrobacter
Endoriftia persephone Hot96 1+Hot96 2
Caulobacter
Ca. Vesicomyosocius okutanii HA
Allochromatium vinosum DSM 180
0
500
1000
1500