

Supplementary Table S2. Metadata for Study Isolates and 96 Isolates Retrieved from the NCBI Database

| Isolates | ST | Type of samples | Date of isolation | Country |
|-----------------|-----|-----------------------|-------------------|--------------|
| Reference | 1 | PIF | 2000 | USA |
| GCA_003207095.1 | 1 | Clinical | 2006 | New zealand |
| GCA_013186105.1 | 1 | PIF | 2011 | China |
| GCA_002942365.1 | 446 | flour | 2006 | USA |
| CFS2788 | 1 | Raw material | 2011 | Ireland |
| CFS2786 | 1 | Raw material | 2011 | Ireland |
| GCA_003207275.1 | 1 | Clinical | 2005 | New zealand |
| GCA_013425995.1 | 1 | Clinical | 2017 | Poland |
| GCA_011605495.1 | 1 | PIF | 2018 | China |
| GCA_002974645.1 | 1 | flour | 2004 | USA |
| GCA_016576925.1 | 1 | Clinical | 2018 | USA |
| GCA_011605555.1 | 1 | PIF | 2018 | China |
| GCF_011605525.1 | 1 | PIF | 2018 | China |
| GCA_011605585.1 | 1 | PIF | 2018 | China |
| GCA_011605455.1 | 1 | PIF | 2018 | China |
| CFS1160 | 1 | Environmental samples | 2012 | Ireland |
| GCA_025630735.1 | 1 | soil | 2012 | Saudi Arabia |
| CFS1155 | 1 | Environmental samples | 2012 | Ireland |
| GCA_030026205.1 | 1 | PIF environment | 2018 | Ireland |
| CFS1169 | 1 | Environmental samples | 2012 | Ireland |
| CFS1154 | 1 | Environmental samples | 2012 | Ireland |
| GCA_030025815.1 | 375 | PIF environment | 2023 | Ireland |
| GCA_030023565.1 | 1 | PIF environment | 2018 | Ireland |
| GCA_030024135.1 | 1 | PIF environment | 2018 | Ireland |
| GCA_030023545.1 | 1 | PIF environment | 2012 | Ireland |
| CFS1161 | 1 | Environmental samples | 2012 | Ireland |
| CFS1159 | 1 | Environmental samples | 2012 | Ireland |
| CFS1157 | 1 | Environmental samples | 2012 | Ireland |
| CFS1156 | 1 | Environmental samples | 2012 | Ireland |
| CFS1158 | 1 | Environmental samples | 2012 | Ireland |
| GCF_013186145.1 | 260 | PIF | 2010 | China |
| GCA_002977835.1 | 136 | food | 2007 | China |
| GCF_002532395.1 | 136 | nut | 2011 | South Korea |
| GCA_002977355.1 | 136 | food | 2012 | China |

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|-----------------|-----|--|------|-------------|
| GCA_000263215.1 | 125 | ground whole grains | 2012 | South Korea |
| GCA_008119835.1 | 458 | PIF | 2009 | Israel |
| GCA_024176145.1 | 233 | environmental sample | 2014 | USA |
| GCA_013186285.1 | 259 | PIF | 2009 | China |
| GCA_003207495.1 | 21 | Clinical | 2006 | Canada |
| GCA_002974635.1 | 21 | sodium caseinate | 2005 | USA |
| GCA_002977435.1 | 475 | food | 2015 | China |
| GCA_011605645.1 | 188 | PIF | 2018 | China |
| GCA_002532375.1 | 93 | barely | 2009 | South Korea |
| GCA_002532355.1 | 73 | dried seaweed | 2009 | South Korea |
| GCA_030125795.1 | 73 | Clinical | 2011 | Switzerland |
| GCA_013186045.1 | 31 | Clinical | 2012 | China |
| GCA_003207405.1 | 375 | Clinical | 2005 | Poland |
| GCA_003207775.1 | 375 | Clinical | 2005 | Poland |
| GCA_003206415.1 | 375 | Clinical | 2006 | New zealand |
| GCA_003207055.1 | 375 | Clinical | 2006 | New zealand |
| GCA_027667165.1 | 256 | stool | 2014 | China |
| GCA_002976815.1 | 58 | food | 2016 | China |
| GCA_002942405.1 | 148 | Carrot | 2005 | USA |
| GCF_002071765.2 | 4 | environmental swab sponge powder infant formula manufacturing facility | 2011 | Switzerland |
| GCA_003062265.1 | 83 | environmental | 2006 | USA |
| GCA_003206395.1 | 42 | Clinical | 2005 | Poland |
| GCA_013186205.1 | 269 | PIF | 2010 | China |
| GCA_023239145.1 | 334 | cat food | 2021 | USA |
| GCA_023239165.1 | 334 | cat food | 2021 | USA |
| GCA_023231675.1 | 334 | cat food | 2021 | USA |
| GCA_023239105.1 | 334 | cat food | 2021 | USA |
| CFS1304 | 99 | Casein Powder | 2011 | Ireland |
| CFS1370 | 99 | Casein powder | 2011 | Ireland |
| CFS1362 | 4 | PIF | 2011 | Ireland |
| GCA_002977275.1 | 37 | food | 2012 | China |
| GCA_022618495.1 | 40 | environmental swab sponge | 2022 | USA |
| GCA_029300235.1 | 40 | environmental swab sponge | 2023 | USA |
| GCA_000698225.1 | 40 | swab from food processing facility | 2008 | Ireland |
| GCA_013186185.1 | 40 | PIF | 2009 | China |
| CFS1176 | 40 | Environmental samples | 2012 | Ireland |

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|-----------------|-----|-----------------|------|-----------------|
| GCA_013421565.1 | 8 | Stool | 2019 | China |
| GCA_002977955.1 | 226 | food | 2012 | China |
| GCA_013186325.1 | 8 | PIF | 2009 | China |
| GCA_003206925.1 | 13 | Clinical | 2006 | France |
| GCA_003207115.1 | 13 | Clinical | 2006 | France |
| GCA_003206905.1 | 13 | Clinical | 2005 | New zealand |
| GCA_003207755.1 | 13 | Clinical | 2005 | New zealand |
| GCA_003207005.1 | 13 | Clinical | 2006 | New zealand |
| GCA_003206445.1 | 13 | Clinical | 2005 | New zealand |
| GCA_003206985.1 | 13 | Clinical | 2006 | USA |
| GCA_023805435.1 | 184 | PIF | 2021 | China |
| GCA_017844945.1 | 64 | Soil | 2016 | China |
| GCA_001735615.2 | 64 | environmental | 2015 | Germany |
| GCA_002107825.1 | 64 | Spice | 2008 | Jordan |
| GCA_009938585.1 | 722 | water | 2011 | China |
| GCA_013186295.1 | 22 | PIF | 2009 | China |
| GCA_023687285.1 | 4 | environmental | 2022 | USA |
| GCF_003206935.1 | 4 | Clinical | 2006 | New zealand |
| GCA_028576695.1 | 4 | Noodle | 2010 | China |
| CFS1297 | 4 | Curd | 2011 | Ireland |
| CFS1322 | 4 | PIF | 2011 | Ireland |
| CFS1328 | 99 | PIF | 2011 | Ireland |
| CFS1377 | 4 | Curd | 2011 | Ireland |
| GCA_030026105.1 | 4 | PIF environment | 2018 | Ireland |
| GCA_003207145.1 | 4 | Clinical | 2006 | Italy |
| GCA_016076265.1 | 4 | PIF | 2011 | USA |
| GCA_027277245.1 | 4 | PIF | 2017 | Switzerlan d |
| GCA_027277185.1 | 4 | PIF | 2022 | Switzerlan d |
| GCF_027277175.1 | 4 | PIF | 2012 | Switzerlan d |
| GCA_028577215.1 | 4 | Stool | 2013 | China |
| GCA_003207575.1 | 4 | Clinical | 2006 | New zealand |
| GCA_022648965.1 | 4 | Clinical | 2010 | USA |
| GCA_028577195.1 | 4 | Noodle | 2012 | China |
| GCA_028577555.1 | 4 | Noodle | 2012 | China |
| GCF_025345545.1 | 4 | food | 2020 | China |

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|-----------------|---|--|------|-------------|
| GCA_020869275.1 | 4 | food | 2018 | China |
| GCA_015353895.1 | 4 | environmental swab sponge powder infant formula manufacturing facility | 2015 | Germany |
| GCA_002942225.1 | 4 | instant oatmeal with strawberries and cream | 2005 | USA |
| GCA_027277105.1 | 4 | PIF | 2022 | Switzerland |
| GCA_027277125.1 | 4 | PIF | 2019 | Switzerland |
| GCA_028577115.1 | 4 | Rice Noodle of Infant | 2012 | China |
| GCA_030126705.1 | 4 | Clinical | 2015 | Israel |
| GCA_001277275.1 | 4 | Milk | 1980 | UK |
| GCA_013186115.1 | 4 | PIF | 2011 | China |
| GCA_002075735.1 | 4 | environmental swab sponge powder infant formula manufacturing facility | 2012 | Switzerland |