0
20
40
60
80
100
Value
Group4
RA RF negative
RA RF positive
Capnocytophaga granulosa
Lachnoanaerobaculum saburreum
Gemella morbillorum
Capnocytophaga gingivalis
Eikenella corrodens
Cardiobacterium hominis
Neisseria mucosa
Streptococcus chosunense
Streptococcus salivarius
Olsenella sp._HMT_807
Tannerella forsythia
Saccharibacteria_(TM7)_[G−5] bacterium_HMT_356
Actinomyces sp._HMT_525
Prevotella pleuritidis
Fretibacterium sp._HMT_360
Actinomyces oris
Abiotrophia defectiva
Dialister invisus
Lancefieldella rimae
Prevotella denticola
Prevotella melaninogenica
Neisseria bacilliformis
Saccharibacteria_(TM7)_[G−1] bacterium_HMT_346
Actinomyces dentalis
Selenomonas noxia
Saccharibacteria_(TM7)_[G−1] bacterium_HMT_348
Campylobacter gracilis
Peptostreptococcaceae_[XI][G−9] [Eubacterium]_brachy
Prevotella nigrescens
Fusobacterium nucleatum_nucleatum_subsp._animalis
Capnocytophaga sp._HMT_902
Streptococcus intermedius
Neisseria oralis
Leptotrichia sp._HMT_225
Granulicatella adiacens
Neisseria sicca
Neisseria elongata
Capnocytophaga leadbetteri
Schaalia sp._HMT_180
Streptococcus oralis_subsp._tigurinus_clade_070
Veillonella parvula
Kingella oralis
Actinomyces sp._HMT_175
Streptococcus sobrinus
Prevotella sp._HMT_317
Oribacterium sp._HMT_078
Alloprevotella tannerae
Porphyromonas endodontalis
Porphyromonas gingivalis
Corynebacterium durum
Leptotrichia sp._HMT_498
Actinomyces israelii_nov_94.882%
Prevotella oris
Selenomonas sputigena
Streptococcus anginosus
Fusobacterium nucleatum_subsp._animalis
Streptococcus oralis_subsp._tigurinus_clade_071
Propionibacterium acidifaciens
Capnocytophaga sputigena
Peptidiphaga gingivicola
Leptotrichia hongkongensis
Capnocytophaga endodontalis
Actinomyces sp._HMT_171
Arachnia propionica
Bacteroidales_[G−2] bacterium_HMT_274
Fusobacterium nucleatum_subsp._vincentii
Streptococcus oralis
Actinomyces gerencseriae
Sphingomonas hankookensis_nov_97.685%
Actinomyces massiliensis
Streptococcus cristatus_clade_578
Streptococcus mitis
Leptotrichia buccalis
Leptotrichia wadei
Veillonella dispar_parvula
Streptococcus gordonii
Actinomyces johnsonii
Actinomyces israelii
Parvimonas micra
Saccharibacteria_(TM7)_[G−1] bacterium_HMT_349
Actinomyces israelii_nov_96.825%
Streptococcus mutans
Actinomyces naeslundii
Rothia aeria
Actinomyces sp._HMT_175_nov_97.951%
Streptococcus sp._HMT_423
Haemophilus parainfluenzae
Corynebacterium matruchotii
Actinomyces sp._HMT_170
Lautropia mirabilis
Streptococcus sp._HMT_064
Arachnia rubra
Actinomyces sp._HMT_169
Streptococcus sanguinis
Neisseria perflava
Peptidiphaga sp._HMT_183
Fusobacterium nucleatum
Actinomyces sp._HMT_448
Rothia dentocariosa
Ralstonia sp._HMT_406
Species
F16861.S027
F16861.S007
F16861.S036
F16861.S048
F16861.S060
F16861.S030
F16861.S017
F16861.S008
F16861.S052
F16861.S039
F16861.S022
F16861.S032
F16861.S015
F16861.S013
F16861.S072
F16861.S063
F16861.S074
F16861.S058
F16861.S162
F16861.S056
F16861.S002
F16861.S010
F16861.S014
F16861.S026
F16861.S065
F16861.S070
F16861.S029
F16861.S031
F16861.S041
F16861.S044
F16861.S053
F16861.S004
F16861.S051
F16861.S045
F16861.S160
F16861.S046
F16861.S068
F16861.S012
F16861.S075
F16861.S019
F16861.S049
Samples