SUPPLEMENTARY FIGURE LEGENDS

Supplementary Figure S1. Map of sampling sites and photo of one of the Kentland Farm rain sampling sites in Blacksburg, VA, USA.

Supplementary Figure S2. Rarefaction curve plotting the cumulative species richness against the cumulative number of sequences obtained in precipitation samples collected in Virginia, USA. The species richness was obtained by affiliating each 16S rDNA sequence to an operational taxonomic unit (OTU) using the open-source bioinformatics pipeline for performing microbiome analysis QIIME (Caporaso et al 2010). The curve was obtained plotting the cumulative number of OTUs against the cumulative number of sequences.

Supplementary Figure S3. Evolutionary relationships between the culturable strains isolated from precipitation and other members of the *Pseudomonadaceae* family based on the alignment of partial 16S rDNA sequences. A maximum likelihood tree was built from the 931pb-long sequences of 229 strains isolated in this study (labelled VT#; strains that were confirmed to be Ice^+ in repeated tests are labelled in bold), 150 type strains downloaded from the Ribosomal Database Project (RDP) (Cole et al 2014) and 19 strains from NCBI, using the GTR model and 100 bootstrap replicates. Gaps were considered as missing data and were partially deleted with a site coverage cut-off of 95%. The strain *Xanthomonas axonopodis* LMG 538^T was used as a root. Only bootstrap values over 50% were included and are symbolized by black dots. Clades and leaves associated with strains that were Ice^+ in standardized re-tests at -8°C are labelled in bold and are underlined, those active at -10°C or -12°C are labelled in bold only. RDP names

are composed of the species name, the strain code and the accession number in the public database NCBI. Each collapsed clade is represented by a type strain.

Supplementary Figure S4. Evolutionary relationships between the culturable strains isolated from precipitation and other members of the *Enterobacteriaceae* family based on the alignment of partial 16S rDNA sequences. The phylogenetic tree was built from 212 strains isolated in this study (labelled VT#; strains that were confirmed to be Ice^+ in repeated tests are labelled in bold) and 241 type strains downloaded from the Ribosomal Database Project (RDP) (Cole et al 2014). The strain *Pseudomonas aeruginosa* DSM 50071was used as a root. See Supplementary Figure S3 for details about tree construction and labels.

Supplementary Figure S5. Evolutionary relationships between the culturable strains isolated from precipitation and other members of the *Xanthomonadaceae* family based on the alignment of partial 16S rDNA sequences. The phylogenetic tree was built from 30 strains isolated in this study (labelled VT#, strains that were confirmed to be Ice^+ in repeated tests are labelled in bold) and 132 type strains downloaded from the Ribosomal Database Project (RDP) (Cole et al 2014). The strain *Ralstonia solanacearum* LMG 2299 was used as a root. See Supplementary Figure S3 for details about tree construction and labels.

Supplementary Figure S6. Evolutionary relationships between the culturable INA strains *Lysinibacillus sp.* VT1065 and VT1066 isolated from precipitation and other members of the Bacillaceae family based on the alignment of 16S rDNA partial sequences. The phylogenetic tree was built from 47 strains isolated in this study

(labelled VT#; strains that were confirmed to be Ice$^+$ in repeated tests are labelled in bold) and 353 type strains downloaded from the Ribosomal Database Project (RDP) (Cole et al 2014). The strain *Lactobacillus acidophilus* BCRC10695 was used as a root. See Supplementary Figure S3 for details about tree construction and labels.

References

Caporaso JG, Kuczynski J, Stombaugh J, Bittinger K, Bushman F, Costello E *et al* (2010). QIIME allows analysis of high-throughput community sequencing data. *Nat Methods* **7:** 335–336.

Cole JR, Wang Q, Fish JA, Chai B, McGarell DM, Sun Y *et al* (2014). Ribosomal Database Project: data and tools for high throughput rRNA analysis. *Nucleic Acids Res* **1:** D633–D642.

Figure S1

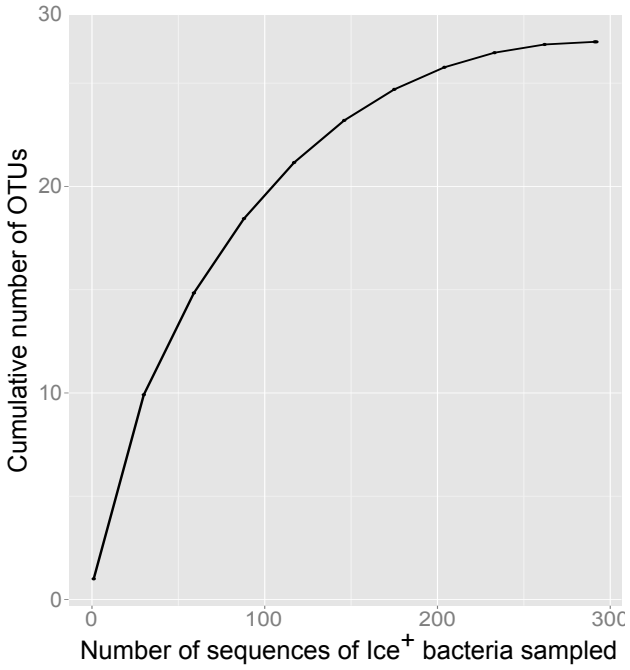
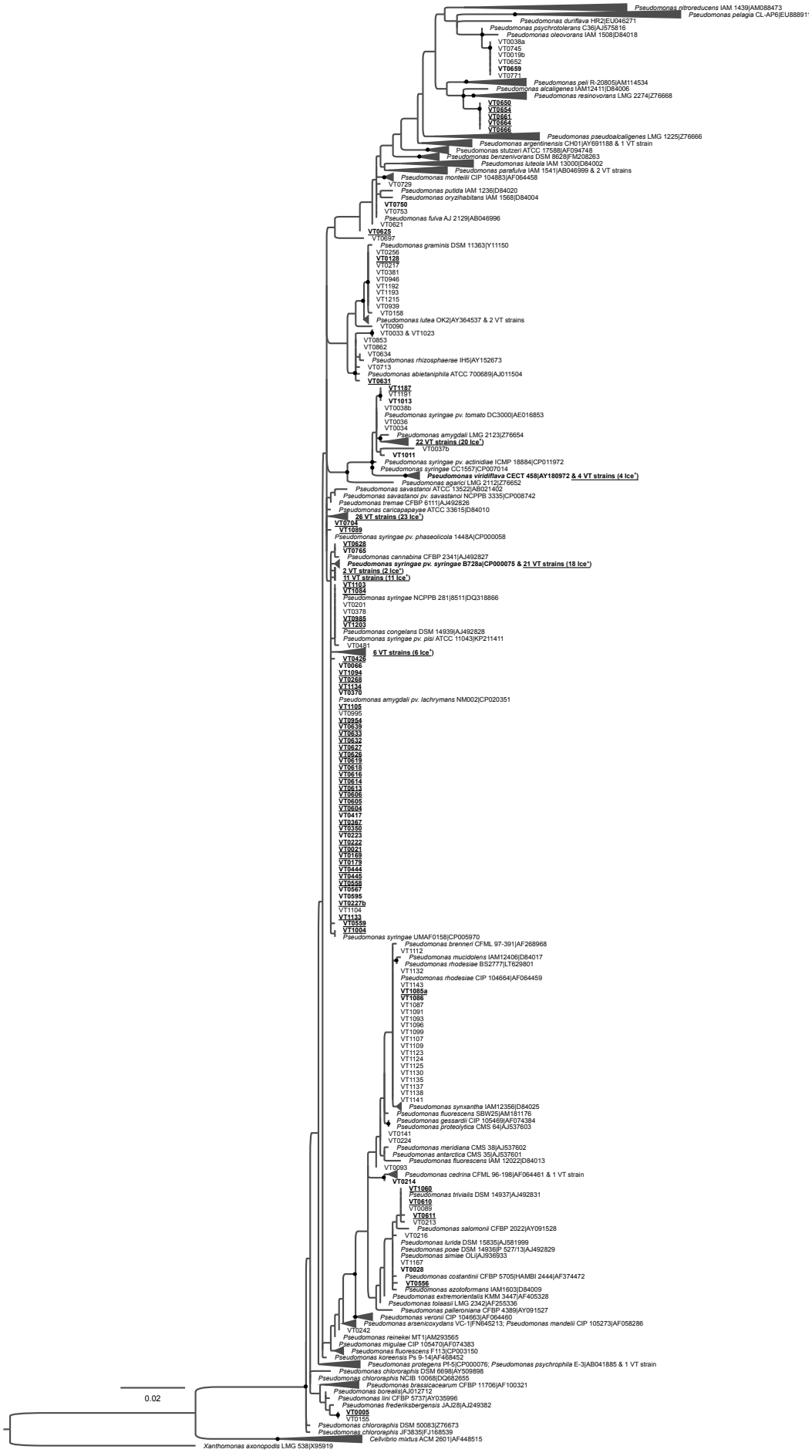

30
20
10
0
0
100
200
300
Cumulative number of OTUs
Number of sequences of Ice+ bacteria sampled

Figure S2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Pseudomonas pelagia CL-AP6|EU888911
Pseudomonas duriflava HR2|EU046271
Pseudomonas psychrotolerans C36|AJ575816
Pseudomonas oleovorans IAM 1508|D84018
VT0038a
VT0745
VT0019b
VT0652
VT0659
VT0771
Pseudomonas peli R-20805|AM114534
Pseudomonas alcaligenes IAM12411|D84006
Pseudomonas resinovorans LMG 2274|Z76668
VT0650
VT0654
VT0661
VT0664
VT0666
Pseudomonas pseudoalcaligenes LMG 1225|Z76666
Pseudomonas argentinensis CH01|AY691188 & 1 VT strain
Pseudomonas stutzeri ATCC 17588|AF094748
Pseudomonas benzenivorans DSM 8628|FM208263
Pseudomonas luteola IAM 13000|D84002
Pseudomonas parafulva IAM 1541|AB046999 & 2 VT strains
Pseudomonas monteilii CIP 104883|AF064458
VT0729
Pseudomonas putida IAM 1236|D84020
Pseudomonas oryzihabitans IAM 1568|D84004
VT0750
VT0753
Pseudomonas fulva AJ 2129|AB046996
VT0621
VT0625
VT0697
Pseudomonas graminis DSM 11363|Y11150
VT0256
VT0128
VT0217
VT0381
VT0946
VT1192
VT1193
VT1215
VT0939
VT0158
Pseudomonas lutea OK2|AY364537 & 2 VT strains
VT0090
VT0033 & VT1023
VT0853
VT0862
VT0634
Pseudomonas rhizosphaerae IH5|AY152673
VT0713
Pseudomonas abietaniphila ATCC 700689|AJ011504
VT0631
VT1187
VT1191
VT1013
VT0038b
Pseudomonas syringae pv. tomato DC3000|AE016853
VT0036
VT0034
Pseudomonas amygdali LMG 2123|Z76654
22 VT strains (20 Ice+)
VT0037b
VT1011
Pseudomonas syringae pv. actinidiae ICMP 18884|CP011972
Pseudomonas syringae CC1557|CP007014
Pseudomonas viridiflava CECT 458|AY180972 & 4 VT strains (4 Ice+)
Pseudomonas agarici LMG 2112|Z76652
Pseudomonas savastanoi ATCC 13522|AB021402
Pseudomonas savastanoi pv. savastanoi NCPPB 3335|CP008742
Pseudomonas tremae CFBP 6111|AJ492826
Pseudomonas caricapapayae ATCC 33615|D84010
26 VT strains (23 Ice+)
VT0704
VT1089
Pseudomonas syringae pv. phaseolicola 1448A|CP000058
VT0628
VT0765
Pseudomonas cannabina CFBP 2341|AJ492827
Pseudomonas syringae pv. syringae B728a|CP000075 & 21 VT strains (18 Ice+)
2 VT strains (2 Ice+)
11 VT strains (11 Ice+)
VT1103
VT1084
Pseudomonas syringae NCPPB 281|8511|DQ318866
VT0201
VT0378
VT0985
VT1203
Pseudomonas congelans DSM 14939|AJ492828
Pseudomonas syringae pv. pisi ATCC 11043|KP211411
VT0481
6 VT strains (6 Ice+)
VT0426
VT0066
VT1094
VT0288
VT1134
VT0370
Pseudomonas amygdali pv. lachrymans NM002|CP020351
VT1105
VT0995
VT0954
VT0639
VT0633
VT0632
VT0627
VT0626
VT0619
VT0618
VT0616
VT0614
VT0613
VT0606
VT0605
VT0604
VT0417
VT0367
VT0350
VT0223
VT0222
VT0021
VT0169
VT0179
VT0444
VT0445
VT0558
VT0567
VT0595
VT0227b
VT1104
VT1131
VT0559
VT1004
Pseudomonas syringae UMAF0158|CP005970
Pseudomonas brenneri CFML 97-391|AF268968
VT1112
Pseudomonas mucidolens IAM12406|D84017
Pseudomonas rhodesiae BS2777|LT629801
VT1132
Pseudomonas rhodesiae CIP 104664|AF064459
VT1143
VT1085a
VT1086
VT1087
VT1091
VT1093
VT1096
VT1099
VT1107
VT1109
VT1123
VT1124
VT1125
VT1130
VT1135
VT1137
VT1138
VT1141
Pseudomonas synxantha IAM12356|D84025
Pseudomonas fluorescens SBW25|AM181176
Pseudomonas gessardii CIP 105469|AF074384
Pseudomonas proteolytica CMS 64|AJ537603
VT0141
VT0224
Pseudomonas meridiana CMS 38|AJ537602
Pseudomonas antarctica CMS 35|AJ537601
Pseudomonas fluorescens IAM 12022|D84013
VT0093
Pseudomonas cedrina CFML 96-198|AF064461 & 1 VT strain
VT0214
VT1060
Pseudomonas trivialis DSM 14937|AJ492831
VT0610
VT0089
VT0611
VT0213
Pseudomonas salomonii CFBP 2022|AY091528
VT0216
Pseudomonas lurida DSM 15835|AJ581999
Pseudomonas poae DSM 14936|P 527/13|AJ492829
Pseudomonas simiae OLI|AJ936933
VT1167
VT0028
Pseudomonas costantinii CFBP 5705|HAMBI 2444|AF374472
VT0556
Pseudomonas azotoformans IAM1603|D84009
Pseudomonas extremorientalis KMM 3447|AF405328
Pseudomonas tolaasii LMG 2342|AF255336
Pseudomonas palleroniana CFBP 4389|AY091527
Pseudomonas veronii CIP 104663|AF064460
Pseudomonas arsenicoxydans VC-1|FN645213; Pseudomonas mandelii CIP 105273|AF058286
VT0242
Pseudomonas reinekei MT1|AM293565
Pseudomonas migulae CIP 105470|AF074383
Pseudomonas fluorescens F113|CP003150
Pseudomonas koreensis Ps 9-14|AF468452
Pseudomonas protegens Pf-5|CP000076; Pseudomonas psychrophila E-3|AB041885 & 1 VT strain
Pseudomonas chlororaphis DSM 6698|AY509898
Pseudomonas chlororaphis NCIB 10068|DQ682655
Pseudomonas brassicacearum CFBP 11706|AF100321
Pseudomonas borealis|AJ012712
Pseudomonas lini CFBP 5737|AY035996
Pseudomonas frederiksbergensis JAJ28|AJ249382
VT0005
VT0155
Pseudomonas chlororaphis DSM 50083|Z76673
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Cellvibrio mixtus ACM 2601|AF448515
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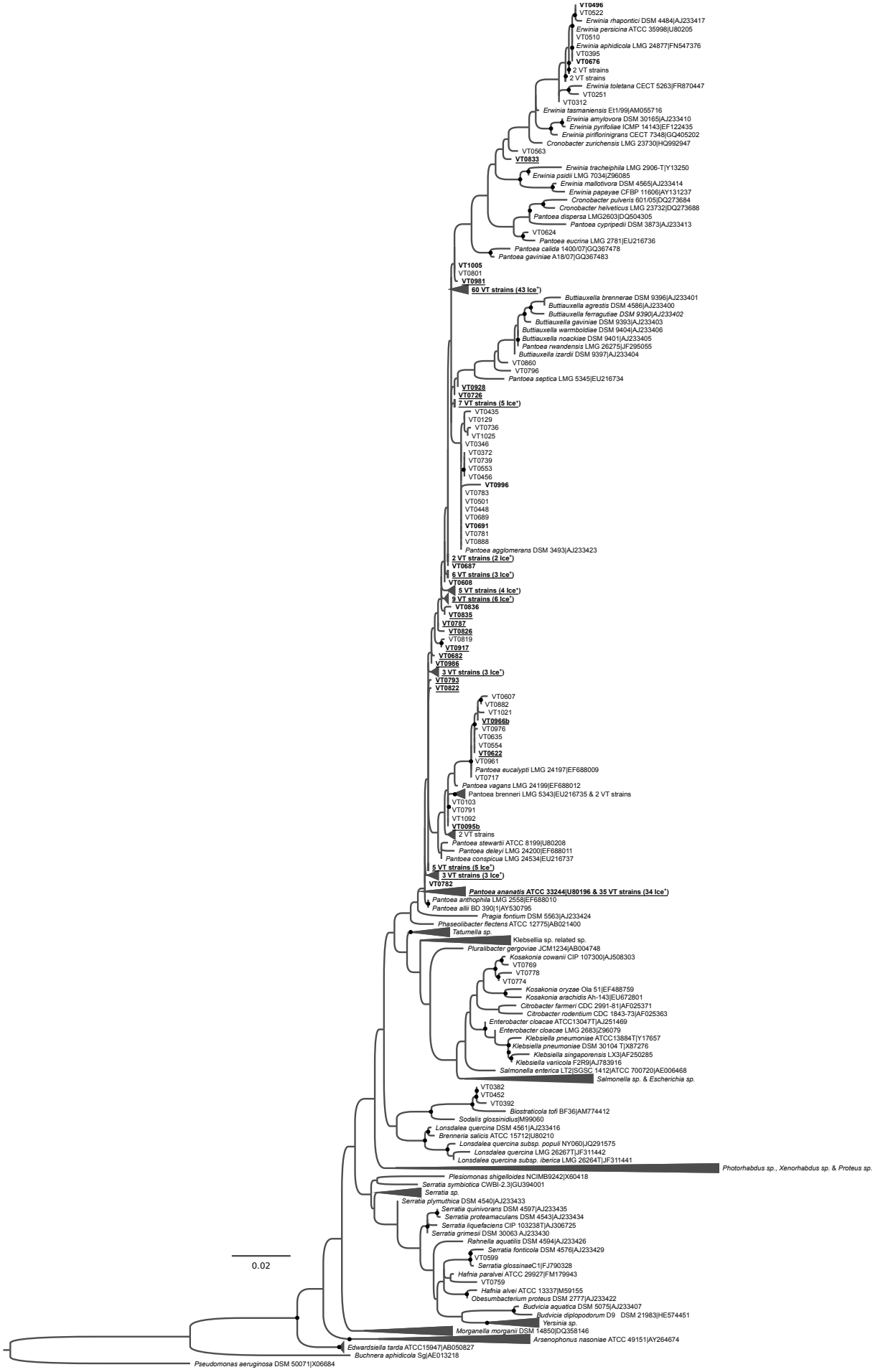
0.02

Figure S3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VT0395
VT0676
2 VT strains
2 VT strains
Erwinia toletana CECT 5263|FR870447
VT0251
VT0312
Erwinia tasmaniensis Et1/99|AM055716
Erwinia amylovora DSM 30165|AJ233410
Erwinia pyrifoliae ICMP 14143|EF122435
Erwinia piriflorinigrans CECT 7348|GQ405202
Cronobacter zurichensis LMG 23730|HQ992947
VT0563
VT0833
Erwinia tracheiphila LMG 2906-T|Y13250
Erwinia psidii LMG 7034|Z96085
Erwinia mallotivora DSM 4565|AJ233414
Erwinia papayae CFBP 11606|AY131237
Cronobacter pulveris 601/05|DQ273684
Cronobacter helveticus LMG 23732|DQ273688
Pantoea dispersa LMG2603|DQ504305
Pantoea cypripedii DSM 3873|AJ233413
VT0624
Pantoea eucrina LMG 2781|EU216736
Pantoea calida 1400/07|GQ367478
Pantoea gaviniae A18/07|GQ367483
VT1005
VT0801
VT0981
60 VT strains (43 Ice*)
Buttiauxella brennerae DSM 9396|AJ233401
Buttiauxella agrestis DSM 4586|AJ233400
Buttiauxella ferragutiae DSM 9390|AJ233402
Buttiauxella gaviniae DSM 9393|AJ233403
Buttiauxella warmboldiae DSM 9404|AJ233406
Buttiauxella noackiae DSM 9401|AJ233405
Pantoea rwandensis LMG 26275|JF295055
Buttiauxella izardii DSM 9397|AJ233404
VT0860
VT0796
Pantoea septica LMG 5345|EU216734
VT0928
VT0726
7 VT strains (5 Ice*)
VT0435
VT0129
VT0736
VT1025
VT0346
VT0372
VT0739
VT0553
VT0456
VT0996
VT0783
VT0501
VT0448
VT0689
VT0691
VT0781
VT0888
Pantoea agglomerans DSM 3493|AJ233423
2 VT strains (2 Ice*)
VT0687
6 VT strains (3 Ice*)
VT0608
5 VT strains (4 Ice*)
9 VT strains (6 Ice*)
VT0836
VT0835
VT0787
VT0826
VT0819
VT0917
VT0682
VT0986
3 VT strains (3 Ice*)
VT0793
VT0822
VT0607
VT0882
VT1021
VT0966b
VT0976
VT0635
VT0554
VT0622
VT0961
Pantoea eucalypti LMG 24197|EF688009
VT0717
Pantoea vagans LMG 24199|EF688012
Pantoea brenneri LMG 5343|EU216735 & 2 VT strains
VT0103
VT0791
VT1092
VT0095b
2 VT strains
Pantoea stewartii ATCC 8199|U80208
Pantoea deleyi LMG 24200|EF688011
Pantoea conspicua LMG 24534|EU216737
5 VT strains (5 Ice*)
3 VT strains (3 Ice*)
VT0782
Pantoea ananatis ATCC 33244|U80196 & 35 VT strains (34 Ice*)
Pantoea anthophila LMG 2558|EF688010
Pantoea allii BD 390|1|AY530795
Pragia fontium DSM 5563|AJ233424
Phaseolibacter flectens ATCC 12775|AB021400
Tatumella sp.
Klebsellia sp. related sp.
Pluralibacter gergoviae JCM1234|AB004748
Kosakonia cowanii CIP 107300|AJ508303
VT0769
VT0778
VT0774
Kosakonia oryzae Ola 51|EF488759
Kosakonia arachidis Ah-143|EU672801
Citrobacter farmeri CDC 2991-81|AF025371
Citrobacter rodentium CDC 1843-73|AF025363
Enterobacter cloacae ATCC13047T|AJ251469
Enterobacter cloacae LMG 2683|Z96079
Klebsiella pneumoniae ATCC13884T|Y17657
Klebsiella pneumoniae DSM 30104 T|X87276
Klebsiella singaporensis LX3|AF250285
Klebsiella varricola F2R9|AJ783916
Salmonella enterica LT2|SGSC 1412|ATCC 700720|AE006468
Salmonella sp. & Escherichia sp.
VT0382
VT0452
VT0392
Biostraticola tofi BF36|AM774412
Sodalis glossinidius|M99060
Lonsdalea quercina DSM 4561|AJ233416
Brenneria salicis ATCC 15712|U80210
Lonsdalea quercina subsp. populi NY060|JQ291575
Lonsdalea quercina LMG 26267T|JF311442
Lonsdalea quercina subsp. iberica LMG 26264T|JF311441
Photorhabdus sp., Xenorhabdus sp. & Proteus sp.
Plesiomonas shigelloides NCIMB9242|X60418
Serratia symbiotica CWBI-2.3|GU394001
Serratia sp.
Serratia plymuthica DSM 4540|AJ233433
Serratia quinivorans DSM 4597|AJ233435
Serratia proteamaculans DSM 4543|AJ233434
Serratia liquefaciens CIP 103238T|AJ306725
Serratia grimesii DSM 30063 AJ233430
Rahnella aquatilis DSM 4594|AJ233426
Serratia fonticola DSM 4576|AJ233429
VT0599
Serratia glossinaeC1|FJ790328
Hafnia paralvei ATCC 29927|FM179943
VT0759
Hafnia alvei ATCC 13337|M59155
Obesumbacterium proteus DSM 2777|AJ233422
Budvicia aquatica DSM 5075|AJ233407
Budvicia diplopodorum D9 DSM 21983|HE574451
Yersinia sp.
Morganella morganii DSM 14850|DQ358146
Arsenophonus nasoniae ATCC 49151|AY264674
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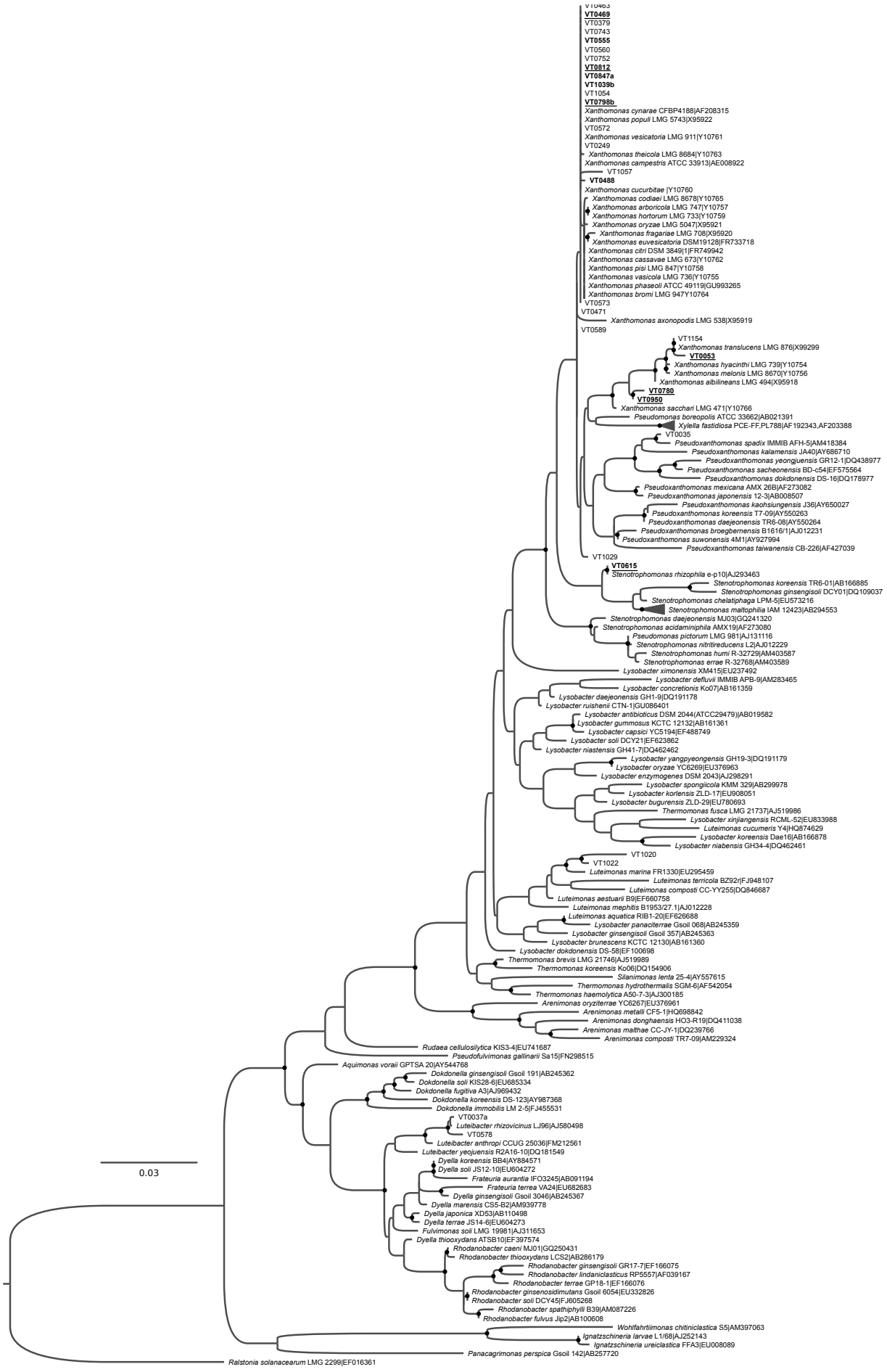
0.02

Figure S4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VT1054
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Xanthomonas populi LMG 5743|X95922
VT0572
Xanthomonas vesicatoria LMG 911|Y10761
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Xanthomonas campestris ATCC 33913|AE008922
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Xanthomonas hortorum LMG 733|Y10759
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Xanthomonas citri DSM 3849|1|FR749942
Xanthomonas cassavae LMG 673|Y10762
Xanthomonas pisi LMG 847|Y10758
Xanthomonas vasicola LMG 736|Y10755
Xanthomonas phaseoli ATCC 49119|GU993265
Xanthomonas bromi LMG 947Y10764
VT0573
VT0471
Xanthomonas axonopodis LMG 538|X95919
VT0589
VT1154
Xanthomonas translucens LMG 876|X99299
VT0053
Xanthomonas hyacinthi LMG 739|Y10754
Xanthomonas melonis LMG 8670|Y10756
Xanthomonas albilineans LMG 494|X95918
VT0780
VT0950
Xanthomonas sacchari LMG 471|Y10766
Pseudomonas boreopolis ATCC 33662|AB021391
Xylella fastidiosa PCE-FF,PL788|AF192343,AF203388
VT0035
Pseudoxanthomonas spadix IMMIB AFH-5|AM418384
Pseudoxanthomonas kalamensis JA40|AY686710
Pseudoxanthomonas yeongjuensis GR12-1|DQ438977
Pseudoxanthomonas sacheonensis BD-c54|EF575564
Pseudoxanthomonas dokdonensis DS-16|DQ178977
Pseudoxanthomonas mexicana AMX 26B|AF273082
Pseudoxanthomonas japonensis 12-3|AB008507
Pseudoxanthomonas kaohsiungensis J36|AY650027
Pseudoxanthomonas koreensis T7-09|AY550263
Pseudoxanthomonas daejeonensis TR6-08|AY550264
Pseudoxanthomonas broegbernensis B1616/1|AJ012231
Pseudoxanthomonas suwonensis 4M1|AY927994
Pseudoxanthomonas taiwanensis CB-226|AF427039
VT1029
VT0615
Stenotrophomonas rhizophila e-p10|AJ293463
Stenotrophomonas koreensis TR6-01|AB166885
Stenotrophomonas ginsengisoli DCY01|DQ109037
Stenotrophomonas chelatiphaga LPM-5|EU573216
Stenotrophomonas maltophilia IAM 12423|AB294553
Stenotrophomonas daejeonensis MJ03|GQ241320
Stenotrophomonas acidaminiphila AMX19|AF273080
Pseudomonas pictorum LMG 981|AJ131116
Stenotrophomonas nitritireducens L2|AJ012229
Stenotrophomonas humi R-32729|AM403587
Stenotrophomonas errae R-32768|AM403589
Lysobacter ximonensis XM415|EU237492
Lysobacter defluvii IMMIB APB-9|AM283465
Lysobacter concretionis Ko07|AB161359
Lysobacter daejeonensis GH1-9|DQ191178
Lysobacter ruishenii CTN-1|GU086401
Lysobacter antibioticus DSM 2044(ATCC29479)|AB019582
Lysobacter gummosus KCTC 12132|AB161361
Lysobacter capsici YC5194|EF488749
Lysobacter soli DCY21|EF623862
Lysobacter niastensis GH41-7|DQ462462
Lysobacter yangpyeongensis GH19-3|DQ191179
Lysobacter oryzae YC6269|EU376963
Lysobacter enzymogenes DSM 2043|AJ298291
Lysobacter spongiicola KMM 329|AB299978
Lysobacter korlensis ZLD-17|EU908051
Lysobacter buguriensis ZLD-29|EU780993
Thermomonas fusca LMG 21737|AJ519986
Lysobacter xinjiangensis RCML-52|EU833988
Luteimonas cucumeris Y4|HQ874629
Lysobacter koreensis Dae16|AB166878
Lysobacter niabensis GH34-4|DQ462461
VT1020
VT1022
Luteimonas marina FR1330|EU295459
Luteimonas terricola BZ92r|FJ948107
Luteimonas composti CC-YY255|DQ846687
Luteimonas aestuarii B9|EF660758
Luteimonas mephitis B1953/27.1|AJ012228
Luteimonas aquatica RIB1-20|EF626688
Lysobacter panaciterrae Gsoil 068|AB245359
Lysobacter ginsengisoli Gsoil 357|AB245363
Lysobacter brunescens KCTC 12130|AB161360
Lysobacter dokdonensis DS-58|EF100698
Thermomonas brevis LMG 21746|AJ519989
Thermomonas koreensis Ko06|DQ154906
Silanimonas lenta 25-4|AY557615
Thermomonas hydrothermalis SGM-6|AF542054
Thermomonas haemolytica A50-7-3|AJ300185
Arenimonas oryziterrae YC6267|EU376961
Arenimonas metalli CF5-1|HQ698842
Arenimonas donghaensis HO3-R19|DQ411038
Arenimonas malthae CC-JY-1|DQ239766
Arenimonas composti TR7-09|AM229324
Rudaea cellulosilytica KIS3-4|EU741687
Pseudofulvimonas gallinarii Sa15|FN298515
Aquimonas voraii GPTSA 20|AY544768
Dokdonella ginsengisoli Gsoil 191|AB245362
Dokdonella soli KIS28-6|EU685334
Dokdonella fugitiva A3|AJ969432
Dokdonella koreensis DS-123|AY987368
Dokdonella immobilis LM 2-5|FJ455531
VT0037a
Luteibacter rhizovicinus LJ96|AJ580498
VT0578
Luteibacter anthropi CCUG 25036|FM212561
Luteibacter yeojuensis R2A16-10|DQ181549
Dyella koreensis BB4|AY884571
Dyella soli JS12-10|EU604272
Frateuria aurantia IFO3245|AB091194
Frateuria terrea VA24|EU682683
Dyella ginsengisoli Gsoil 3046|AB245367
Dyella marensis CS5-B2|AM939778
Dyella japonica XD53|AB110498
Dyella terrae JS14-6|EU604273
Fulvimonas soli LMG 19981|AJ311653
Dyella thiooxydans ATSB10|EF397574
Rhodanobacter caeni MJ01|GQ250431
Rhodanobacter thiooxydans LCS2|AB286179
Rhodanobacter ginsengisoli GR17-7|EF166075
Rhodanobacter lindaniclasticus RP5557|AF039167
Rhodanobacter terrae GP18-1|EF166076
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Rhodanobacter soli DCY45|FJ605268
Rhodanobacter spathiphylli B39|AM087226
Rhodanobacter fulvus Jip2|AB100608
Wohlfahrtiimonas chitiniclastica S5|AM397063
Ignatzschineria larvae L1/68|AJ252143
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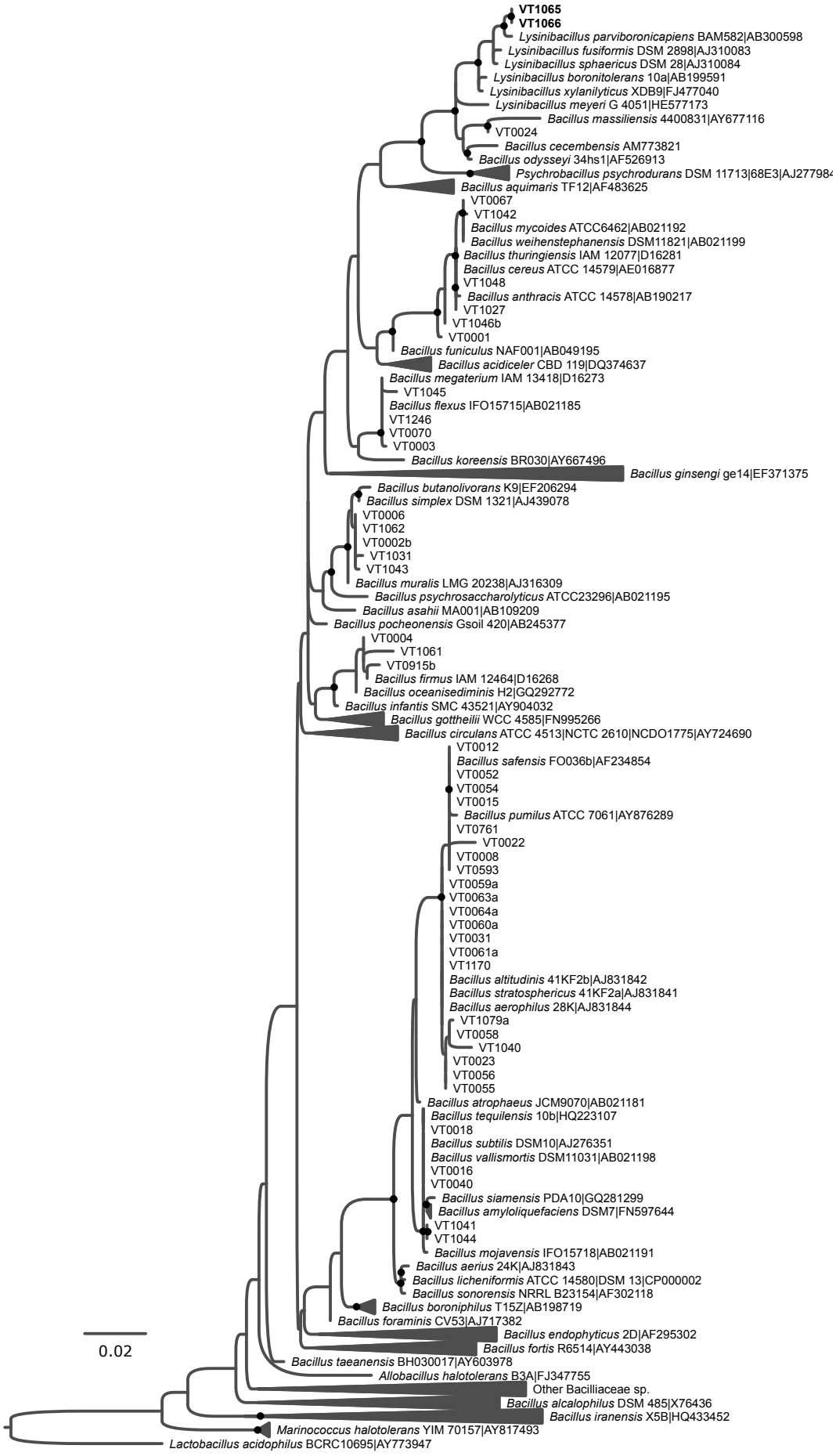
0.03

Figure S5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Bacillus odysseyi 34hs1|AF526913
Psychrobacillus psychrodurans DSM 11713|68E3|AJ27798
Bacillus aquimaris TF12|AF483625
VT0067
VT1042
Bacillus mycoides ATCC6462|AB021192
Bacillus weihenstephanensis DSM11821|AB021199
Bacillus thuringiensis IAM 12077|D16281
Bacillus cereus ATCC 14579|AE016877
VT1048
Bacillus anthracis ATCC 14578|AB190217
VT1027
VT1046b
VT0001
Bacillus funiculus NAF001|AB049195
Bacillus acidiceler CBD 119|DQ374637
Bacillus megaterium IAM 13418|D16273
VT1045
Bacillus flexus IFO15715|AB021185
VT1246
VT0070
VT0003
Bacillus koreensis BR030|AY667496
Bacillus ginsengi ge14|EF371375
Bacillus butanolivorans K9|EF206294
Bacillus simplex DSM 1321|AJ439078
VT0006
VT1062
VT0002b
VT1031
VT1043
Bacillus muralis LMG 20238|AJ316309
Bacillus psychrosaccharolyticus ATCC23296|AB021195
Bacillus asahii MA001|AB109209
Bacillus pocheonensis Gsoil 420|AB245377
VT0004
VT1061
VT0915b
Bacillus firmus IAM 12464|D16268
Bacillus oceanisediminis H2|GQ292772
Bacillus infantis SMC 43521|AY904032
Bacillus gottheilii WCC 4585|FN995266
Bacillus circulans ATCC 4513|NCTC 2610|NCDO1775|AY724690
VT0012
Bacillus safensis FO036b|AF234854
VT0052
VT0054
VT0015
Bacillus pumilus ATCC 7061|AY876289
VT0761
VT0022
VT0008
VT0593
VT0059a
VT0063a
VT0064a
VT0060a
VT0031
VT0061a
VT1170
Bacillus altitudinis 41KF2b|AJ831842
Bacillus stratosphericus 41KF2a|AJ831841
Bacillus aerophilus 28K|AJ831844
VT1079a
VT0058
VT1040
VT0023
VT0056
VT0055
Bacillus atrophaeus JCM9070|AB021181
Bacillus tequilensis 10b|HQ223107
VT0018
Bacillus subtilis DSM10|AJ276351
Bacillus vallismortis DSM11031|AB021198
VT0016
VT0040
Bacillus siamensis PDA10|GQ281299
Bacillus amyloliquefaciens DSM7|FN597644
VT1041
VT1044
Bacillus mojavensis IFO15718|AB021191
Bacillus aerius 24K|AJ831843
Bacillus licheniformis ATCC 14580|DSM 13|CP000002
Bacillus sonorensis NRRL B23154|AF302118
Bacillus boroniphilus T15Z|AB198719
Bacillus foraminis CV53|AJ717382
Bacillus endophyticus 2D|AF295302
Bacillus fortis R6514|AY443038
Bacillus taeanensis BH030017|AY603978
Allobacillus halotolerans B3A|FJ347755
Other Bacilliaceae sp.
Bacillus alcalophilus DSM 485|X76436
Bacillus iranensis X5B|HQ433452
Marinococcus halotolerans YIM 70157|AY817493
Lactobacillus acidophilus BCRC10695|AY773947
0.02

Figure S6