Fig. S1A

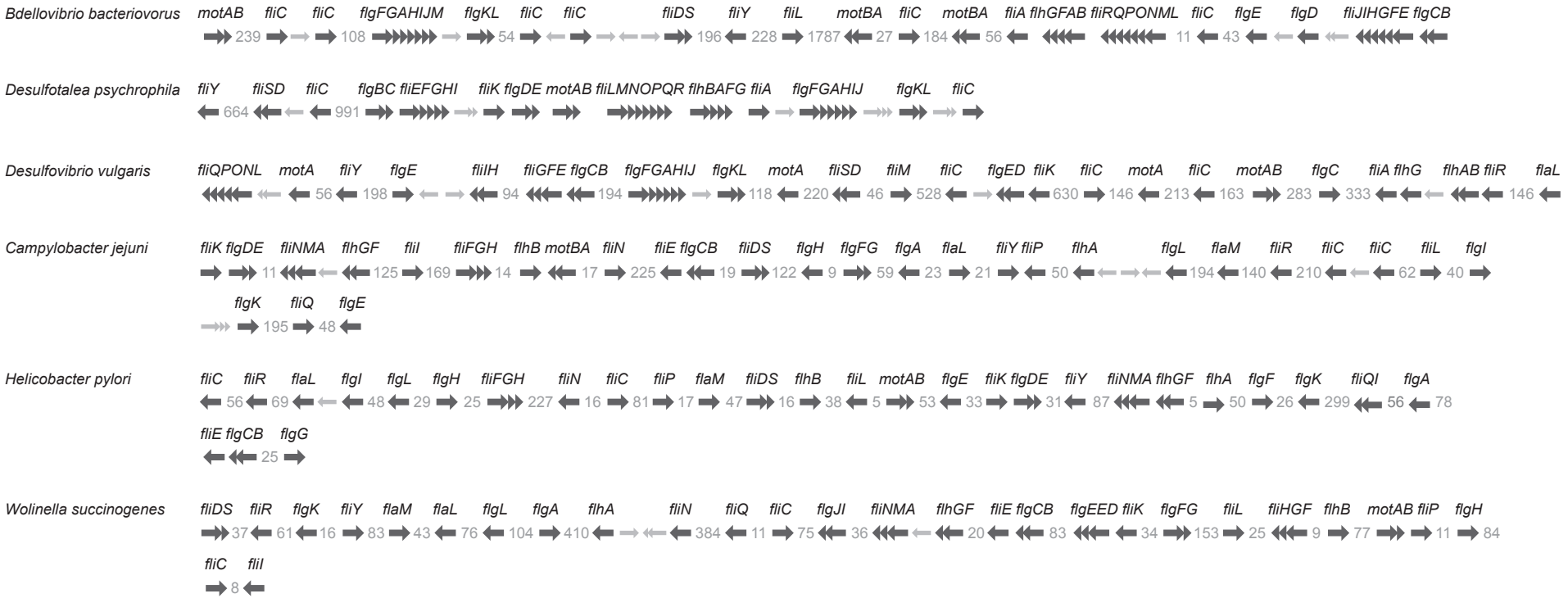
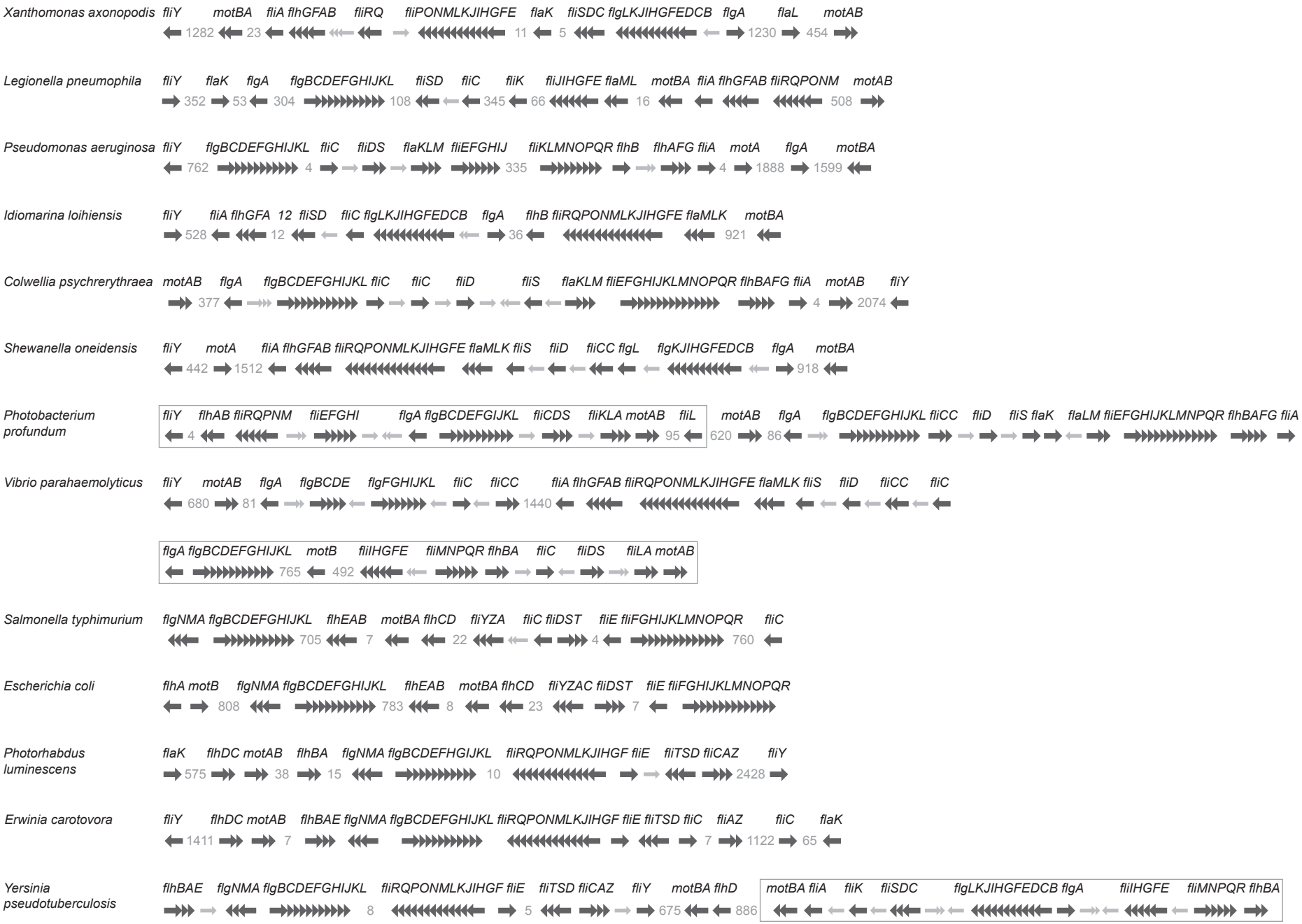

Bdellovibrio bacteriovorus
motAB fliC fliC flgFGAHIJM flgKL fliC fliC fliDS fliY fliL motBA fliC motBA fliA flhGFAB fliRQPONML fliC flgE flgD fliJIHGFE flgCB
239 108 54 196 228 1787 27 184 56 11 43
Desulfotalea psychrophila
fliY fliSD fliC flgBC fliEFGHI fliK flgDE motAB fliLMNOPQR flhBAFG fliA flgFGAHIJ flgKL fliC
664 991
Desulfovibrio vulgaris
fliQPONL motA fliY flgE fliIH fliGFE flgCB flgFGAHIJ flgKL motA fliSD fliM fliC flgED fliK fliC motA fliC motAB flgC fliA flhG flhAB fliR flaL
56 198 94 194 118 220 46 528 630 146 213 163 283 333 146
Campylobacter jejuni
fliK flgDE fliNMA flhGF fliI fliFGH flhB motBA fliN fliE flgCB fliDS flgH flgFG flgA flaL fliY fliP flhA flgL flaM fliR fliC fliC fliL flgI
11 125 169 14 17 225 19 122 9 59 23 21 50 194 140 210 62 40
flgK fliQ flgE
195 48
Helicobacter pylori
fliC fliR flaL flgI flgL flgH fliFGH fliN fliC fliP flaM fliDS flhB fliL motAB flgE fliK flgDE fliY fliNMA flhGF flhA flgF flgK fliQI flgA
56 69 48 29 25 227 16 81 17 47 16 38 5 53 33 31 87 5 50 26 299 56 78
fliE flgCB flgG
25
Wolinella succinogenes
fliDS fliR flgK fliY flaM flaL flgL flgA flhA fliN fliQ fliC flgJI fliNMA flhGF fliE flgCB flgEED fliK flgFG fliL fliHGF flhB motAB fliP flgH
37 61 16 83 43 76 104 410 384 11 75 36 20 83 34 153 25 9 77 11 84
fliC fliI
8

Fig. S1B


Gluconobacter oxydans
motAB fliA flhA fliN fliGF flgD flgJI fliML fliC flgAGF flgLKE flgH fliC flhB fliRQE flgCB fliP fliY fliI
169 111 189 73 86 162 69 253 54 157 40 119
Zymomonas mobilis
motBA flgLKJIHGFEDCB flgA flhAG fliA fliC fliEF fliGHI fliLMNOPQR flhB fliDS flaK flaL
4 4 4 197 274
Caulobacter crescentus
motA fliCCC flgLK flgDE fliFG fliN flhA fliPO flgBC fliE fliQR flhB fliY fliCC motB fliM flgFGAH fliN flgIJ fliC fliI fliA
41 103 40 119 360 18 109 481 108 405 384 63 6
Bradyrhizobium japonicum
fliI flhA flgC fliCDS flgE flgKL motAB fliY flhB fliRQE flgCB fliP fliML flgFGAH flgIJ flgKE
5 966 520 95 175 1831 8 7 13 995
fliR flhA fliQ flgD fliC flgLKE motB fliFCCPL flgH
flgIAG fliE flgC flgB flhB fliGN fliM motA flgF fliI
110
fliK flgD fliFGHN flaM fliA
345
Rhodopseudomonas palustris
flgC fliCDS flgDE flgKL fliFG fliN flaM fliA flgD fliK flaK fliI flhA flgG motAB motB flhB fliRQE flgCB fliP fliML flgFGAH flgIJ flgKE fliY
539 612 19 15 67 254 4 13 354 882 981 6 6 20 750
Mesorhizobium loti
flaL fliA flhB fliGNM motA flgF fliI flgBC flgGAI flgH fliPCCF motB flgEKL flgD fliQ flhA fliR fliY
1602 325 4 11 694
Sinorhizobium meliloti
fliF flhB fliGNM motA flgF fliI flgBC fliE flgGAI flgH fliLPCCCC motB flgEKL flgD fliQ flhA fliR flgJ fliA fliY
4 1624 959
Agrobacterium tumefaciens
fliF fliCC fliCPL flgH flgIAG fliE flgCB fliI flgF motA fliMNG flhB fliC motB flgEKL flgD fliQ flhA fliR fliY fliA
17 4 1275 280
Chromobacterium violaceum
flgAMN motA fliA flhGFAB
19 673
flgA flgBCDEFGHIKL
103 211 277 189 382 80 14
motB motAB fliD fliC flgLKJIHGFEDCB fliY
flgJ motBA fliA fliSD fliIHGF fliMNPQR flhBA fliC
112
fliRQ
fliPONMLKJIGFE flaM flaL fliD fliSD fliCC
306 283 145
Bordetella bronchiseptica
fliY fliCA flhDC motAB flhBAF flgMA flgBCDEFGHIJKL fliRQPONMLKJIHGF fliE fliTSD
35 8 4
Burkholderia pseudomallei
fliLMNOPQR fliKJIHGF fliEST flgN flgA flgBCDEFGHIJ flgKL fliY fliA flhGFAB motBA flhCD fliCD
195 32 1557 1420 12 7

Fig. S1C


Xanthomonas axonopodis
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1282 23 11 5 1230 454
Legionella pneumophila
fliY flaK flgA flgBCDEFGHIJKL fliSD fliC fliK fliJIHGFE flaML motBA fliA flhGFAB fliRQPONM motAB
352 53 304 108 345 66 16 508
Pseudomonas aeruginosa
fliY flgBCDEFGHIJKL fliC fliDS flaKLM fliEFGHIJ fliKLMNOPQR flhB flhAFG fliA motA flgA motBA
762 4 335 4 1888 1599
Idiomarina loihiensis
fliY fliA flhGFA 12 fliSD fliC flgLKJIHGFEDCB flgA flhB fliRQPONMLKJIHGFE flaMLK motBA
528 12 36 921
Colwellia psychrerythraea
motAB flgA flgBCDEFGHIJKL fliC fliC fliD fliS flaKLM fliEFGHIJKLMNOPQR flhBAFG fliA motAB fliY
377 4 2074
Shewanella oneidensis
fliY motA fliA flhGFAB fliRQPONMLKJIHGFE flaMLK fliS fliD fliCC flgL flgKJIHGFEDCB flgA motBA
442 1512 918
Photobacterium profundum
fliY flhAB fliRQPNM fliEFGHI flgA flgBCDEFGIJKL fliCDS fliKLA motAB fliL
4 95
motAB flgA flgBCDEFGHIJKL fliCC fliD fliS flaK flaLM fliEFGHIJKLMNPQR flhBAFG fliA
620 86
Vibrio parahaemolyticus
fliY motAB flgA flgBCDE flgFGHIJKL fliC fliCC fliA flhGFAB fliRQPONMLKJIHGFE flaMLK fliS fliD fliCC fliC
680 81 1440
flgA flgBCDEFGHIJKL motB fliIHGFE fliMNPQR flhBA fliC fliDS fliLA motAB
765 492
Salmonella typhimurium
flgNMA flgBCDEFGHIJKL flhEAB motBA flhCD fliYZA fliC fliDST fliE fliFGHIJKLMNOPQR fliC
705 7 22 4 760
Escherichia coli
flhA motB flgNMA flgBCDEFGHIJKL flhEAB motBA flhCD fliYZAC fliDST fliE fliFGHIJKLMNOPQR
808 783 8 23 7
Photorhabdus luminescens
flaK flhDC motAB flhBA flgNMA flgBCDEFHGIJKL fliRQPONMLKJIHGF fliE fliTSD fliCAZ fliY
575 38 15 10 2428
Erwinia carotovora
fliY flhDC motAB flhBAE flgNMA flgBCDEFGHIJKL fliRQPONMLKJIHGF fliE fliTSD fliC fliAZ fliC flaK
1411 7 7 1122 65
Yersinia pseudotuberculosis
flhBAE flgNMA flgBCDEFGHIJKL fliRQPONMLKJIHGF fliE fliTSD fliCAZ fliY motBA flhD
8 5 675 886
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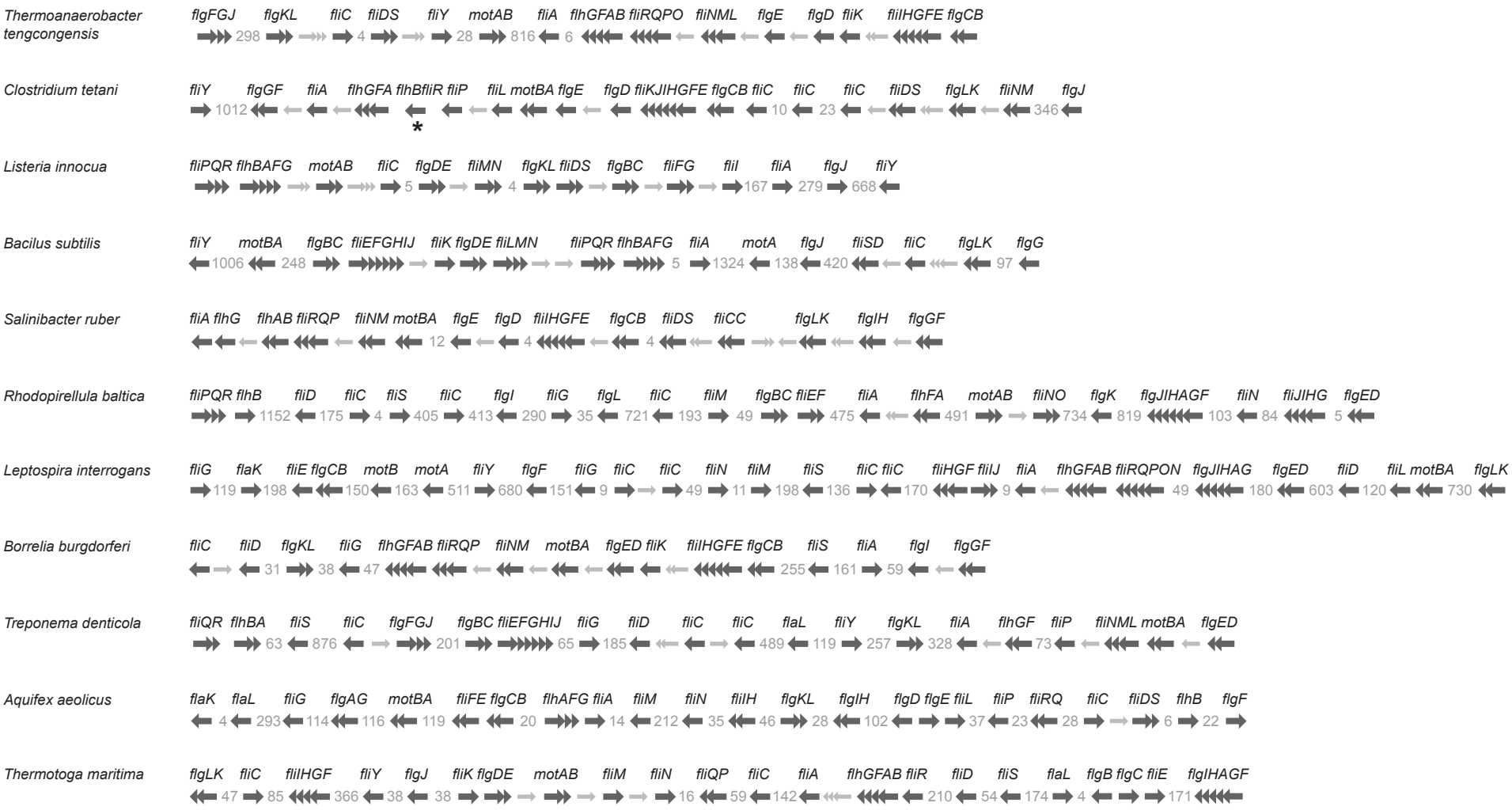
Fig. S1D




* Two genes, *flhB* and *fliR*, are fused in *C. tetani*.