Providencia vermicola KSVDL-09-71600, HM071065
38 Providencia vermicola TYPE DSM 17385, EU587041
31 Isolate IO-24, MH553348
Isolate IO-27, MH553349
38 Isolate IO-28, MH553350
Isolate IO-23, MH553347
Isolate IO-6, MH553344
Isolate IO-20, MH553346
74 Isolate IO-38, MH553351
Isolate IO-19, MH553345
Providencia rettgeri RB151, NZ CP017671
Providencia rettgeri CCBH11880, JSEQ01000020
2 Providencia rettgeri FDAARGOS 330, NZ CP027418
Providencia stuartii BE2467, NZ CP017054
69 Providencia stuartii MRSN 2154, NC 017731
Providencia stuartii FDAARGOS 291, NZ CP027398
92 Providencia stuartii ATCC 33672, NZ CP008920
Providencia stuartii AR 0026, NZ CP026704
62 Providencia stuartii TYPE DSM 4539, NR 114964
Providencia thailandensis TYPE C1112, HQ888847
25 Providencia stuartii FDAARGOS 145, NZ CP014024
14 Providencia sneebia A91, EU587059
98 Providencia sneebia A101, EU587065
Providencia sneebia A75, EU587053
Providencia sneebia A102, EU587071
Providencia sneebia TYPE DSM 19667, NR 104913
Providencia rettgeri Dmel1, AJSB01000009
20 Providencia rettgeri C, EU587107
27 Providencia rettgeri TYPE DSM 4542, NR 042413
Providencia rettgeri TUM9994, BGMI01000044
9 Providencia rettgeri 729/12, LYBX01000007
25 Providencia rettgeri PR1, NOWC01000067
42 Providencia rettgeri PR002, NXKD01000055
`Candidatus Providencia siddallii´ strain officinalis, CVRF01000003
98 Providencia heimbachae P12672, FIZD01000007
Providencia heimbachae TYPE DSM 3591, EU587018
84 Providencia alcalifaciens Dmel2, AKKM01000052
Providencia rustigianii TYPE DSM 4541, NR 042411
55 Providencia alcalifaciens FDAARGOS 408, NZ CP023536
Providencia alcalifaciens TYPE DSM 30120, ABXW01000071
Providencia burhodogranariea D37, EU587089
Providencia burhodogranariea D, EU587113
Providencia burhodogranariea B18, EU587077
23 Providencia burhodogranariea B97, EU587083
Providencia burhodogranariea TYPE DSM 19968, AKKL01000058
Proteus mirabilis ATCC 29906, AF008582

S1 Fig. 16S rRNA gene ML tree. Maximum Likelihood (ML) phylogeny of *Providencia* bacteria as reconstructed from 16S ribosomal RNA encoding sequences. Terminal branches are labelled by genus, species and strain designations as well as GenBank accession numbers. Numbers on branches indicate bootstrap support values. The size bar corresponds to 1 % sequence divergence. The branch representing `Candidatus Providencia siddallii´ (shown as dashed line) has been shortened to 25 % of its original length to facilitate graphical presentation . An orthologous sequence from the closely related bacterium *Proteus mirabilis* has been used as outgroup.