Table S2a: non-normalized abundance table (number of reads (V4 region) per samples)

| Samples | Wigglesworthia | Other bacteria |
|---|---|---|
| J1-10_S76 | 809 | 36 |
| J1-11_S112 | 16300 | 6 |
| J1-21_S88 | 16669 | 21 |
| J1-23_S94 | 22786 | 79 |
| J1-28_S14 | 27999 | 35 |
| J1-31_S49 | 39896 | 133 |
| J100-7_S38 | 59274 | 8 |
| J11-6_S63 | 21381 | 10 |
| J11-7_S71 | 7 | 6 |
| J12-1_S56 | 17482 | 55 |
| J15-4_S58 | 54733 | 72 |
| J15-5_S119 | 415 | 13 |
| J16-13_S103 | 22445 | 4 |
| J16-14_S55 | 19417 | 23 |
| J16-16_S39 | 1816 | 19 |
| J16-1_S168 | 243 | 25 |
| J16-23_S69 | 31895 | 17 |
| J16-33_S158 | 23704 | 1 |
| J16-34_S160 | 6763 | 2 |
| J16-35_S75 | 20073 | 12 |
| J16-37_S189 | 21890 | 11 |
| J16-40_S64 | 94747 | 69 |
| J16-41_S102 | 9526 | 16 |
| J16-43_S21 | 5727 | 20 |
| J16-45_S82 | 16203 | 52 |
| J16-51_S50 | 65869 | 219 |
| J16-53_S169 | 10706 | 4 |
| J17-11_S24 | 3067 | 7 |
| J17-20_S120 | 21031 | 9 |
| J17-23_S81 | 20343 | 44 |
| J17-27_S142 | 34042 | 21 |
| J17-42_S12 | 14571 | 33 |
| J17-6_S20 | 31353 | 20 |
| J18-10_S40 | 1997 | 71 |
| J18-11_S42 | 2940 | 21 |
| J18-13_S148 | 21028 | 17 |
| J18-14_S99 | 14300 | 10 |
| J18-15_S166 | 45561 | 32 |
| J18-16_S35 | 3833 | 259 |
| J18-17_S72 | 17752 | 19 |
| J18-18_S77 | 10382 | 6 |
| J18-18bis_S17 | 7375 | 5 |
| J18-24_S111 | 18218 | 2041 |
| J18-25_S184 | 16520 | 3 |
| J18-27_S122 | 17528 | 2 |
| J18-34_S26 | 21880 | 15 |
| J18-37_S53 | 69436 | 9 |

| | | |
|---|---|---|
| J18-38_S147 | 22966 | 9 |
| J18-45_S175 | 13474 | 11 |
| J18-9_S136 | 9957 | 4 |
| J19-10_S87 | 10126 | 80 |
| J19-17_S127 | 15382 | 20 |
| J19-1_S157 | 13215 | 1 |
| J19-20_S9 | 36150 | 36 |
| J19-22_S182 | 9445 | 14 |
| J2-5_S18 | 39434 | 10 |
| J2-6_S186 | 4553 | 12 |
| J2-7_S22 | 22111 | 8 |
| J2-8_S151 | 11085 | 8 |
| J20-10_S66 | 34678 | 11 |
| J20-25_S30 | 31035 | 134 |
| J20-27_S98 | 1430 | 0 |
| J20-31_S29 | 29015 | 1 |
| J20-34_S59 | 26968 | 7 |
| J20-4_S95 | 164 | 45 |
| J20-4bis_S101 | 149 | 2 |
| J20-7_S45 | 20844 | 31 |
| J20-9_S44 | 38676 | 18 |
| J21-10_S37 | 56879 | 11 |
| J22-13_S130 | 4513 | 12 |
| J22-1_S183 | 6229 | 5 |
| J22-2_S152 | 3338 | 14 |
| J22-7_S143 | 21113 | 20 |
| J23-6_S92 | 9333 | 16 |
| J23-7_S114 | 20876 | 2 |
| J24-10_S36 | 19544 | 40 |
| J25-3_S164 | 48043 | 45 |
| J26-1_S17 | 18153 | 13 |
| J26-2_S128 | 13996 | 3 |
| J27-13_S190 | 31006 | 5 |
| J28-10_S150 | 2333 | 7 |
| J28-5_S149 | 7294 | 15 |
| J28-9_S91 | 12691 | 3 |
| J29-16_S80 | 8488 | 25 |
| J29-17_S61 | 9938 | 39 |
| J29-17bis_S13 | 8318 | 3 |
| J3-4_S181 | 16377 | 70 |
| J30-19_S170 | 54958 | 2 |
| J30-6_S165 | 9993 | 12 |
| J30-8_S133 | 3058 | 33 |
| J30-9_S83 | 14382 | 10 |
| J31-15_S16 | 38516 | 10 |
| J31-15bis_S10 | 17529 | 10 |
| J31-18_S1 | 46586 | 725 |
| J31-25_S6 | 38884 | 14 |
| J31-26_S138 | 26292 | 10 |
| J32-2_S25 | 23436 | 74 |

| | | |
|---|---|---|
| J32-5_S153 | 29938 | 13 |
| J33-13_S100 | 13548 | 7 |
| J34-16_S106 | 26473 | 3 |
| J34-2_S47 | 17896 | 9 |
| J34-2bis_S118 | 25049 | 17 |
| J34-3_S33 | 67066 | 21 |
| J34-4_S46 | 9661 | 39 |
| J35-15_S15 | 30992 | 12 |
| J35-8_S129 | 16476 | 14 |
| J35-9_S74 | 18957 | 16 |
| J36-13_S154 | 18349 | 5 |
| J36-1_S105 | 25023 | 6 |
| J36-3_S173 | 11934 | 2 |
| J37-1_S115 | 38915 | 19 |
| J37-1bis_S62 | 110312 | 69 |
| J38-1_S134 | 5102 | 25 |
| J38-3_S51 | 59617 | 23 |
| J39-4_S161 | 24287 | 1 |
| J39-6_S68 | 12390 | 46 |
| J4-10_S176 | 35515 | 36 |
| J4-16_S31 | 16761 | 24 |
| J4-17_S32 | 32127 | 26 |
| J4-25_S146 | 7702 | 7 |
| J4-32_S121 | 551 | 7 |
| J40-10_S178 | 4052 | 2 |
| J40-11_S135 | 4385 | 29 |
| J40-14_S28 | 25964 | 18 |
| J40-1a_S34 | 267 | 12 |
| J40-1b_S97 | 6394 | 8 |
| J40-2_S79 | 6501 | 40 |
| J40-4_S163 | 11296 | 4 |
| J40-7_S162 | 47002 | 13 |
| J41-5_S93 | 15769 | 60 |
| J41-8_S167 | 15236 | 5 |
| J42-4_S132 | 5619 | 1 |
| J42-6_S113 | 9938 | 10 |
| J45-3_S117 | 19055 | 7 |
| J46-3_S23 | 35944 | 2 |
| J47-12_S84 | 27149 | 6 |
| J47-16_S13 | 41415 | 2 |
| J47-17_S43 | 19339 | 458 |
| J47-20_S174 | 50964 | 100 |
| J47-23_S159 | 13260 | 17 |
| J47-2_S116 | 16966 | 16 |
| J47-2bis_S48 | 29735 | 40 |
| J47-31_S137 | 43043 | 4 |
| J47-6_S4 | 41395 | 7 |
| J47-9_S78 | 27558 | 11 |
| J47-9bis_S180 | 24602 | 2 |
| J48-4_S3 | 43774 | 11 |

| | | |
|---|---|---|
| J52-14_S171 | 19161 | 3 |
| J52-6_S124 | 20423 | 0 |
| J55-14_S5 | 38259 | 50 |
| J55-43_S86 | 20676 | 13 |
| J56-1_S177 | 3078 | 8 |
| J58-1_S187 | 2411 | 5 |
| J58-24_S140 | 28287 | 14 |
| J58-2_S185 | 33748 | 147 |
| J59-4_S73 | 24584 | 10 |
| J6-2_S144 | 25273 | 62 |
| J6-3_S27 | 961 | 13 |
| J6-5_S145 | 30975 | 1 |
| J60-18_S172 | 45988 | 223 |
| J65-36_S110 | 30577 | 50 |
| J68-3_S139 | 2948 | 9 |
| J68-9_S126 | 21622 | 25 |
| J7-1_S57 | 6002 | 53 |
| J7-1bis_S191 | 9880 | 3 |
| J7-9_S89 | 23723 | 25 |
| J70-8_S107 | 10808 | 18 |
| J73-49_S125 | 25895 | 0 |
| J73-51_S123 | 16717 | 7 |
| J73-68_S7 | 22761 | 161 |
| J77-12_S8 | 16824 | 22 |
| J78-56_S70 | 27363 | 16 |
| J79-43_S156 | 8409 | 5 |
| J79-98_S65 | 39059 | 176 |
| J79-99_S67 | 36661 | 15 |
| J8-5_S10 | 23726 | 54 |
| J8-6_S11 | 11618 | 15 |
| J8-9_S60 | 21642 | 77 |
| J80-115_S52 | 82340 | 21 |
| J80-116_S155 | 25209 | 3 |
| J80-117_S54 | 27970 | 1 |
| J83-3_S108 | 22823 | 9 |
| J84-21_S85 | 28453 | 0 |
| J88-1_S109 | 18258 | 120 |
| J89-8_S141 | 32 | 5 |
| J9-6_S41 | 28293 | 26 |
| J9-8_S90 | 20264 | 33 |
| J9-9_S2 | 18670 | 1 |
| J94-4_S188 | 35329 | 1 |
| J95-11_S19 | 22990 | 22 |
| NTC-1_S96 | 10 | 19 |
| NTC-2_S192 | 281 | 8 |
| total | 4227129 | 8241 |

Table S2b: non-normalized abundance table (number of reads (V3V4 region) per samples)

| Samples | Wigglesworthia | Others bacteria |
|---|---|---|
| J1-10_S76 | 183 | 10 |
| J1-11_S112 | 8995 | 2 |
| J1-21_S88 | 3996 | 10 |
| J1-23_S94 | 8330 | 22 |
| J1-28_S14 | 13561 | 7 |
| J1-31_S49 | 13105 | 62 |
| J100-7_S38 | 17800 | 4 |
| J11-6_S63 | 3409 | 4 |
| J11-7_S71 | 7 | 12 |
| J12-1_S56 | 4219 | 45 |
| J15-4_S58 | 12386 | 13 |
| J15-5_S119 | 158 | 14 |
| J16-13_S103 | 14473 | 2 |
| J16-14_S55 | 4126 | 5 |
| J16-16_S39 | 465 | 6 |
| J16-1_S168 | 172 | 3 |
| J16-23_S69 | 11052 | 12 |
| J16-33_S158 | 12266 | 2 |
| J16-34_S160 | 3581 | 3 |
| J16-35_S75 | 4718 | 4 |
| J16-37_S189 | 3825 | 2 |
| J16-40_S64 | 24113 | 24 |
| J16-41_S102 | 6035 | 8 |
| J16-43_S21 | 1450 | 11 |
| J16-45_S82 | 2369 | 6 |
| J16-51_S50 | 15286 | 41 |
| J16-53_S169 | 9077 | 3 |
| J17-11_S24 | 892 | 5 |
| J17-20_S120 | 11004 | 0 |
| J17-23_S81 | 4191 | 4 |
| J17-27_S142 | 17272 | 309 |
| J17-42_S12 | 4070 | 8 |
| J17-6_S20 | 7299 | 6 |
| J18-10_S40 | 570 | 3 |
| J18-11_S42 | 490 | 16 |
| J18-13_S148 | 9994 | 25 |
| J18-14_S99 | 9927 | 0 |
| J18-15_S166 | 27647 | 32 |
| J18-16_S35 | 1319 | 72 |
| J18-17_S72 | 5129 | 6 |
| J18-18_S77 | 2972 | 3 |
| J18-18bis_S17 | 10565 | 5 |
| J18-24_S111 | 6978 | 10 |
| J18-25_S184 | 9191 | 3 |
| J18-27_S122 | 11978 | 3 |
| J18-34_S26 | 3606 | 8 |
| J18-37_S53 | 13057 | 2 |

| | | |
|---|---|---|
| J18-38_S147 | 13784 | 11 |
| J18-45_S175 | 13462 | 16 |
| J18-9_S136 | 5448 | 3 |
| J19-10_S87 | 4063 | 6 |
| J19-17_S127 | 6469 | 10 |
| J19-1_S157 | 6099 | 1 |
| J19-20_S9 | 8629 | 1 |
| J19-22_S182 | 5073 | 4 |
| J2-5_S18 | 14455 | 5 |
| J2-6_S186 | 2583 | 3 |
| J2-7_S22 | 11107 | 7 |
| J2-8_S151 | 9079 | 2 |
| J20-10_S66 | 5828 | 2 |
| J20-25_S30 | 7975 | 25 |
| J20-27_S98 | 9591 | 4 |
| J20-31_S29 | 11228 | 0 |
| J20-34_S59 | 3360 | 2 |
| J20-4_S95 | 62 | 29 |
| J20-4bis_S101 | 56 | 11 |
| J20-7_S45 | 3995 | 5 |
| J20-9_S44 | 8885 | 7 |
| J21-10_S37 | 16042 | 4 |
| J22-13_S130 | 3787 | 0 |
| J22-1_S183 | 3567 | 2 |
| J22-2_S152 | 2217 | 1 |
| J22-7_S143 | 12884 | 8 |
| J23-6_S92 | 2990 | 2 |
| J23-7_S114 | 13521 | 2 |
| J24-10_S36 | 3237 | 7 |
| J25-3_S164 | 26607 | 38 |
| J26-1_S17 | 1639 | 10 |
| J26-2_S128 | 11218 | 0 |
| J27-13_S190 | 14335 | 1 |
| J28-10_S150 | 1412 | 1 |
| J28-5_S149 | 4231 | 7 |
| J28-9_S91 | 4405 | 0 |
| J29-16_S80 | 5878 | 22 |
| J29-17_S61 | 1271 | 8 |
| J29-17bis_S13 | 3610 | 2 |
| J3-4_S181 | 12022 | 54 |
| J30-19_S170 | 37903 | 2 |
| J30-6_S165 | 7487 | 4 |
| J30-8_S133 | 1582 | 31 |
| J30-9_S83 | 3605 | 5 |
| J31-15_S16 | 7298 | 3 |
| J31-15bis_S10 | 7733 | 0 |
| J31-18_S1 | 1438 | 14 |
| J31-25_S6 | 9759 | 1 |
| J31-26_S138 | 15451 | 0 |
| J32-2_S25 | 7555 | 19 |

| | | |
|---|---|---|
| J32-5_S153 | 24619 | 245 |
| J33-13_S100 | 15219 | 2 |
| J34-16_S106 | 13770 | 2 |
| J34-2_S47 | 3711 | 4 |
| J34-2bis_S118 | 10732 | 5 |
| J34-3_S33 | 11117 | 6 |
| J34-4_S46 | 2819 | 8 |
| J35-15_S15 | 6890 | 8 |
| J35-8_S129 | 11315 | 0 |
| J35-9_S74 | 5614 | 4 |
| J36-13_S154 | 9568 | 3 |
| J36-1_S105 | 14765 | 1 |
| J36-3_S173 | 10010 | 3 |
| J37-1_S115 | 8532 | 7 |
| J37-1bis_S62 | 30765 | 27 |
| J38-1_S134 | 3850 | 17 |
| J38-3_S51 | 5553 | 0 |
| J39-4_S161 | 18998 | 0 |
| J39-6_S68 | 3142 | 3 |
| J4-10_S176 | 15053 | 14 |
| J4-16_S31 | 3920 | 3 |
| J4-17_S32 | 8686 | 18 |
| J4-25_S146 | 4473 | 2 |
| J4-32_S121 | 155 | 8 |
| J40-10_S178 | 5007 | 4 |
| J40-11_S135 | 2351 | 6 |
| J40-14_S28 | 7644 | 16 |
| J40-1a_S34 | 53 | 7 |
| J40-1b_S97 | 10932 | 9 |
| J40-2_S79 | 1455 | 12 |
| J40-4_S163 | 10591 | 1 |
| J40-7_S162 | 27215 | 5 |
| J41-5_S93 | 5435 | 436 |
| J41-8_S167 | 13065 | 4 |
| J42-4_S132 | 6863 | 2 |
| J42-6_S113 | 2678 | 2 |
| J45-3_S117 | 8814 | 5 |
| J46-3_S23 | 13170 | 1 |
| J47-12_S84 | 9019 | 3 |
| J47-16_S13 | 9975 | 0 |
| J47-17_S43 | 3642 | 82 |
| J47-20_S174 | 11954 | 14 |
| J47-23_S159 | 7541 | 6 |
| J47-2_S116 | 7224 | 3 |
| J47-2bis_S48 | 7563 | 9 |
| J47-31_S137 | 28124 | 0 |
| J47-6_S4 | 7526 | 3 |
| J47-9_S78 | 7883 | 1 |
| J47-9bis_S180 | 14838 | 4 |
| J48-4_S3 | 12025 | 6 |

| | | |
|---|---|---|
| J52-14_S171 | 10984 | 0 |
| J52-6_S124 | 13001 | 3 |
| J55-14_S5 | 8588 | 4 |
| J55-43_S86 | 7050 | 10 |
| J56-1_S177 | 2480 | 1 |
| J58-1_S187 | 1296 | 0 |
| J58-24_S140 | 8628 | 2 |
| J58-2_S185 | 833 | 16487 |
| J59-4_S73 | 9146 | 1 |
| J6-2_S144 | 14507 | 29 |
| J6-3_S27 | 316 | 11 |
| J6-5_S145 | 17844 | 0 |
| J60-18_S172 | 27903 | 141 |
| J65-36_S110 | 10813 | 17 |
| J68-3_S139 | 2320 | 9 |
| J68-9_S126 | 13343 | 13 |
| J7-1_S57 | 1066 | 17 |
| J7-1bis_S191 | 6185 | 2 |
| J7-9_S89 | 9460 | 13 |
| J70-8_S107 | 3065 | 5 |
| J73-49_S125 | 9328 | 1 |
| J73-51_S123 | 6298 | 1 |
| J73-68_S7 | 7335 | 69 |
| J77-12_S8 | 5316 | 5 |
| J78-56_S70 | 6673 | 6 |
| J79-43_S156 | 5779 | 1 |
| J79-98_S65 | 2603 | 11 |
| J79-99_S67 | 9974 | 9 |
| J8-5_S10 | 6030 | 30 |
| J8-6_S11 | 3487 | 8 |
| J8-9_S60 | 6043 | 9 |
| J80-115_S52 | 25498 | 3 |
| J80-116_S155 | 12874 | 1 |
| J80-117_S54 | 9840 | 0 |
| J83-3_S108 | 9812 | 0 |
| J84-21_S85 | 11764 | 3 |
| J88-1_S109 | 8324 | 2 |
| J89-8_S141 | 6 | 0 |
| J9-6_S41 | 9545 | 21 |
| J9-8_S90 | 3984 | 5 |
| J9-9_S2 | 6933 | 9 |
| J94-4_S188 | 1385 | 0 |
| J95-11_S19 | 2144 | 25 |
| Total | 1578889 | 19274 |
| %tage | 98,79565944 | 1,20600965 |