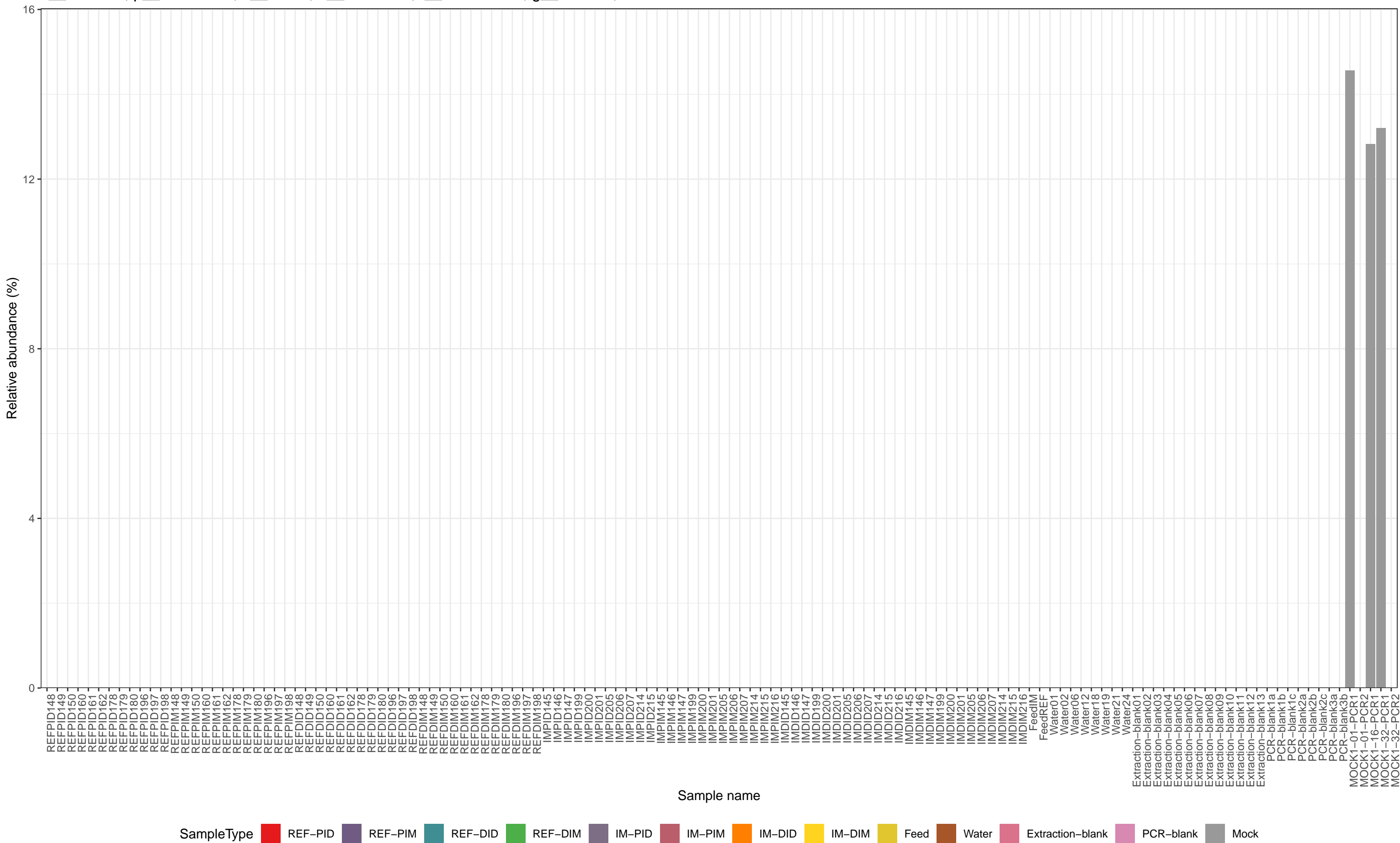
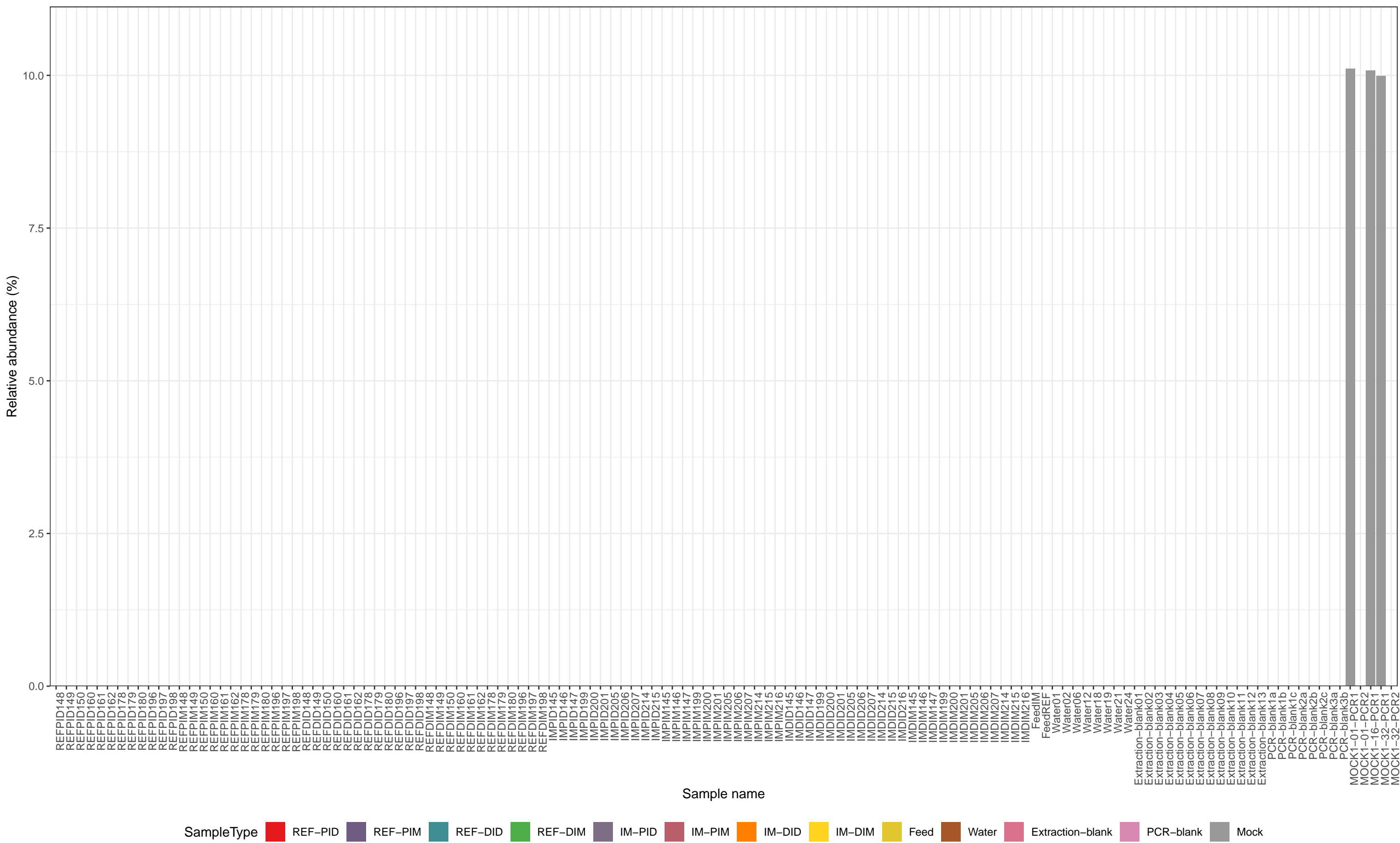


k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Bacillales; f\_\_Bacillaceae; g\_\_Bacillus; NA



k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Enterobacteriales; f\_\_Enterobacteriaceae; g\_\_Salmonella; NA



k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Enterobacteriales; f\_\_Enterobacteriaceae; g\_\_Salmonella; NA

Relative abundance (%)

10

5

0

REFPID148  
REFPID149  
REFPID150  
REFPID160  
REFPID161  
REFPID162  
REFPID178  
REFPID179  
REFPID180  
REFPID196  
REFPID197  
REFPID198  
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IMDIM216  
FeedIM  
FeedREF  
Water01  
Water02  
Water06  
Water12  
Water18  
Water19  
Water21  
Water24  
Extraction-blank01  
Extraction-blank02  
Extraction-blank03  
Extraction-blank04  
Extraction-blank05  
Extraction-blank06  
Extraction-blank07  
Extraction-blank08  
Extraction-blank09  
Extraction-blank10  
Extraction-blank11  
Extraction-blank12  
Extraction-blank13  
PCR-blank1a  
PCR-blank1b  
PCR-blank1c  
PCR-blank2a  
PCR-blank2b  
PCR-blank2c  
PCR-blank3a  
PCR-blank3b  
MOCK1-01-PCR1  
MOCK1-01-PCR2  
MOCK1-16-PCR1  
MOCK1-32-PCR1  
MOCK1-32-PCR2

Sample name

SampleType REF-PID REF-PIM REF-DID REF-DIM IM-PID IM-PIM IM-DID IM-DIM Feed Water Extraction-blank PCR-blank Mock





k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Bacillales; f\_\_Staphylococcaceae; g\_\_Staphylococcus; s\_\_Staphylococcus aureus

Relative abundance (%)

REFPID148  
REFPID149  
REFPID150  
REFPID160  
REFPID161  
REFPID162  
REFPID178  
REFPID179  
REFPID180  
REFPID196  
REFPID197  
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REFPIM198  
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IMDIM206  
IMDIM207  
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IMDIM215  
IMDIM216  
FeedIM  
FeedREF  
Water01  
Water02  
Water06  
Water12  
Water18  
Water19  
Water21  
Water24  
Extraction-blank01  
Extraction-blank02  
Extraction-blank03  
Extraction-blank04  
Extraction-blank05  
Extraction-blank06  
Extraction-blank07  
Extraction-blank08  
Extraction-blank09  
Extraction-blank10  
Extraction-blank11  
Extraction-blank12  
Extraction-blank13  
PCR-blank1a  
PCR-blank1b  
PCR-blank1c  
PCR-blank2a  
PCR-blank2b  
PCR-blank2c  
PCR-blank3a  
PCR-blank3b  
MOCK1-01-PCR1  
MOCK1-01-PCR2  
MOCK1-16-PCR1  
MOCK1-32-PCR1  
MOCK1-32-PCR2

SampleType REF-PID REF-PIM REF-DID REF-DIM IM-PID IM-PIM IM-DID IM-DIM Feed Water Extraction-blank PCR-blank Mock

6

4

2

0

k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Lactobacillales; f\_\_Lactobacillaceae; g\_\_Lactobacillus; s\_\_Lactobacillus fermentum

Relative abundance (%)

REFPID148  
REFPID149  
REFPID150  
REFPID160  
REFPID161  
REFPID162  
REFPID178  
REFPID179  
REFPID180  
REFPID196  
REFPID197  
REFPID198  
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FeedIM  
FeedREF  
Water01  
Water02  
Water06  
Water12  
Water18  
Water19  
Water21  
Water24  
Extraction-blank01  
Extraction-blank02  
Extraction-blank03  
Extraction-blank04  
Extraction-blank05  
Extraction-blank06  
Extraction-blank07  
Extraction-blank08  
Extraction-blank09  
Extraction-blank10  
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Extraction-blank12  
Extraction-blank13  
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PCR-blank1c  
PCR-blank2a  
PCR-blank2b  
PCR-blank2c  
PCR-blank3a  
PCR-blank3b  
MOCK1-01-PCR1  
MOCK1-01-PCR2  
MOCK1-16-PCR1  
MOCK1-32-PCR1  
MOCK1-32-PCR2

SampleType REF-PID REF-PIM REF-DID REF-DIM IM-PID IM-PIM IM-DID IM-DIM Feed Water Extraction-blank PCR-blank Mock

Sample name

k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Bacillales; f\_\_Bacillaceae; g\_\_Bacillus; NA

Relative abundance (%)

12

9

6

3

0

REFPID148  
REFPID149  
REFPID150  
REFPID160  
REFPID161  
REFPID162  
REFPID178  
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Water06  
Water12  
Water18  
Water19  
Water21  
Water24  
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Extraction-blank02  
Extraction-blank03  
Extraction-blank04  
Extraction-blank05  
Extraction-blank06  
Extraction-blank07  
Extraction-blank08  
Extraction-blank09  
Extraction-blank10  
Extraction-blank11  
Extraction-blank12  
Extraction-blank13  
PCR-blank1a  
PCR-blank1b  
PCR-blank1c  
PCR-blank2a  
PCR-blank2b  
PCR-blank2c  
PCR-blank3a  
PCR-blank3b  
MOCK1-01-PCR1  
MOCK1-01-PCR2  
MOCK1-16-PCR1  
MOCK1-32-PCR1  
MOCK1-32-PCR2

Sample name

SampleType

REF-PID

REF-PIM

REF-DID

REF-DIM

IM-PID

IM-PIM

IM-DID

IM-DIM

Feed

Water

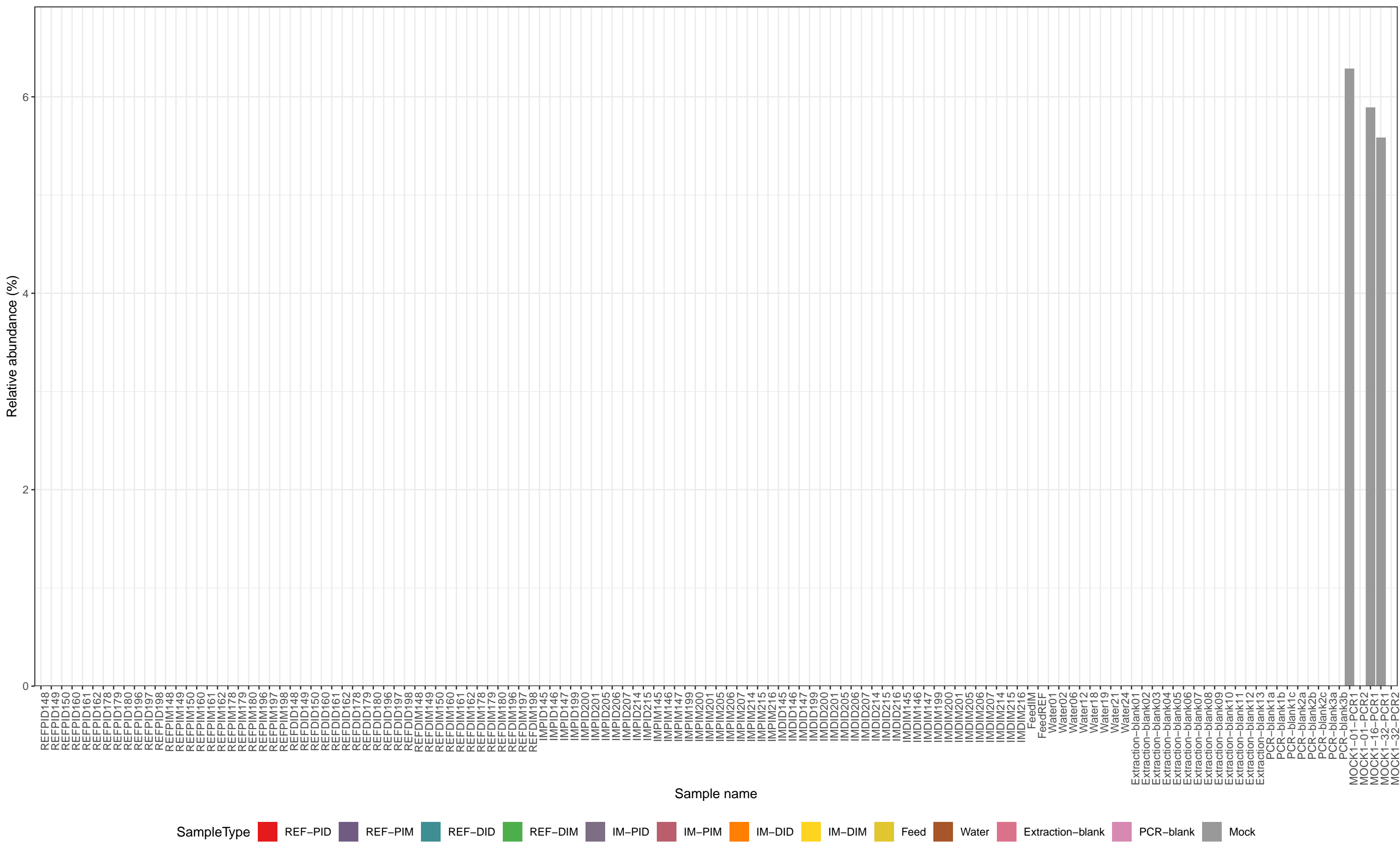
Extraction-blank

PCR-blank

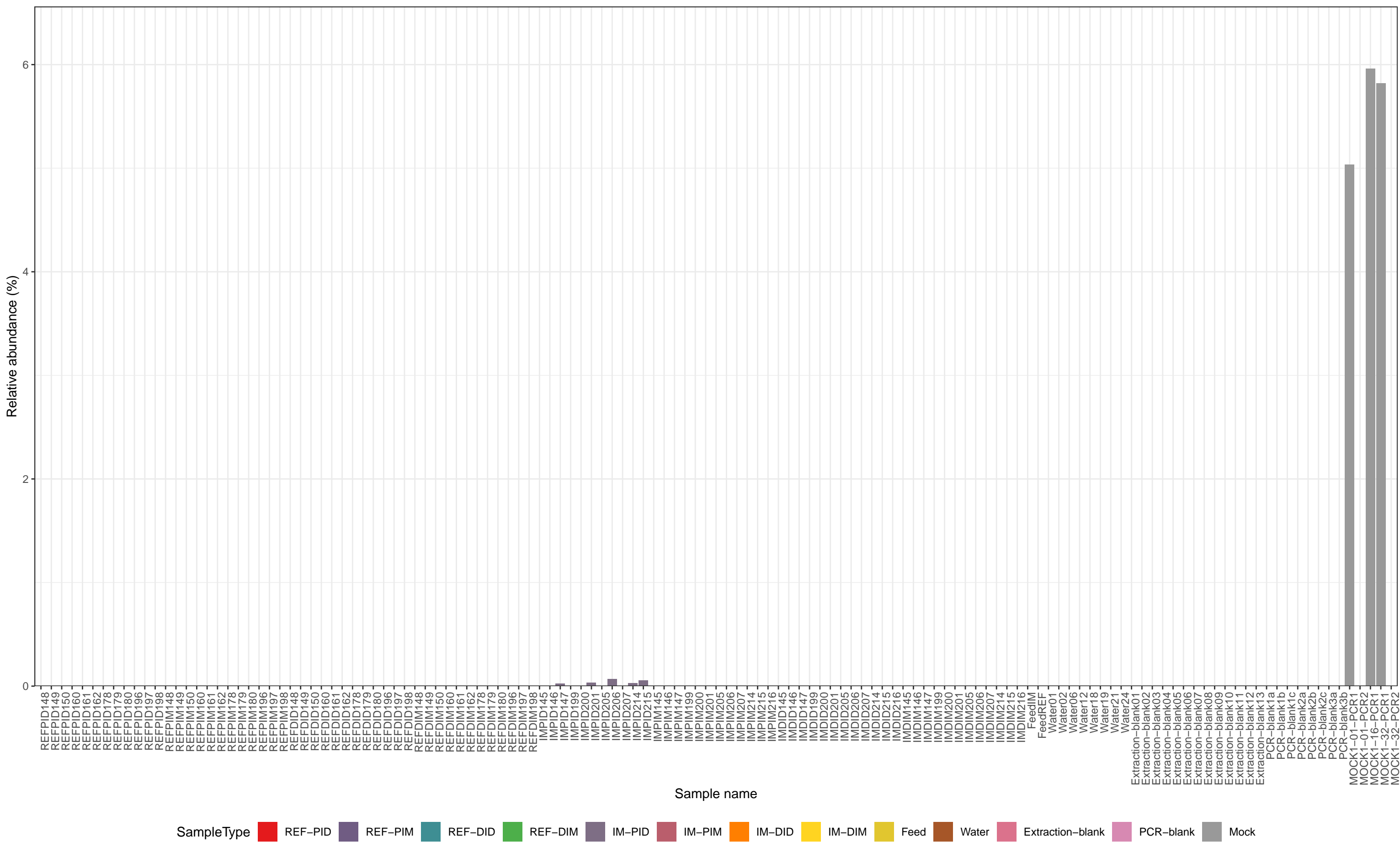
Mock



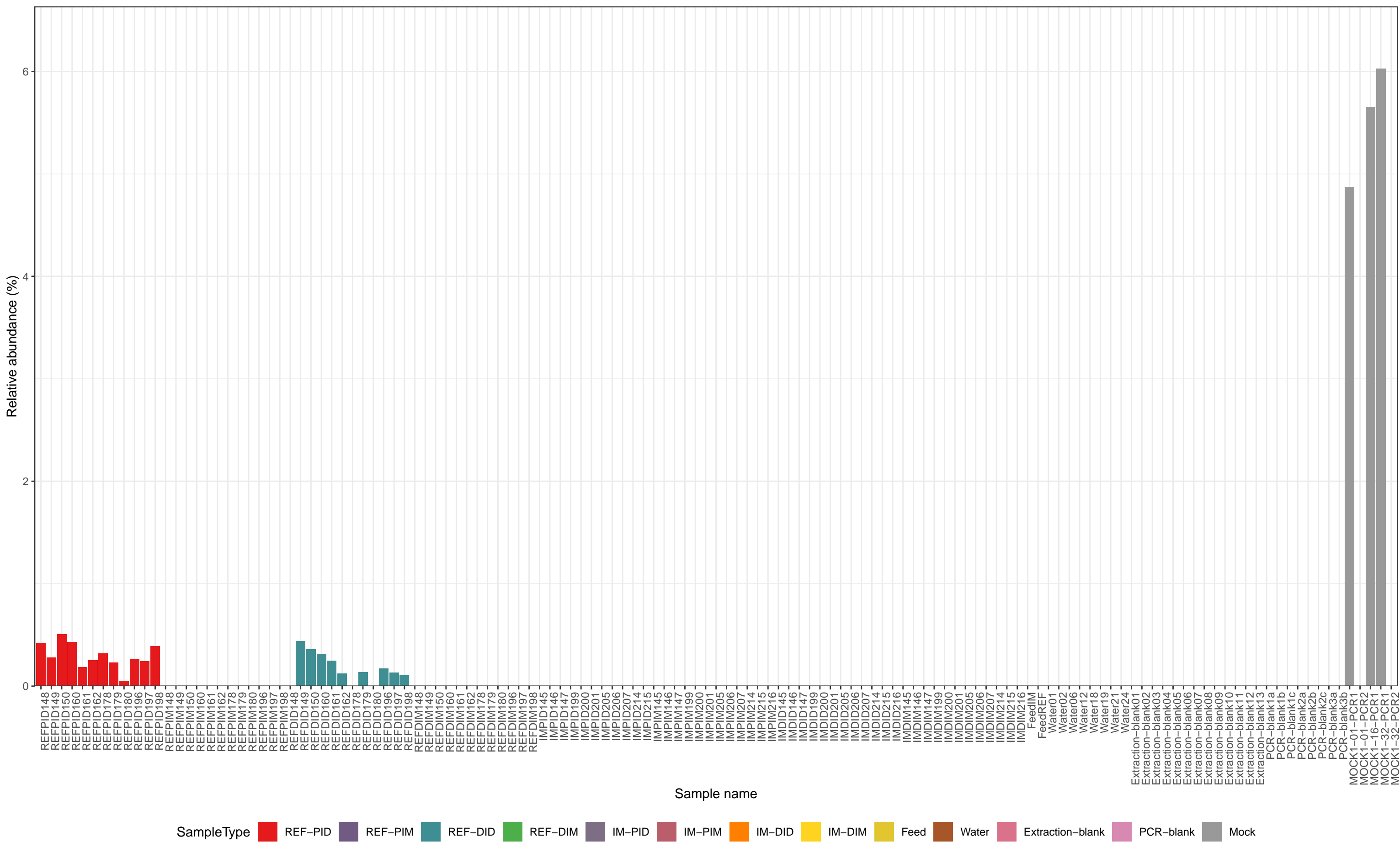
k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Bacillales; f\_\_Bacillaceae; g\_\_Bacillus; NA



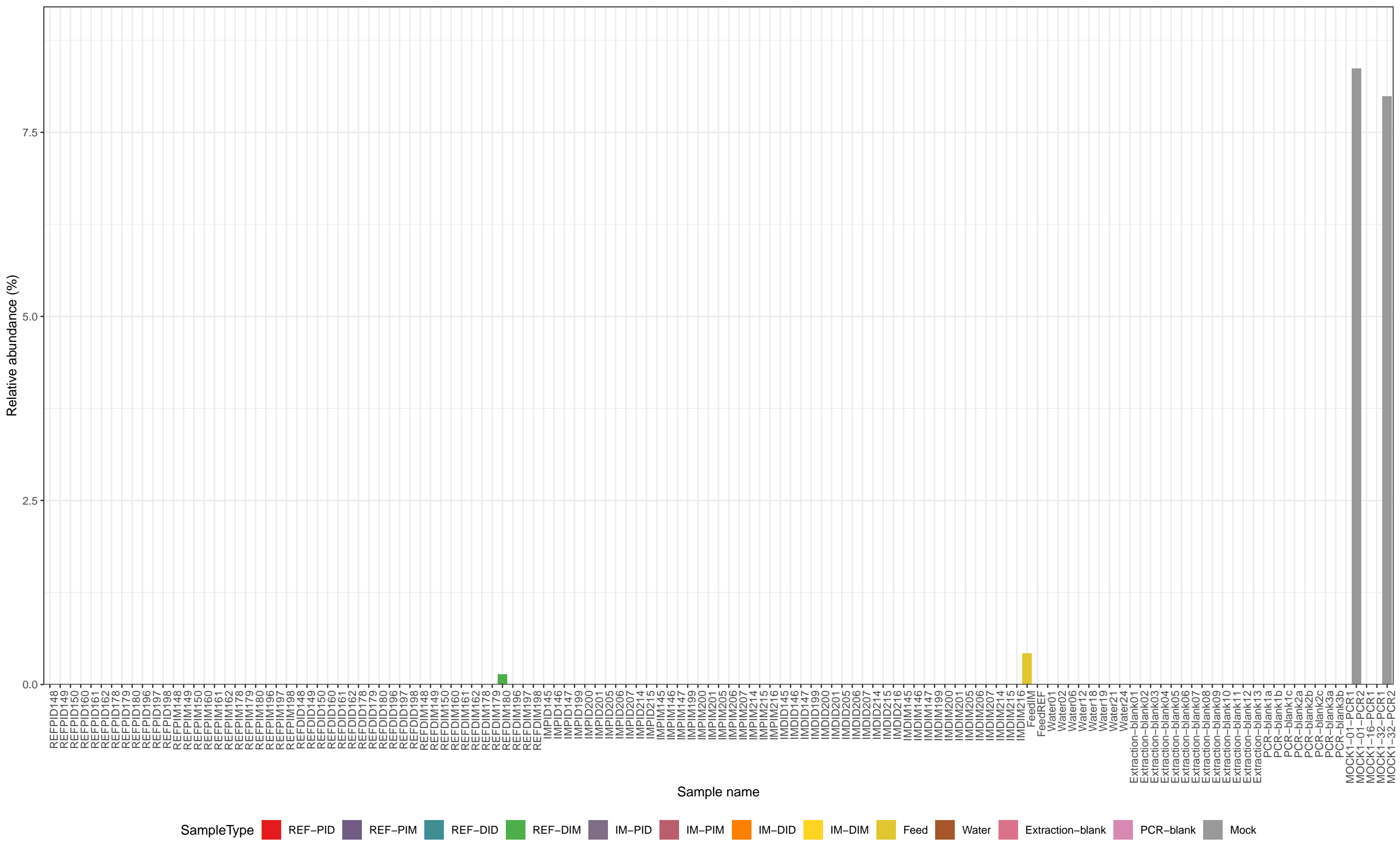
k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Enterobacteriales; f\_\_Enterobacteriaceae; g\_\_Escherichia–Shigella; NA



k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Lactobacillales; f\_\_Lactobacillaceae; g\_\_Lactobacillus; s\_\_Lactobacillus fermentum



k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Enterobacteriales; f\_\_Enterobacteriaceae; g\_\_Escherichia-Shigella; NA



k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Pseudomonadales; f\_\_Pseudomonadaceae; g\_\_Pseudomonas; NA

Relative abundance (%)

REFPID148  
REFPID149  
REFPID150  
REFPID160  
REFPID161  
REFPID162  
REFPID178  
REFPID179  
REFPID180  
REFPID196  
REFPID197  
REFPID198  
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REFPIM150  
REFPIM160  
REFPIM161  
REFPIM162  
REFPIM178  
REFPIM179  
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REFPIM197  
REFPIM198  
REFDIM148  
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IMDIM206  
IMDIM207  
IMDIM214  
IMDIM215  
IMDIM216  
FeedIM  
FeedREF  
Water01  
Water02  
Water06  
Water12  
Water18  
Water19  
Water21  
Water24  
Extraction-blank01  
Extraction-blank02  
Extraction-blank03  
Extraction-blank04  
Extraction-blank05  
Extraction-blank06  
Extraction-blank07  
Extraction-blank08  
Extraction-blank09  
Extraction-blank10  
Extraction-blank11  
Extraction-blank12  
Extraction-blank13  
PCR-blank1a  
PCR-blank1b  
PCR-blank1c  
PCR-blank2a  
PCR-blank2b  
PCR-blank2c  
PCR-blank3a  
PCR-blank3b  
MOCK1-01-PCR1  
MOCK1-01-PCR2  
MOCK1-16-PCR1  
MOCK1-32-PCR1  
MOCK1-32-PCR2

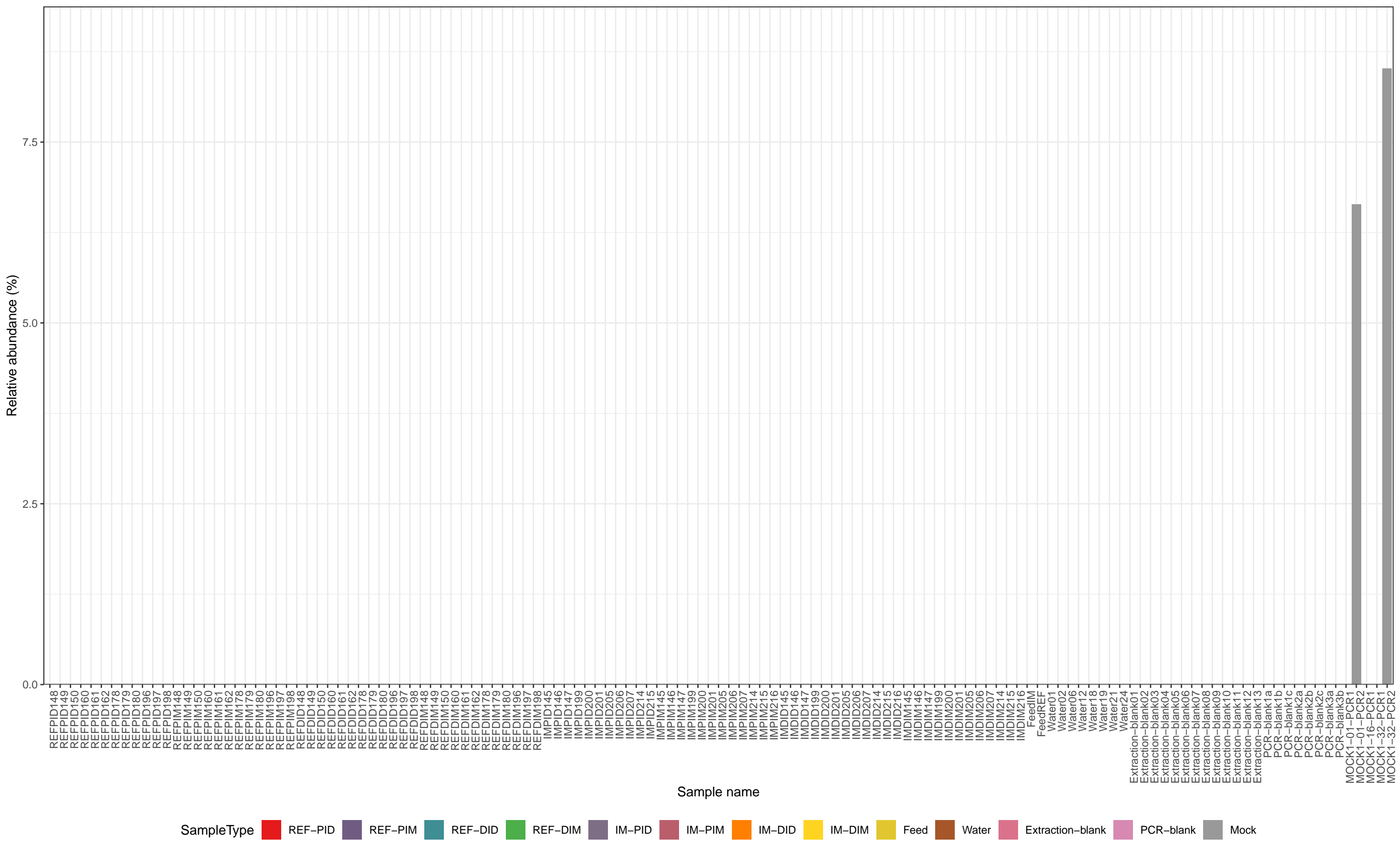
SampleType REF-PID REF-PIM REF-DID REF-DIM IMP-ID IMP-PIM IM-DID IM-DIM Feed Water Extraction-blank PCR-blank Mock

5.5

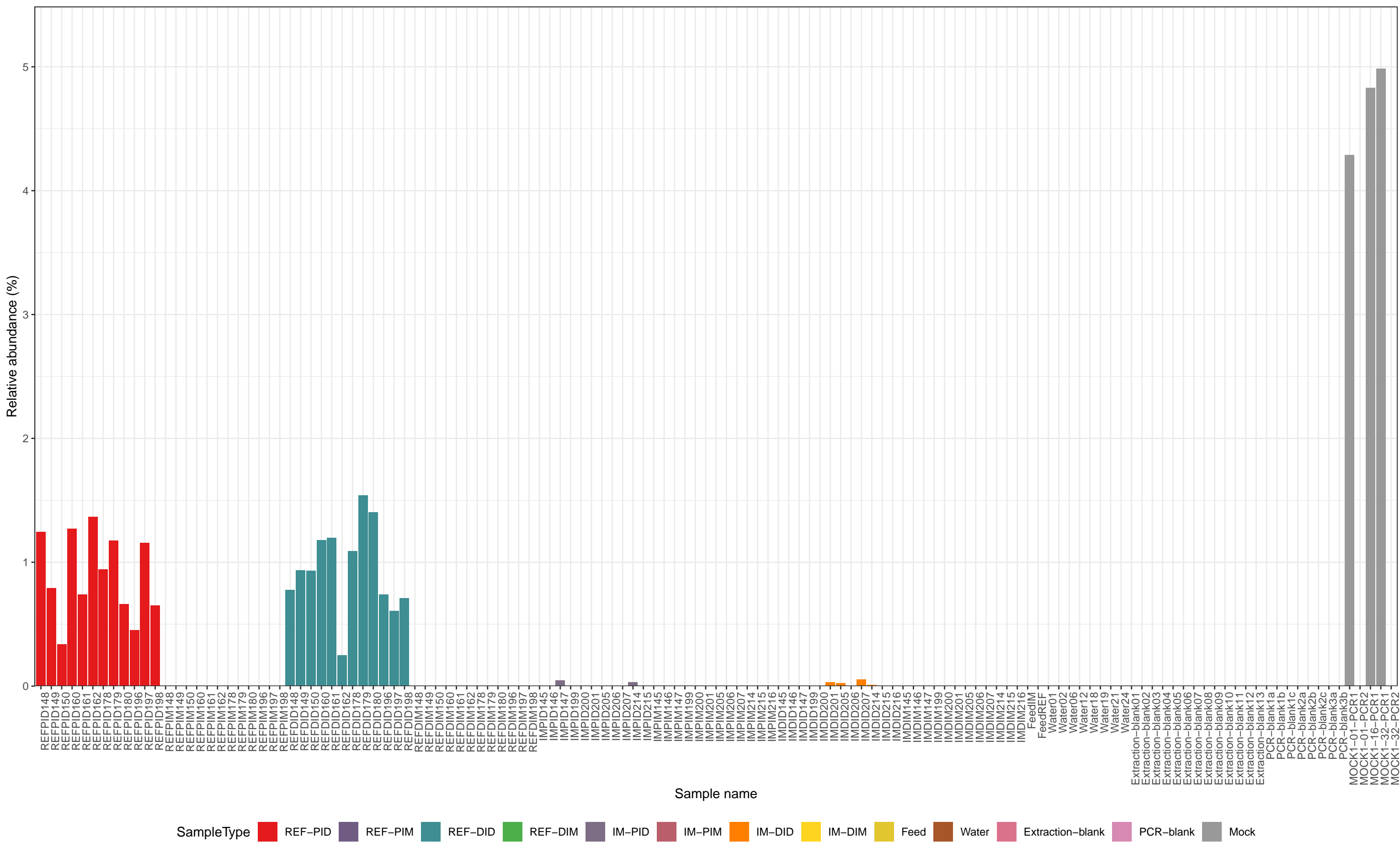
5.1

5.5

k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Bacillales; f\_\_Staphylococcaceae; g\_\_Staphylococcus; s\_\_Staphylococcus aureus

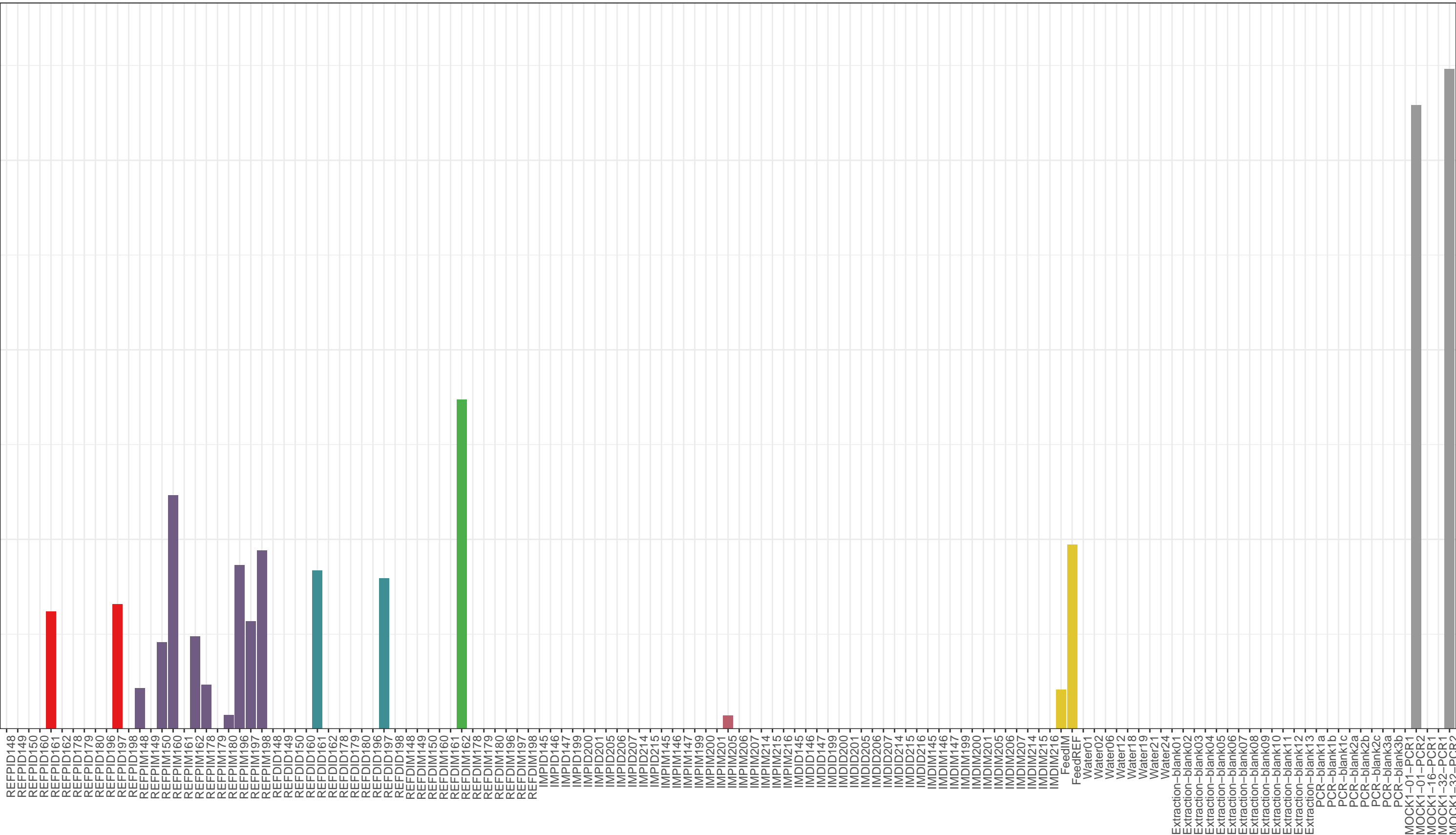


k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Lactobacillales; f\_\_Lactobacillaceae; g\_\_Lactobacillus; s\_\_Lactobacillus fermentum



k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Lactobacillales; f\_\_Lactobacillaceae; g\_\_Lactobacillus; s\_\_Lactobacillus fermentum

Relative abundance (%)



SampleType REF-PID REF-PIM REF-DID REF-DIM IM-PID IM-PIM IM-DID IM-DIM Feed Water Extraction-blank PCR-blank Mock

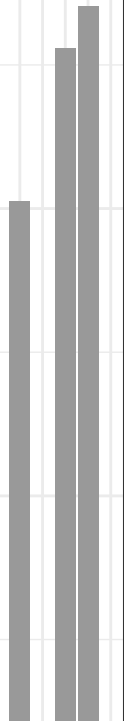


k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Enterobacteriales; f\_\_Enterobacteriaceae; g\_\_Escherichia–Shigella; NA

Relative abundance (%)

REFPID148  
REFPID149  
REFPID150  
REFPID160  
REFPID161  
REFPID162  
REFPID178  
REFPID179  
REFPID180  
REFPID196  
REFPID197  
REFPID198  
REFPIM148  
REFPIM149  
REFPIM150  
REFPIM160  
REFPIM161  
REFPIM162  
REFPIM178  
REFPIM179  
REFPIM180  
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IMDIM215  
IMDIM216  
FeedIM  
FeedREF  
Water01  
Water02  
Water06  
Water12  
Water18  
Water19  
Water21  
Water24  
Extraction-blank01  
Extraction-blank02  
Extraction-blank03  
Extraction-blank04  
Extraction-blank05  
Extraction-blank06  
Extraction-blank07  
Extraction-blank08  
Extraction-blank09  
Extraction-blank10  
Extraction-blank11  
Extraction-blank12  
Extraction-blank13  
PCR-blank1a  
PCR-blank1b  
PCR-blank1c  
PCR-blank2a  
PCR-blank2b  
PCR-blank2c  
PCR-blank3a  
PCR-blank3b  
MOCK1-01-PCR1  
MOCK1-01-PCR2  
MOCK1-16-PCR1  
MOCK1-32-PCR1  
MOCK1-32-PCR2

SampleType REF-PID REF-PIM REF-DID REF-DIM IMP-ID IMP-PIM IM-DID IM-DIM Feed Water Extraction-blank PCR-blank Mock



k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Enterobacteriales; f\_\_Enterobacteriaceae; g\_\_Escherichia–Shigella; NA

Relative abundance (%)

REFPID148  
REFPID149  
REFPID150  
REFPID160  
REFPID161  
REFPID162  
REFPID178  
REFPID179  
REFPID180  
REFPID196  
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IMDIM216  
FeedIM  
FeedREF  
Water01  
Water02  
Water06  
Water12  
Water18  
Water19  
Water21  
Water24  
Extraction-blank01  
Extraction-blank02  
Extraction-blank03  
Extraction-blank04  
Extraction-blank05  
Extraction-blank06  
Extraction-blank07  
Extraction-blank08  
Extraction-blank09  
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Extraction-blank11  
Extraction-blank12  
Extraction-blank13  
PCR-blank1a  
PCR-blank1b  
PCR-blank1c  
PCR-blank2a  
PCR-blank2b  
PCR-blank2c  
PCR-blank3a  
PCR-blank3b  
MOCK1-01-PCR1  
MOCK1-01-PCR2  
MOCK1-16-PCR1  
MOCK1-32-PCR1  
MOCK1-32-PCR2

SampleType REF-PID REF-PIM REF-DID REF-DIM IM-PID IM-PIM IM-DID IM-DIM Feed Water Extraction-blank PCR-blank Mock

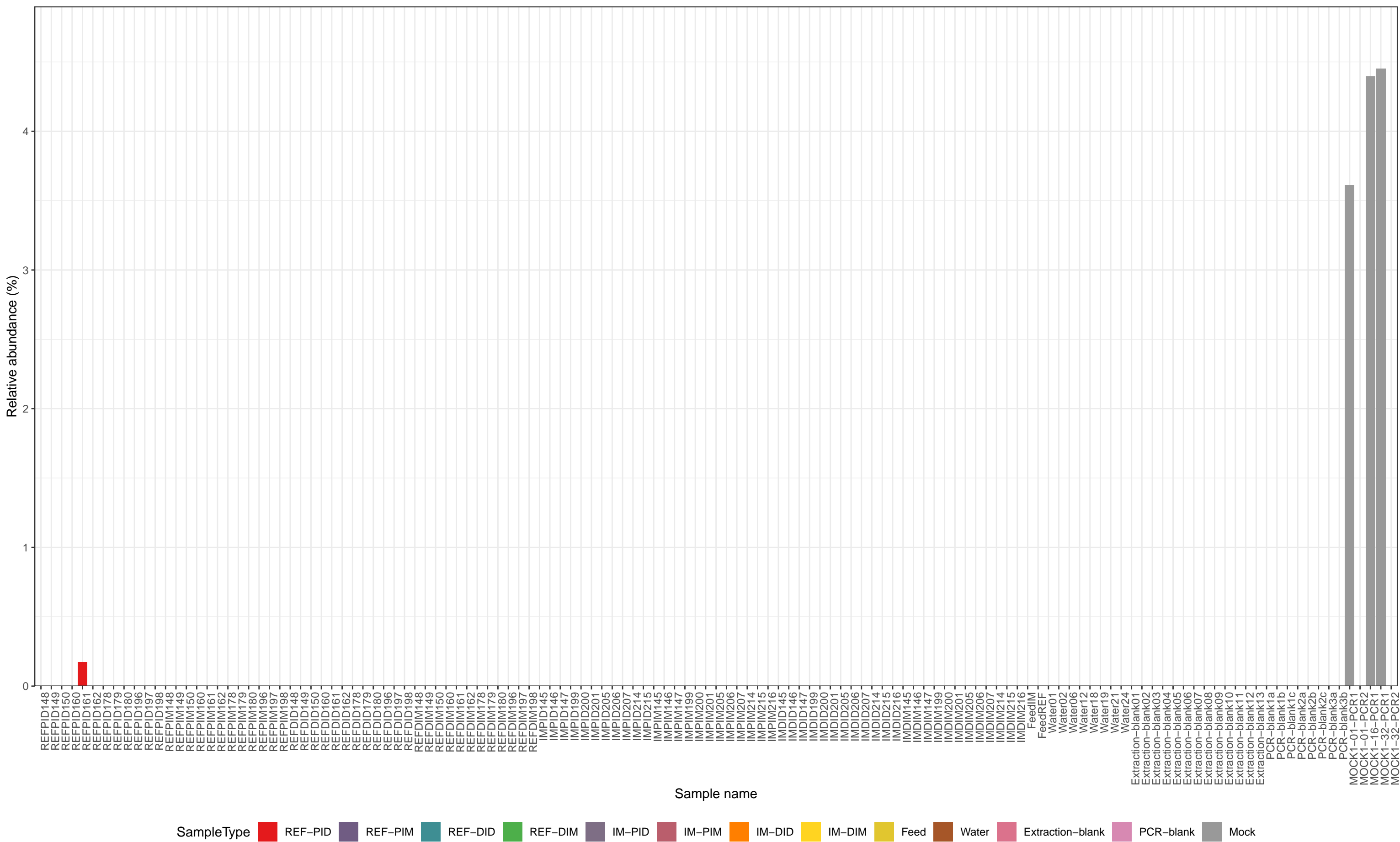
6

4

2

0

k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Lactobacillales; f\_\_Lactobacillaceae; g\_\_Lactobacillus; s\_\_Lactobacillus fermentum



k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Lactobacillales; f\_\_Lactobacillaceae; g\_\_Lactobacillus; s\_\_Lactobacillus fermentum

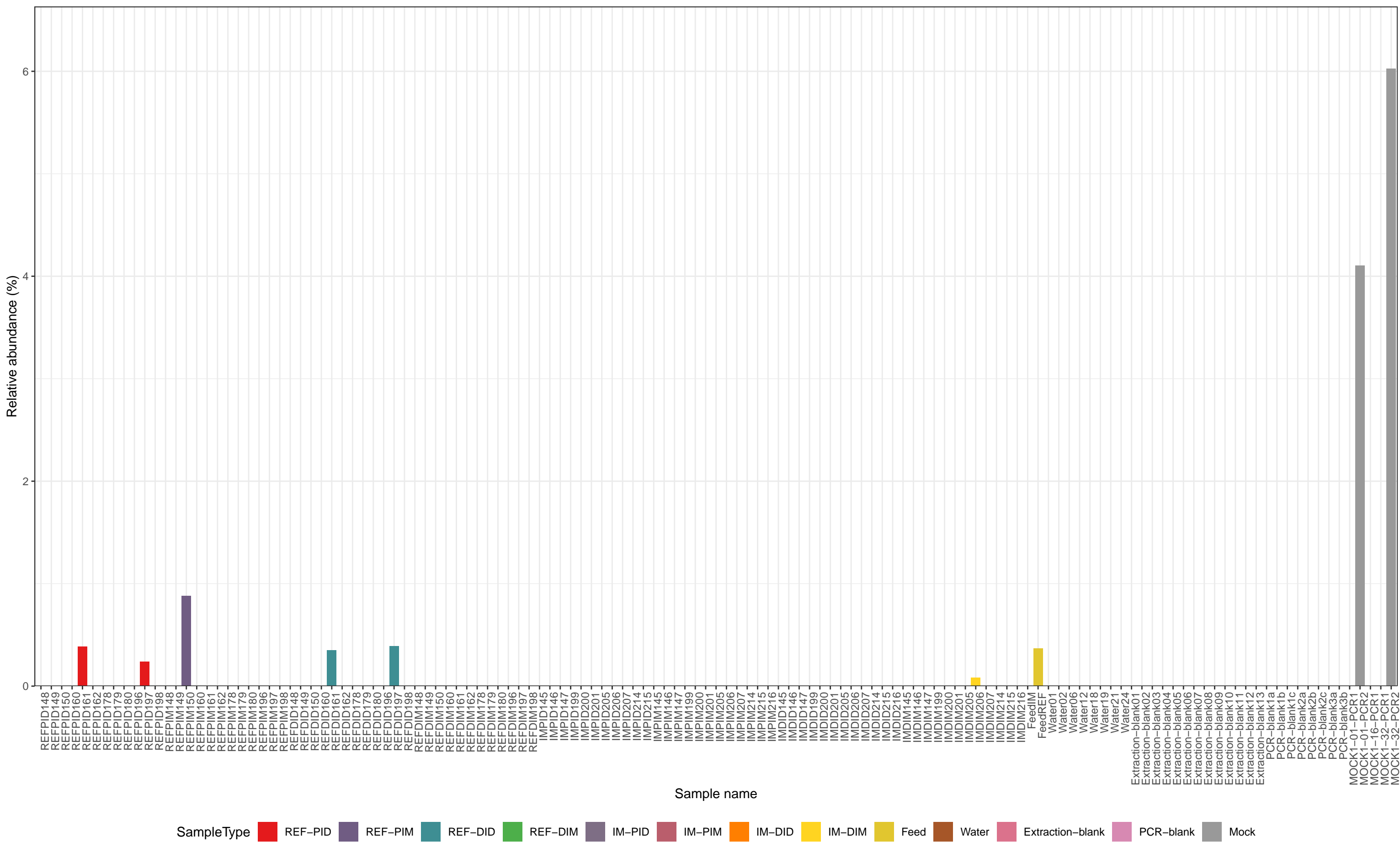
Relative abundance (%)

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REFPID179  
REFPID180  
REFPID196  
REFPID197  
REFPID198  
REFPID198  
REFPID148  
REFPID149  
REFPID150  
REFPID160  
REFPID161  
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IMPID216  
FeedIM  
FeedREF  
Water01  
Water02  
Water06  
Water12  
Water18  
Water19  
Water21  
Water24  
Extraction-blank01  
Extraction-blank02  
Extraction-blank03  
Extraction-blank04  
Extraction-blank05  
Extraction-blank06  
Extraction-blank07  
Extraction-blank08  
Extraction-blank09  
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PCR-blank1b  
PCR-blank1c  
PCR-blank2a  
PCR-blank2b  
PCR-blank2c  
PCR-blank3a  
PCR-blank3b  
MOCK1-01-PCR1  
MOCK1-01-PCR2  
MOCK1-16-PCR1  
MOCK1-32-PCR1  
MOCK1-32-PCR2

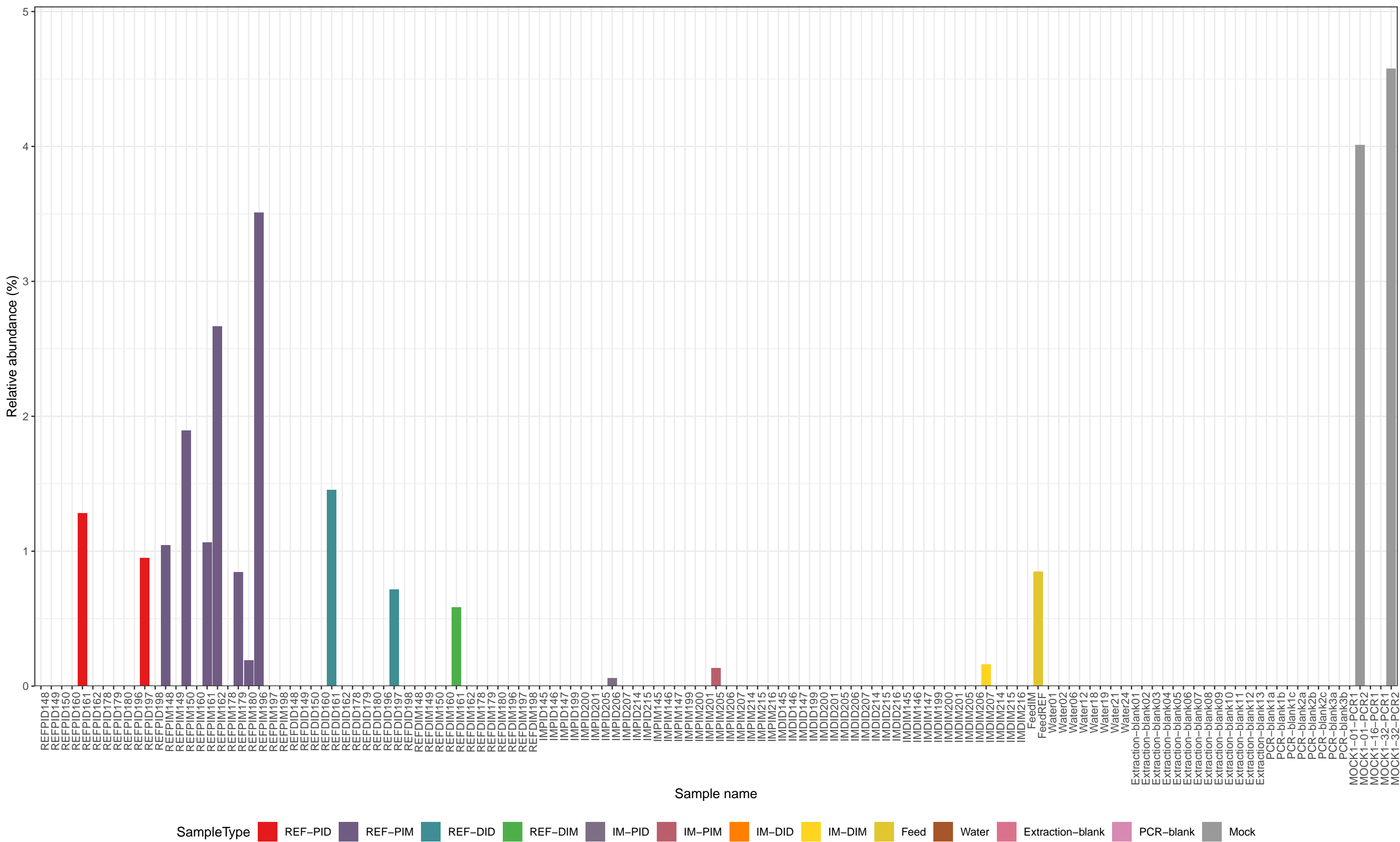
SampleType REF-PID REF-PIM REF-DID REF-DIM IM-PID IM-PIM IM-DID IM-DIM Feed Water Extraction-blank PCR-blank Mock

Sample name

k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Lactobacillales; f\_\_Lactobacillaceae; g\_\_Lactobacillus; s\_\_Lactobacillus fermentum



k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Lactobacillales; f\_\_Lactobacillaceae; g\_\_Lactobacillus; s\_\_Lactobacillus fermentum



k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Lactobacillales; f\_\_Lactobacillaceae; g\_\_Lactobacillus; s\_\_Lactobacillus fermentum

Relative abundance (%)

REFPID148  
REFPID149  
REFPID150  
REFPID160  
REFPID161  
REFPID162  
REFPID178  
REFPID179  
REFPID180  
REFPID196  
REFPID197  
REFPID198  
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IMDIM207  
IMDIM214  
IMDIM215  
IMDIM216  
FeedIM  
FeedREF  
Water01  
Water02  
Water06  
Water12  
Water18  
Water19  
Water21  
Water24  
Extraction-blank01  
Extraction-blank02  
Extraction-blank03  
Extraction-blank04  
Extraction-blank05  
Extraction-blank06  
Extraction-blank07  
Extraction-blank08  
Extraction-blank09  
Extraction-blank10  
Extraction-blank11  
Extraction-blank12  
Extraction-blank13  
PCR-blank1a  
PCR-blank1b  
PCR-blank1c  
PCR-blank2a  
PCR-blank2b  
PCR-blank2c  
PCR-blank3a  
PCR-blank3b  
MOCK1-01-PCR1  
MOCK1-01-PCR2  
MOCK1-16-PCR1  
MOCK1-32-PCR1  
MOCK1-32-PCR2

SampleType REF-PID REF-PIM REF-DID REF-DIM IM-PID IM-PIM IM-DID IM-DIM Feed Water Extraction-blank PCR-blank Mock

MOCK1-32-PCR2

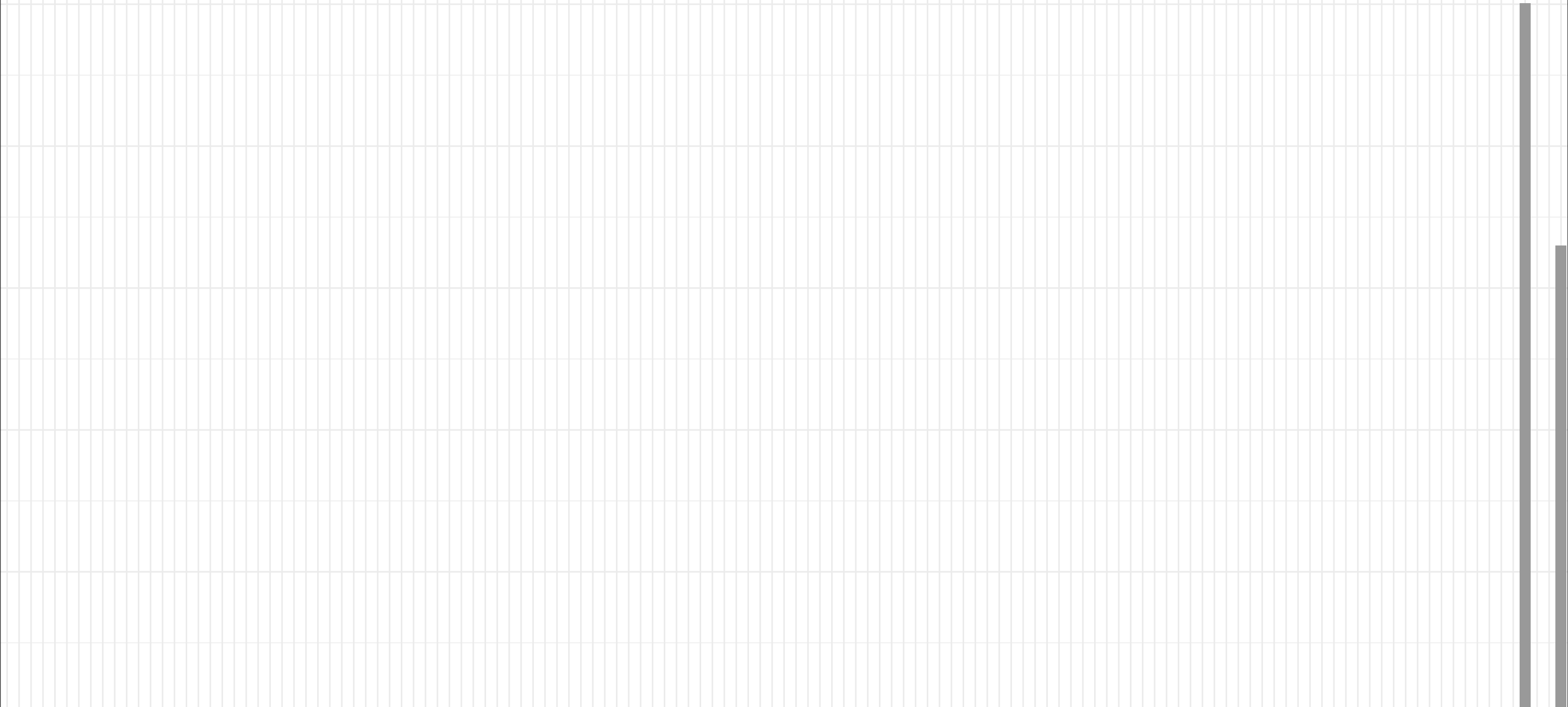
k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Bacillales; f\_\_Bacillaceae; g\_\_Bacillus; NA

Relative abundance (%)

REFPID148  
REFPID149  
REFPID150  
REFPID160  
REFPID161  
REFPID162  
REFPID178  
REFPID179  
REFPID180  
REFPID196  
REFPID197  
REFPID198  
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IMPID199  
IMPID200  
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IMPID207  
IMPID214  
IMPID215  
IMPID216  
FeedIM  
FeedREF  
Water01  
Water02  
Water06  
Water12  
Water18  
Water19  
Water21  
Water24  
Extraction-blank01  
Extraction-blank02  
Extraction-blank03  
Extraction-blank04  
Extraction-blank05  
Extraction-blank06  
Extraction-blank07  
Extraction-blank08  
Extraction-blank09  
Extraction-blank10  
Extraction-blank11  
Extraction-blank12  
Extraction-blank13  
PCR-blank1a  
PCR-blank1b  
PCR-blank1c  
PCR-blank2a  
PCR-blank2b  
PCR-blank2c  
PCR-blank3a  
PCR-blank3b  
MOCK1-01-PCR1  
MOCK1-01-PCR2  
MOCK1-16-PCR1  
MOCK1-32-PCR1  
MOCK1-32-PCR2

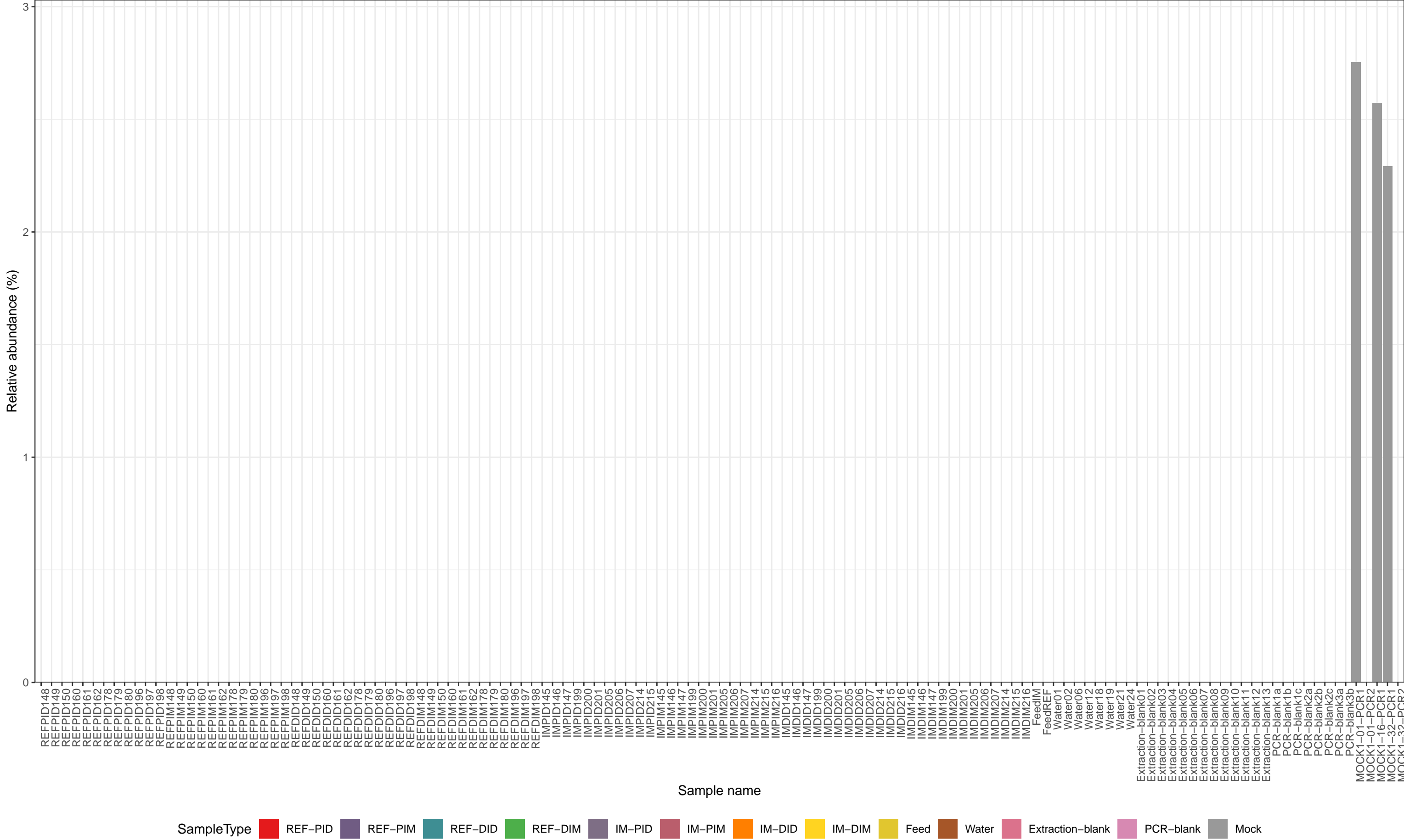
Sample name

SampleType REF-PID REF-PIM REF-DID REF-DIM IM-PID IM-PIM IM-DID IM-DIM Feed Water Extraction-blank PCR-blank Mock

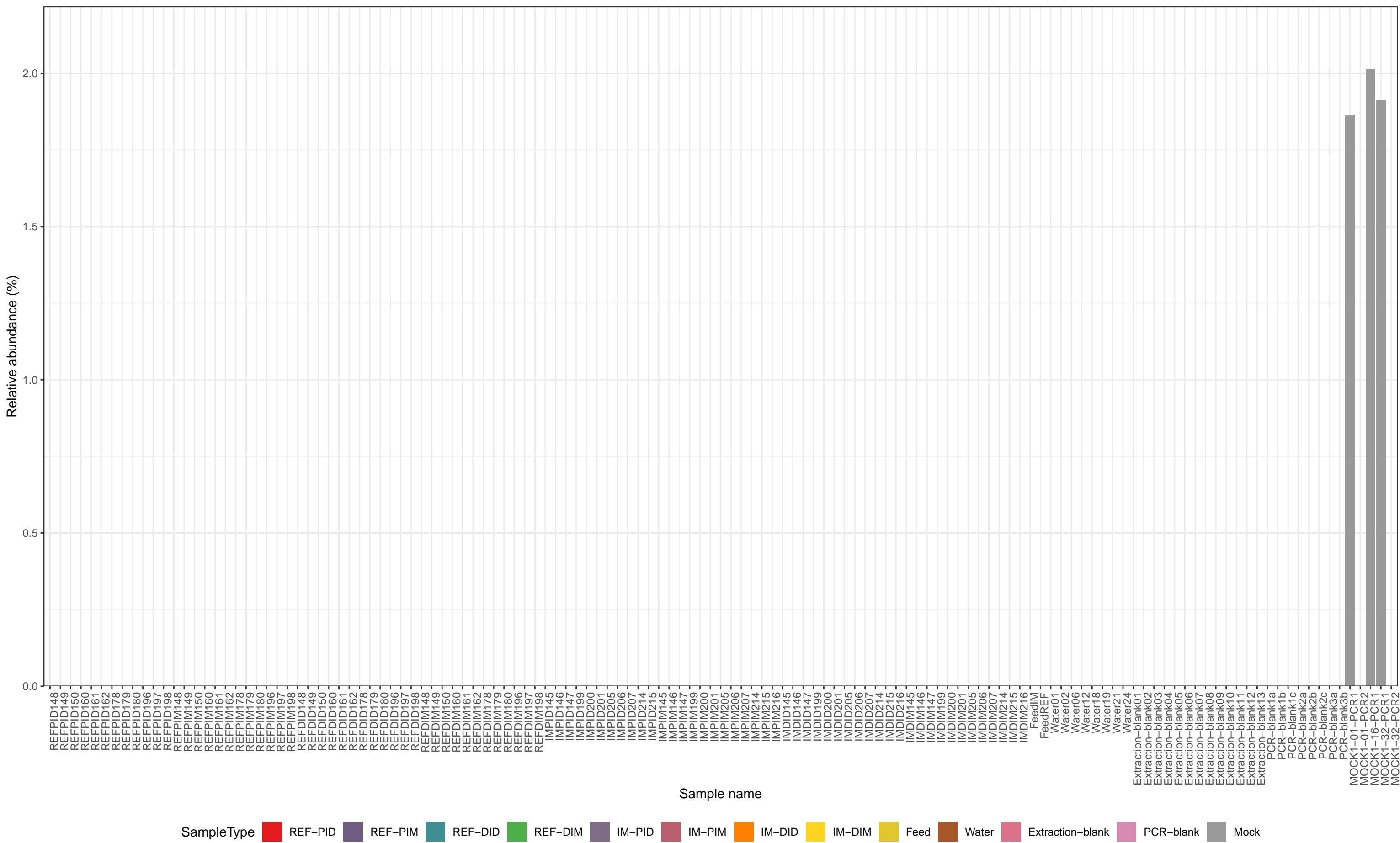




k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Bacillales; f\_\_Listeriaceae; g\_\_Listeria; s\_\_Listeria monocytogenes



k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Bacillales; f\_\_Staphylococcaceae; g\_\_Staphylococcus; s\_\_Staphylococcus aureus



k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Lactobacillales; f\_\_Enterococcaceae; g\_\_Enterococcus; s\_\_Enterococcus faecalis

Relative abundance (%)

REFPID148  
REFPID149  
REFPID150  
REFPID160  
REFPID161  
REFPID162  
REFPID178  
REFPID179  
REFPID180  
REFPID196  
REFPID197  
REFPID198  
REFPIM148  
REFPIM149  
REFPIM150  
REFPIM160  
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REFPIM178  
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REFPIM196  
REFPIM197  
REFPIM198  
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IMDIM216  
FeedIM  
FeedREF  
Water01  
Water02  
Water06  
Water12  
Water18  
Water19  
Water21  
Water24  
Extraction-blank01  
Extraction-blank02  
Extraction-blank03  
Extraction-blank04  
Extraction-blank05  
Extraction-blank06  
Extraction-blank07  
Extraction-blank08  
Extraction-blank09  
Extraction-blank10  
Extraction-blank11  
Extraction-blank12  
Extraction-blank13  
PCR-blank1a  
PCR-blank1b  
PCR-blank1c  
PCR-blank2a  
PCR-blank2b  
PCR-blank2c  
PCR-blank3a  
PCR-blank3b  
MOCK1-01-PCR1  
MOCK1-01-PCR2  
MOCK1-16-PCR1  
MOCK1-32-PCR1  
MOCK1-32-PCR2

Sample name

SampleType



REF-PID



REF-PIM



REF-DID



REF-DIM



IM-PID



IM-PIM



IM-DID



IM-DIM



Feed



Water



Extraction-blank

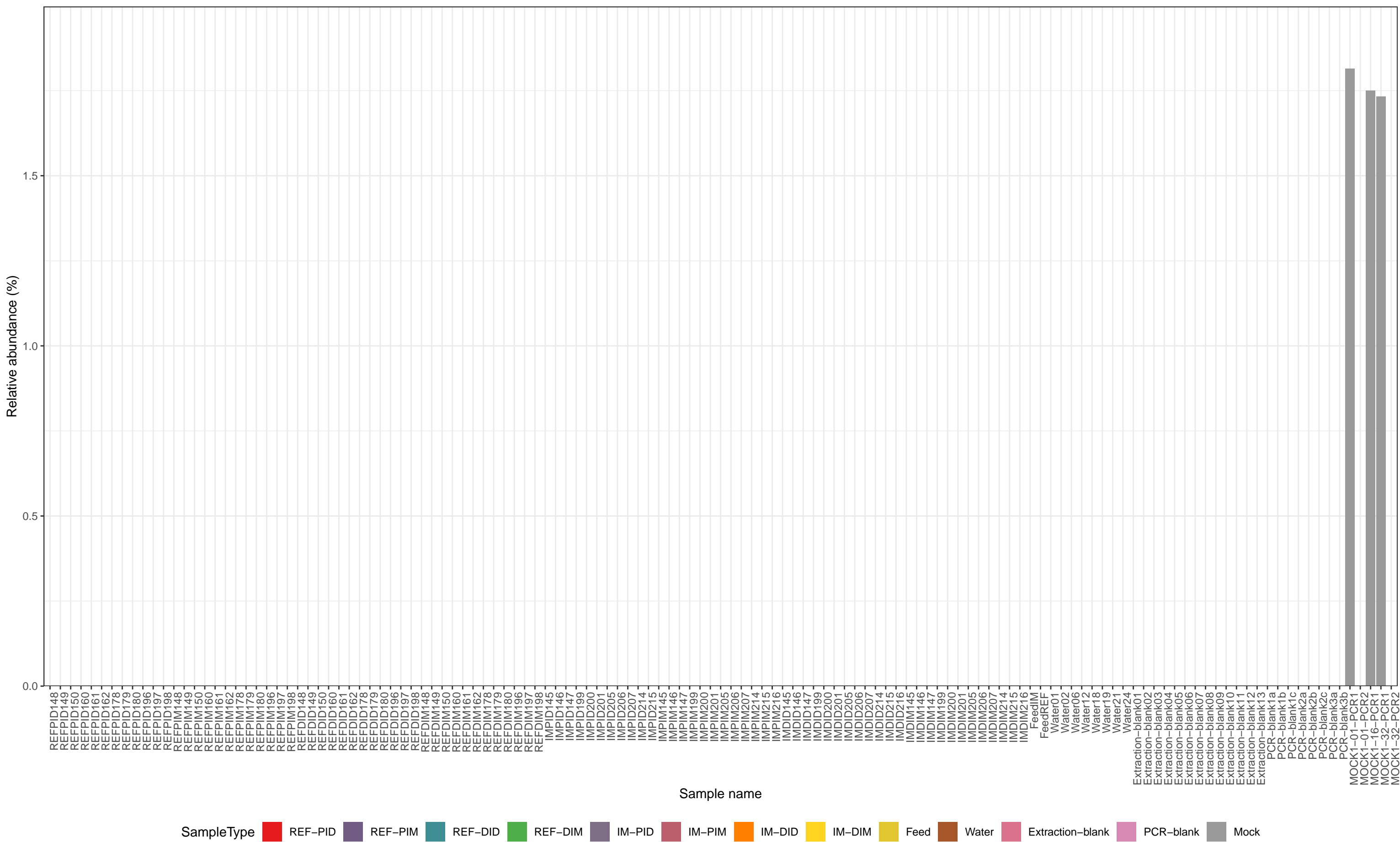


PCR-blank

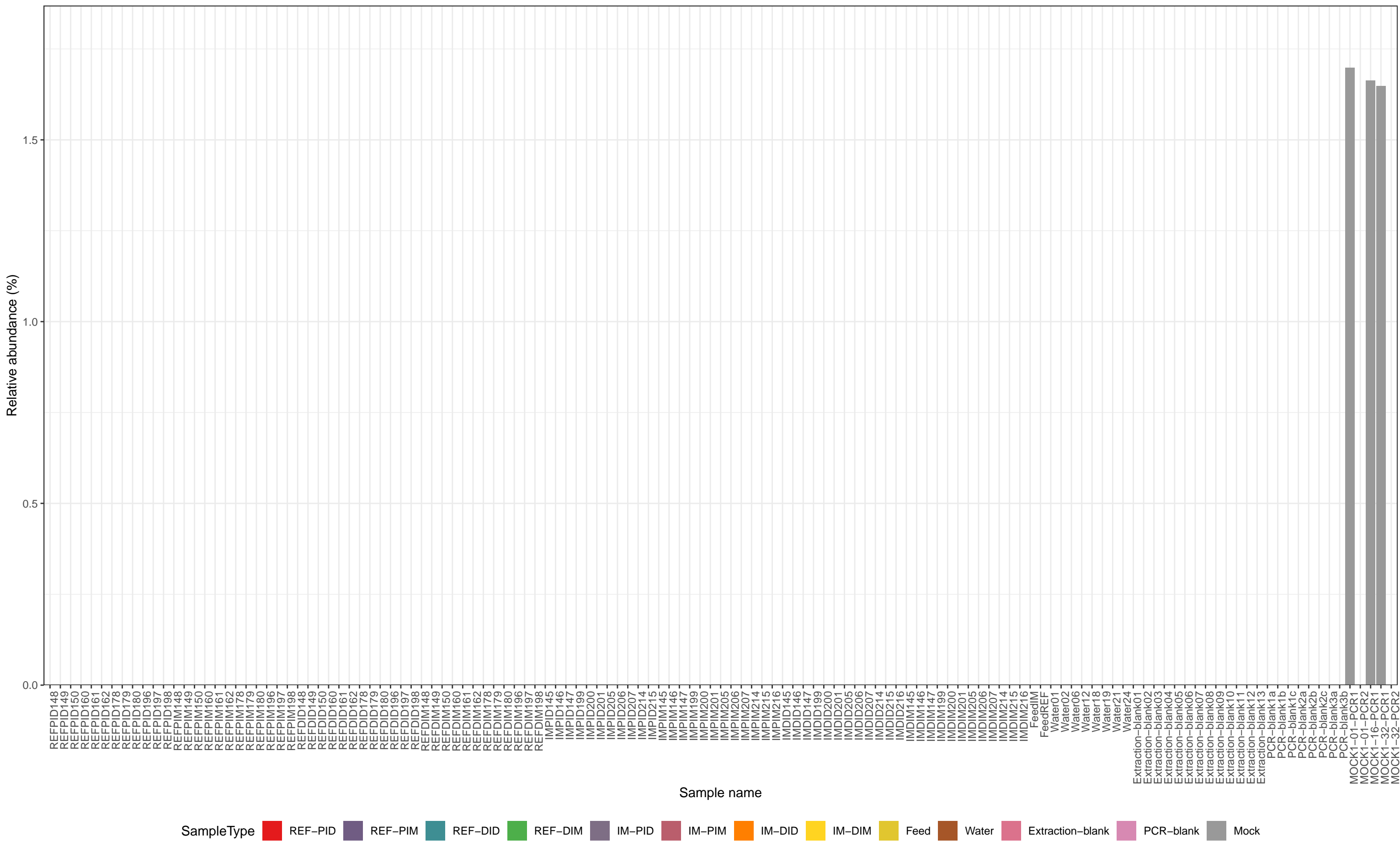


Mock

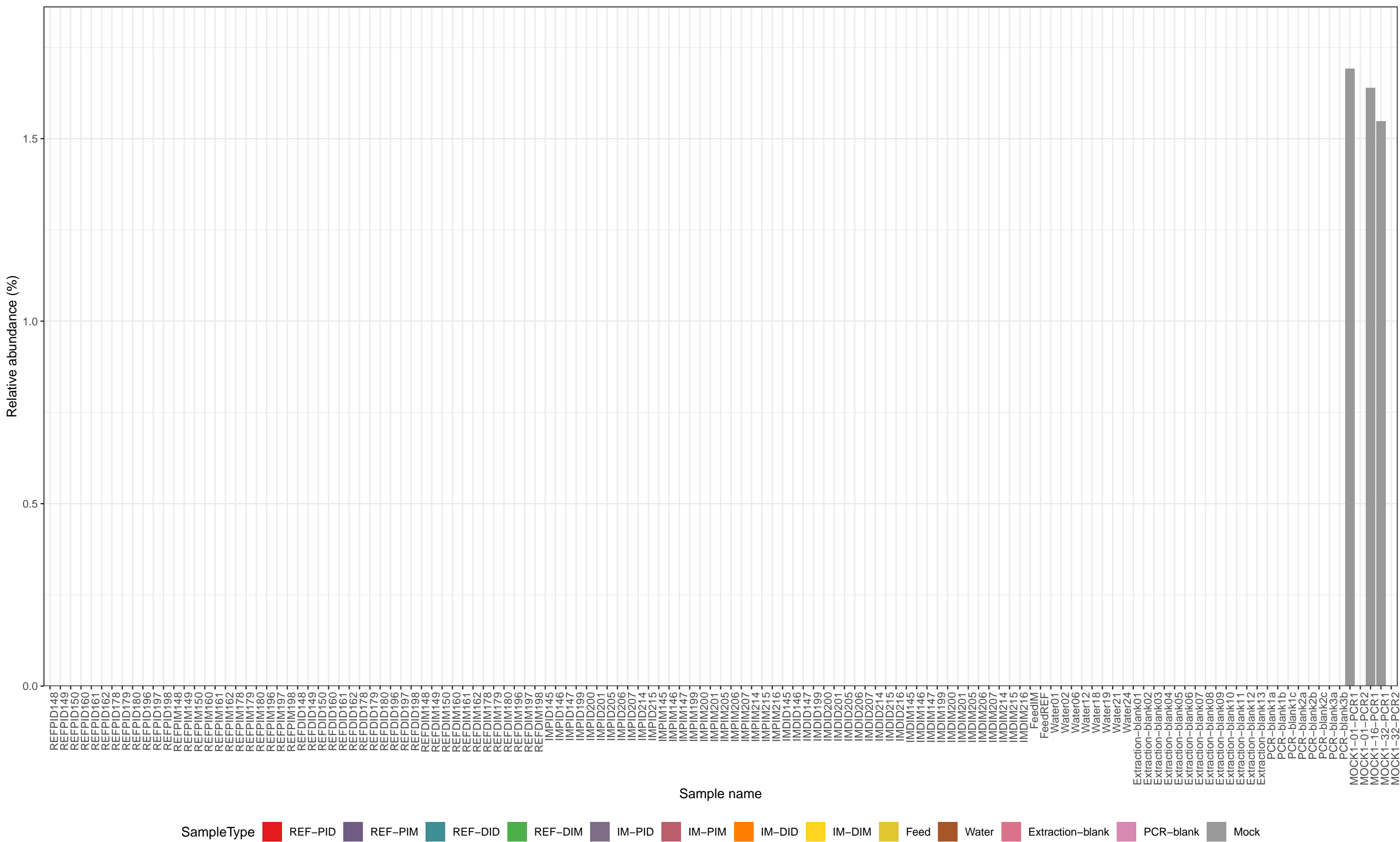
k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Bacillales; f\_\_Listeriaceae; g\_\_Listeria; s\_\_Listeria monocytogenes



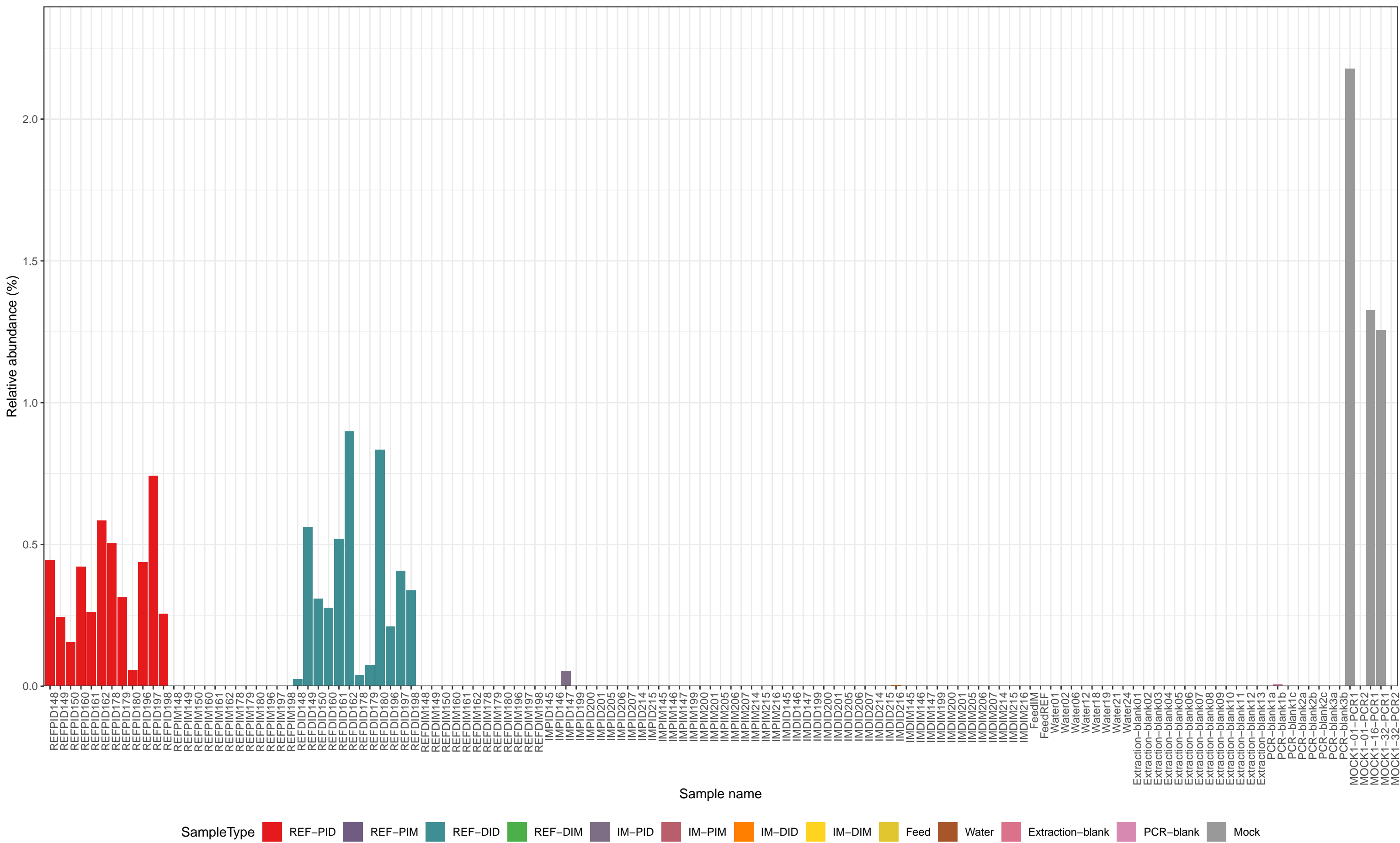
k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Enterobacteriales; f\_\_Enterobacteriaceae; g\_\_Salmonella; NA



k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Bacillales; f\_\_Staphylococcaceae; g\_\_Staphylococcus; s\_\_Staphylococcus aureus



k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Lactobacillales; f\_\_Lactobacillaceae; g\_\_Lactobacillus; s\_\_Lactobacillus fermentum



k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Bacillales; f\_\_Listeriaceae; g\_\_Listeria; s\_\_Listeria monocytogenes

Relative abundance (%)

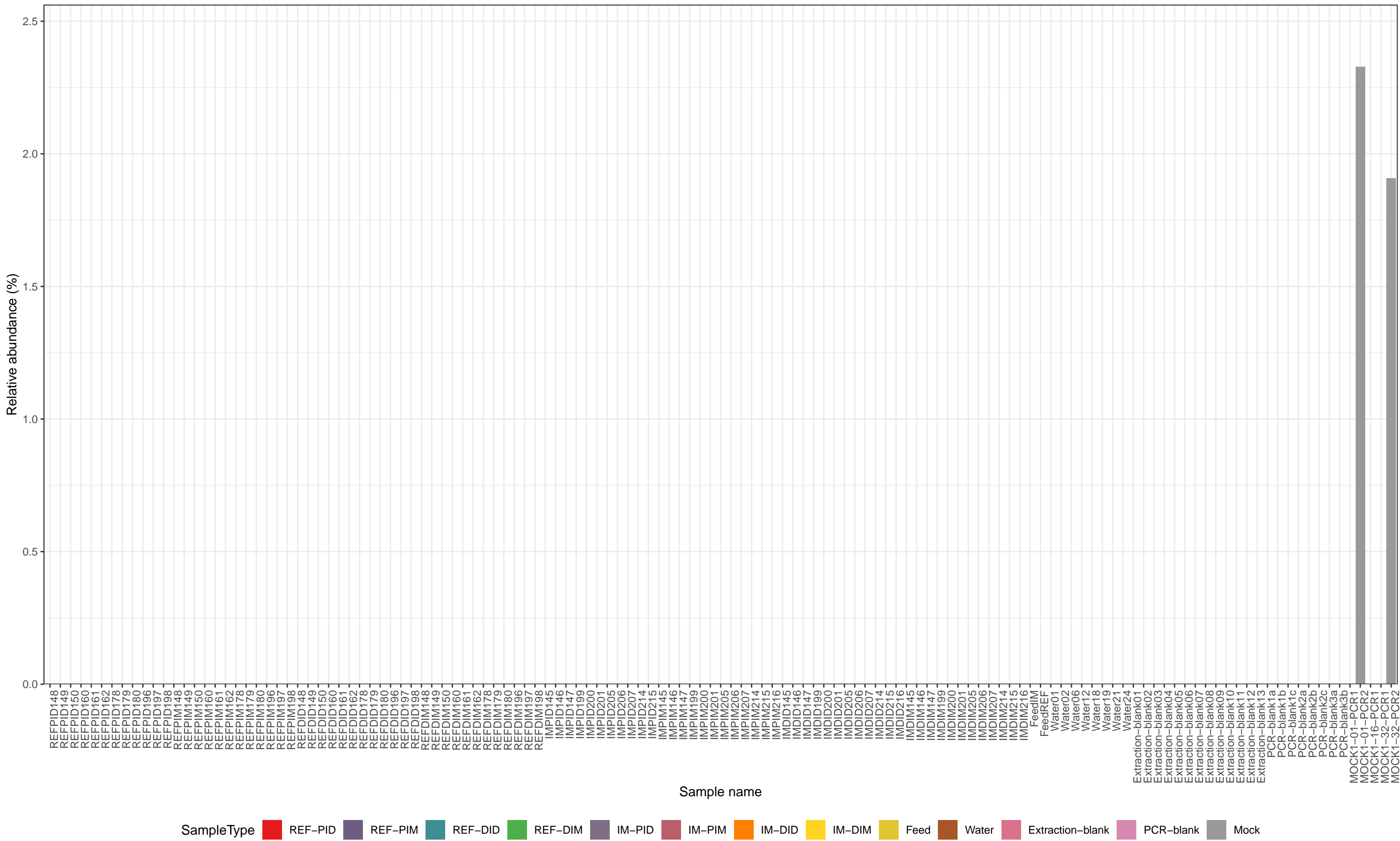
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IMPID216  
FeedIM  
FeedREF  
Water01  
Water02  
Water06  
Water12  
Water18  
Water19  
Water21  
Water24  
Extraction-blank01  
Extraction-blank02  
Extraction-blank03  
Extraction-blank04  
Extraction-blank05  
Extraction-blank06  
Extraction-blank07  
Extraction-blank08  
Extraction-blank09  
Extraction-blank10  
Extraction-blank11  
Extraction-blank12  
Extraction-blank13  
PCR-blank1a  
PCR-blank1b  
PCR-blank1c  
PCR-blank2a  
PCR-blank2b  
PCR-blank2c  
PCR-blank3a  
PCR-blank3b  
MOCK1-01-PCR1  
MOCK1-01-PCR2  
MOCK1-16-PCR1  
MOCK1-32-PCR1  
MOCK1-32-PCR2

SampleType REF-PID REF-PIM REF-DID REF-DIM IM-PID IM-PIM IM-DID IM-DIM Feed Water Extraction-blank PCR-blank Mock

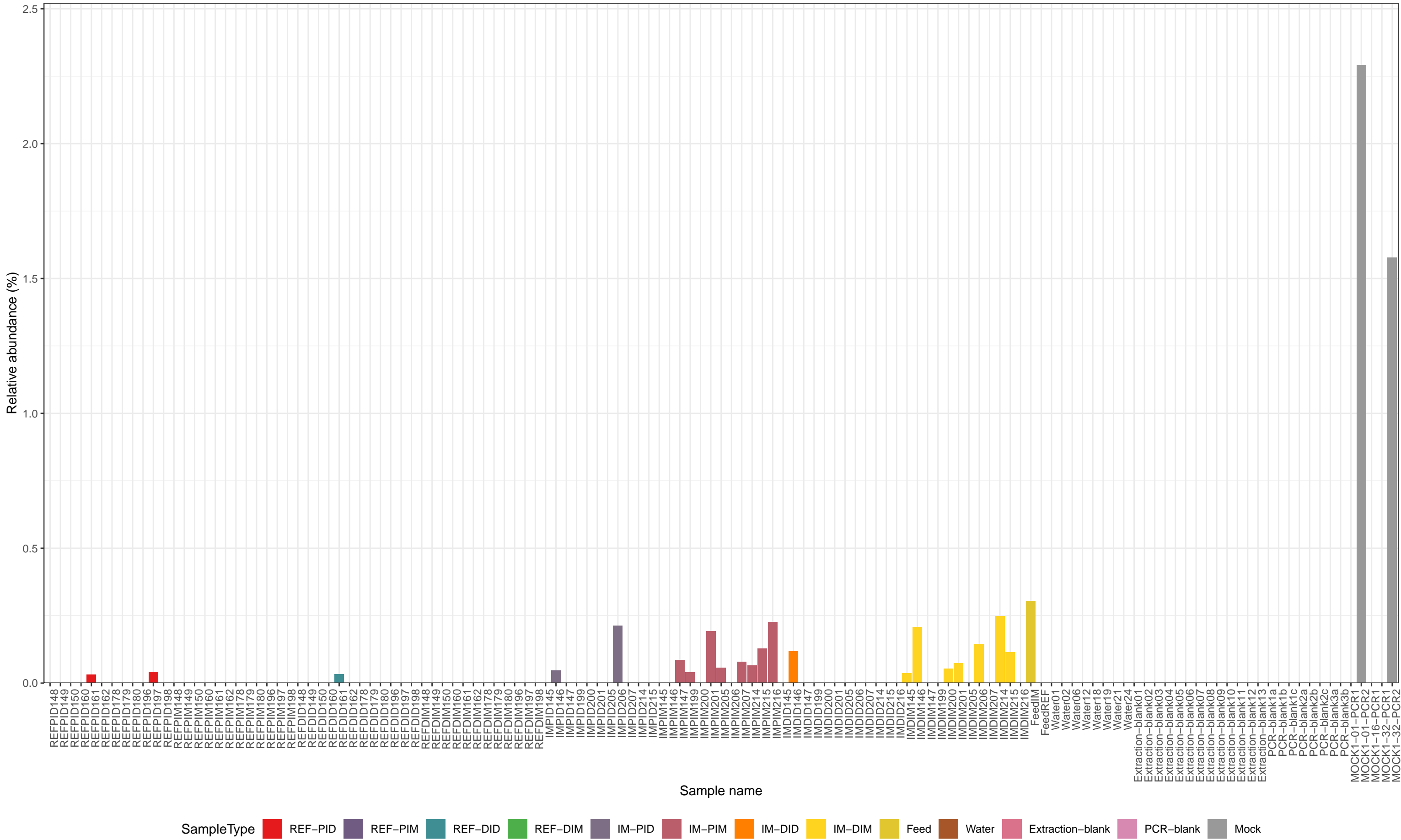
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MOCK1-01-PCR2  
MOCK1-16-PCR1  
MOCK1-32-PCR1  
MOCK1-32-PCR2



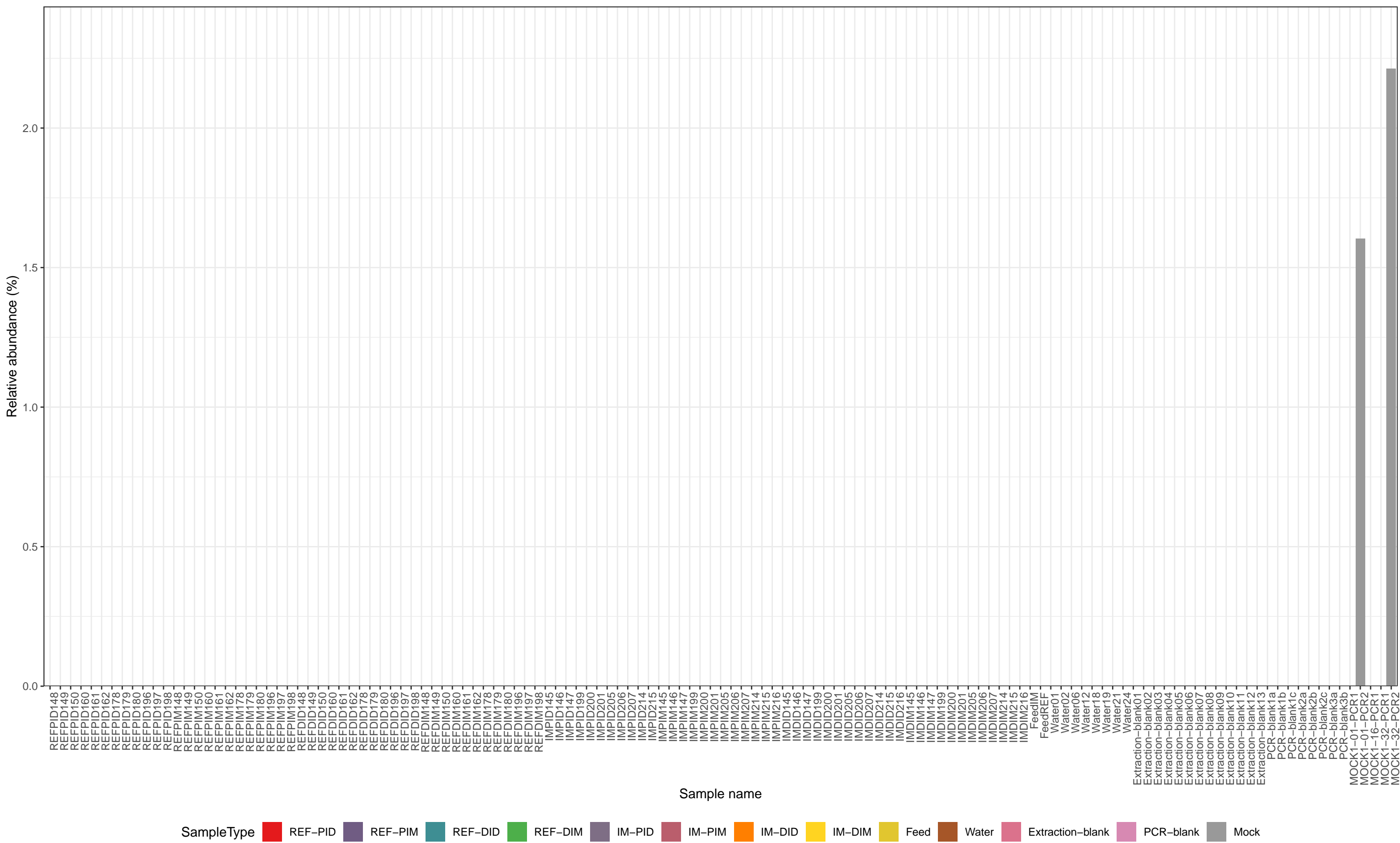
k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Enterobacteriales; f\_\_Enterobacteriaceae; g\_\_Salmonella; NA



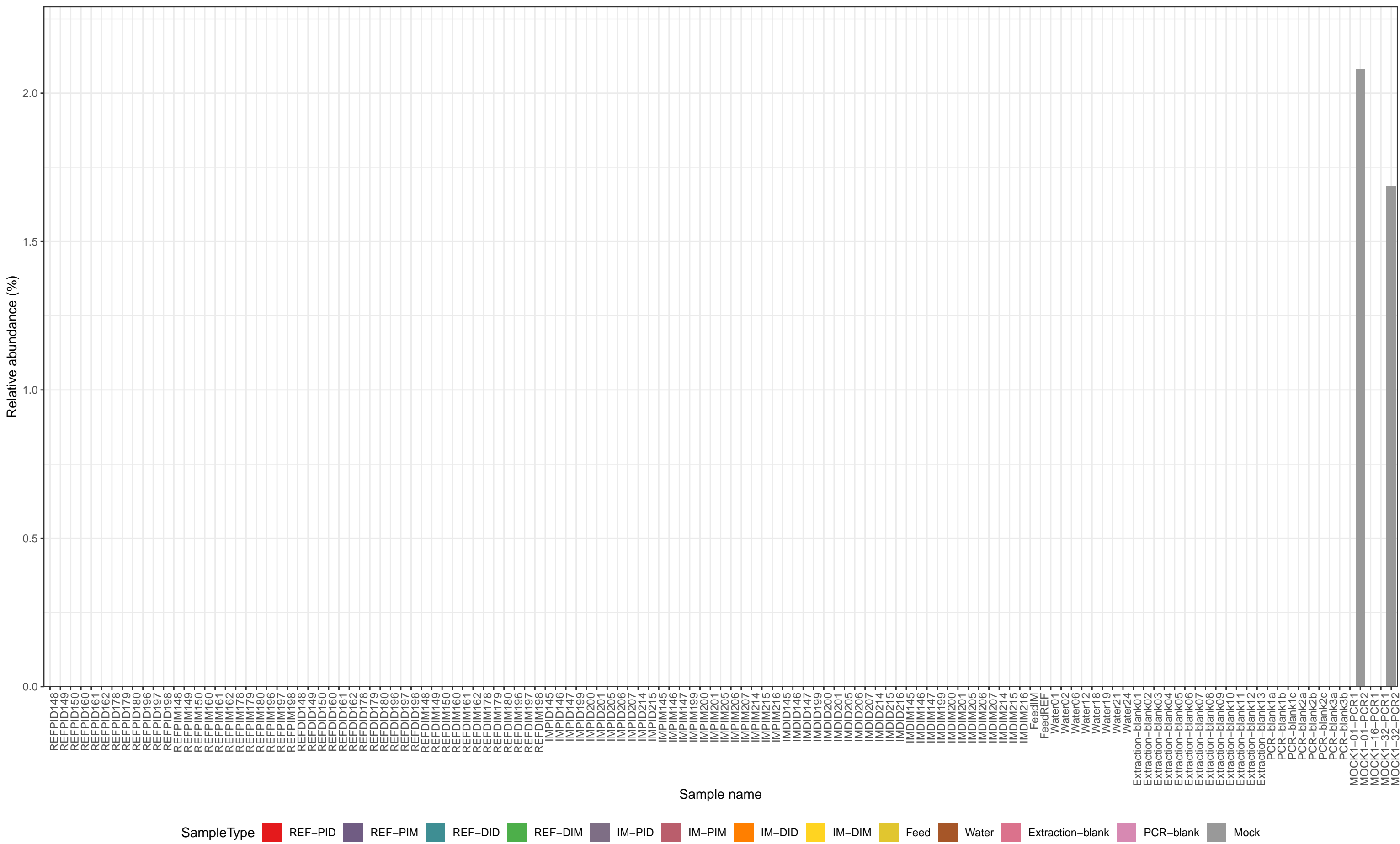
k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Lactobacillales; f\_\_Enterococcaceae; g\_\_Enterococcus; s\_\_Enterococcus faecalis



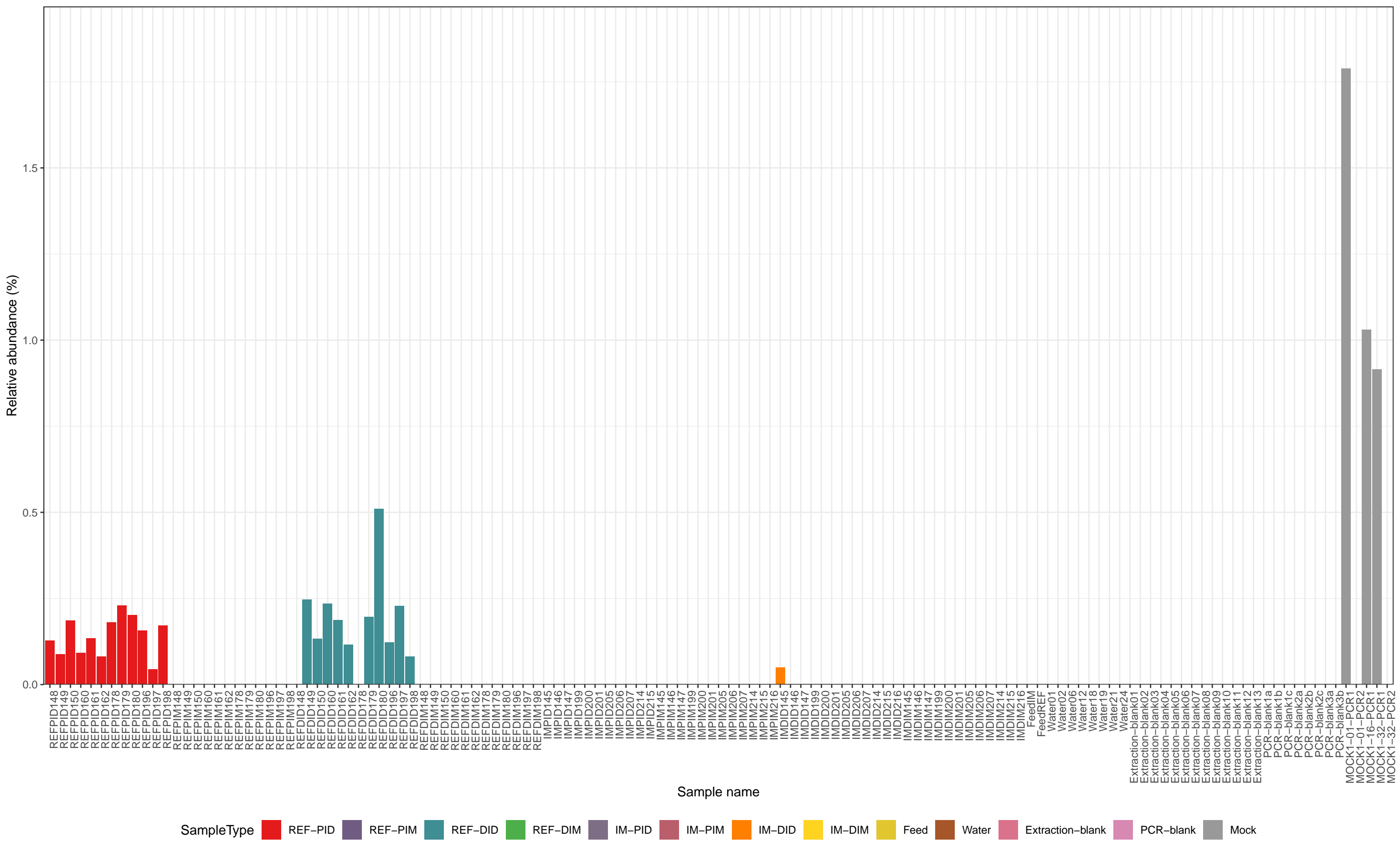
k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Bacillales; f\_\_Staphylococcaceae; g\_\_Staphylococcus; s\_\_Staphylococcus aureus



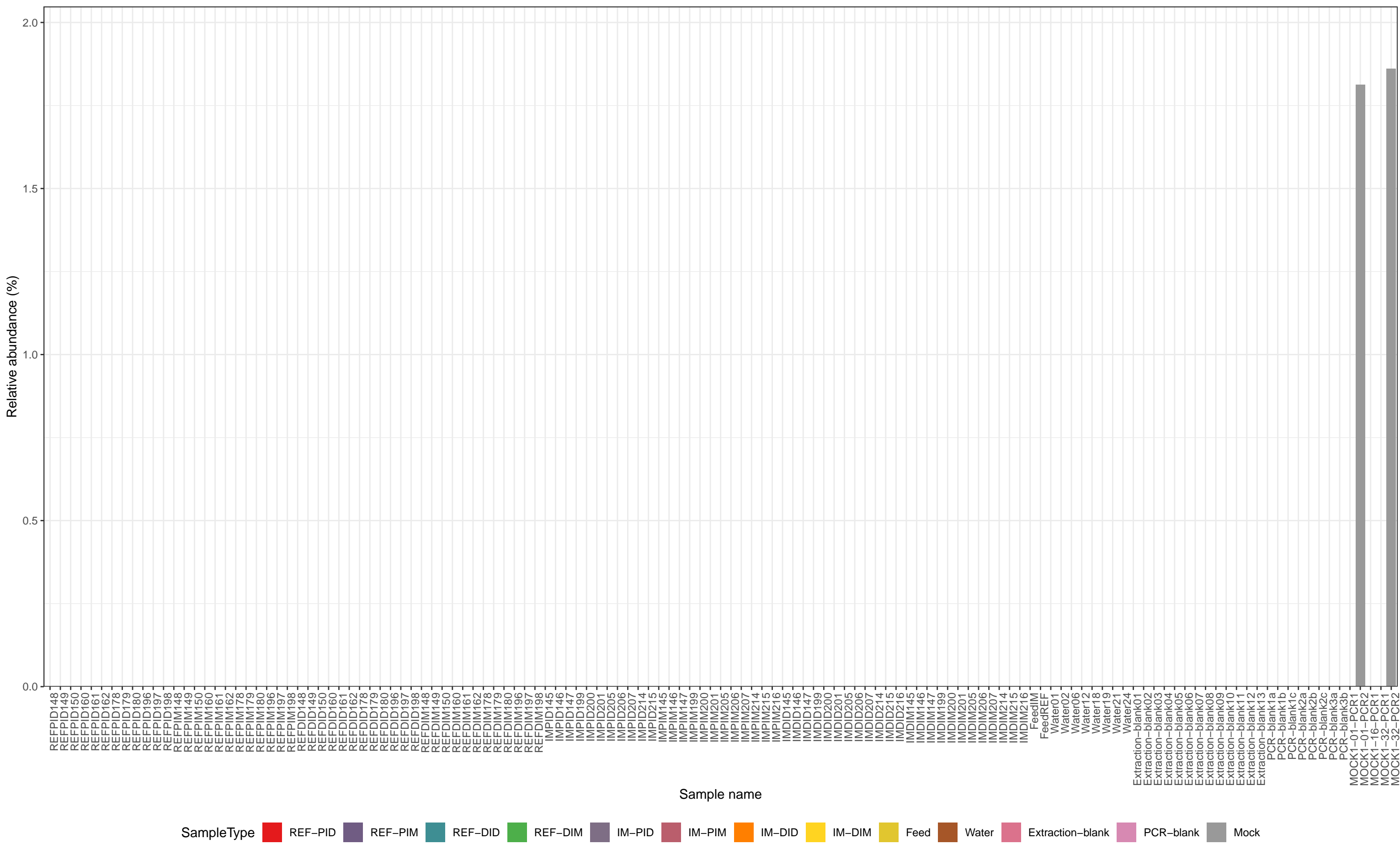
k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Bacillales; f\_\_Listeriaceae; g\_\_Listeria; s\_\_Listeria monocytogenes



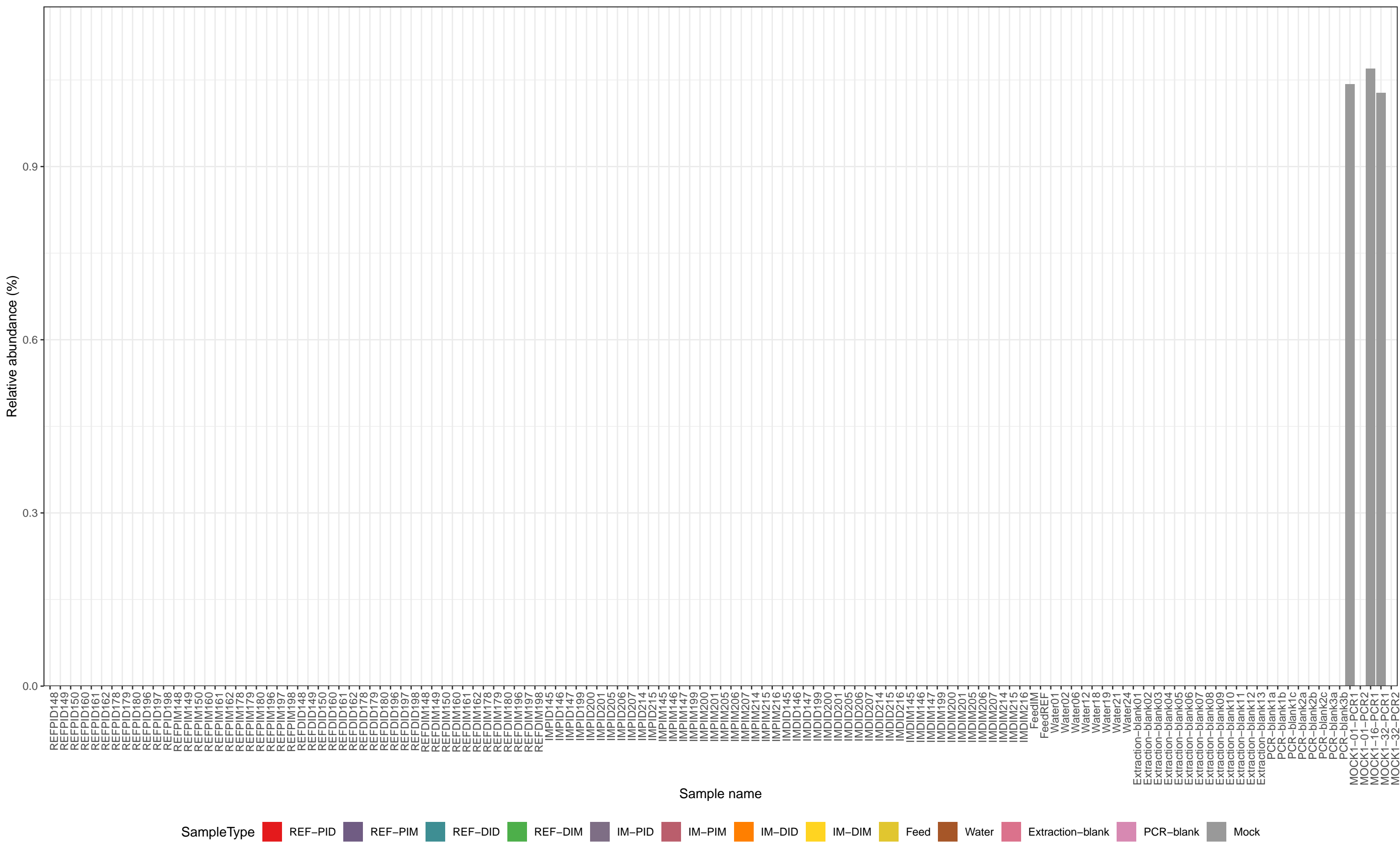
k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Lactobacillales; f\_\_Lactobacillaceae; g\_\_Lactobacillus; s\_\_Lactobacillus fermentum



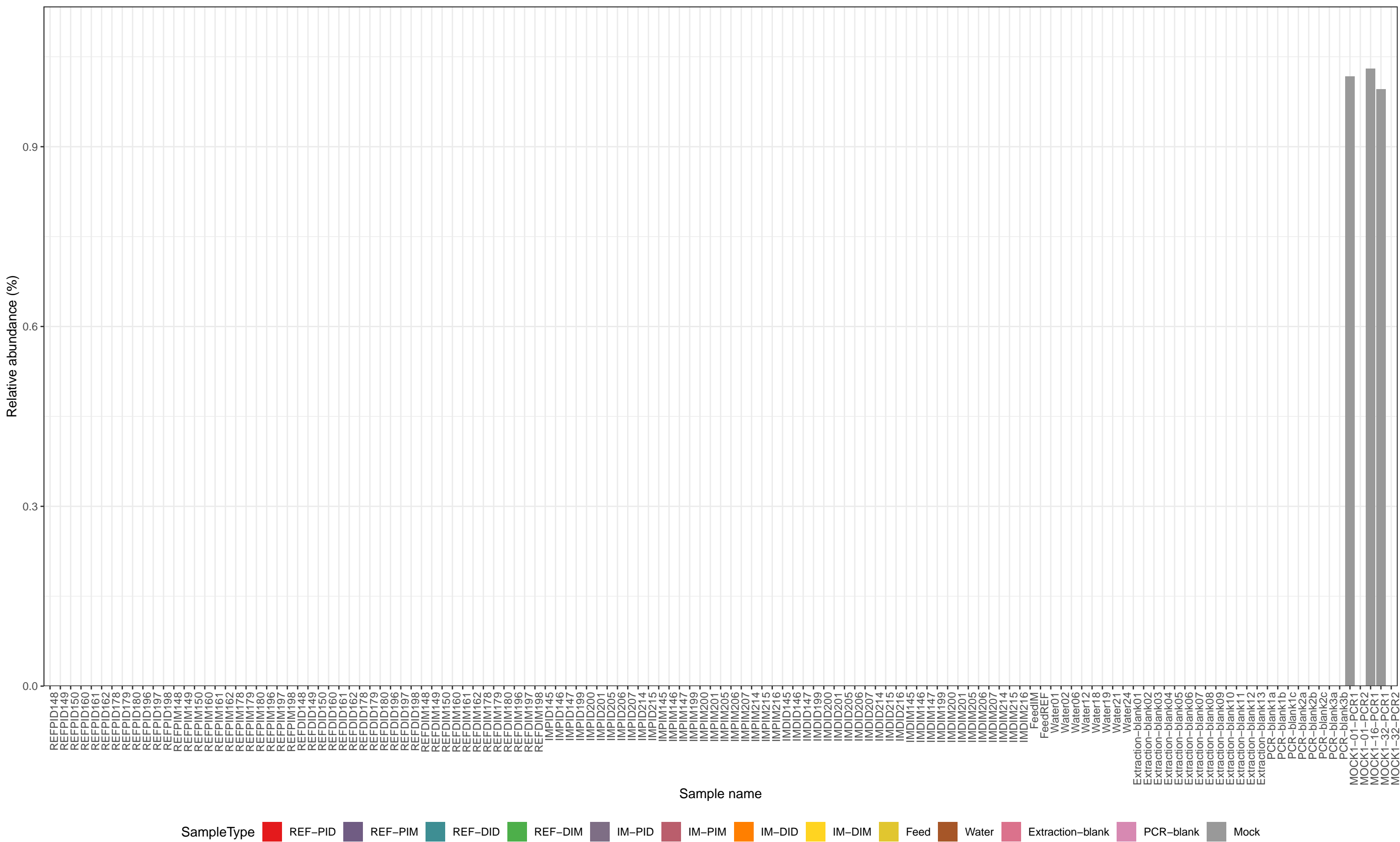
k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Bacillales; f\_\_Staphylococcaceae; g\_\_Staphylococcus; s\_\_Staphylococcus aureus



k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Lactobacillales; f\_\_Enterococcaceae; g\_\_Enterococcus; s\_\_Enterococcus faecalis

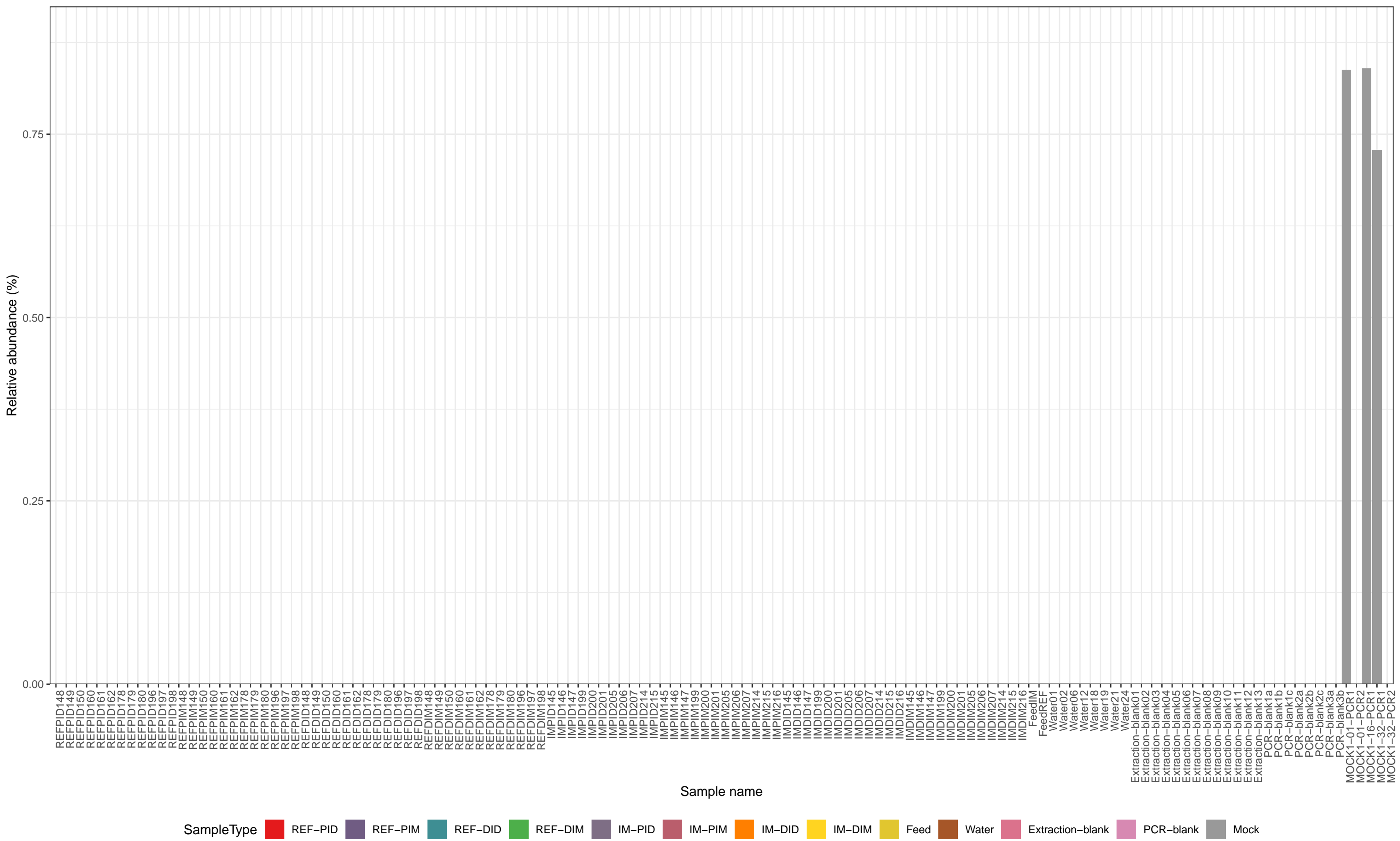


k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Lactobacillales; f\_\_Enterococcaceae; g\_\_Enterococcus; s\_\_Enterococcus faecalis

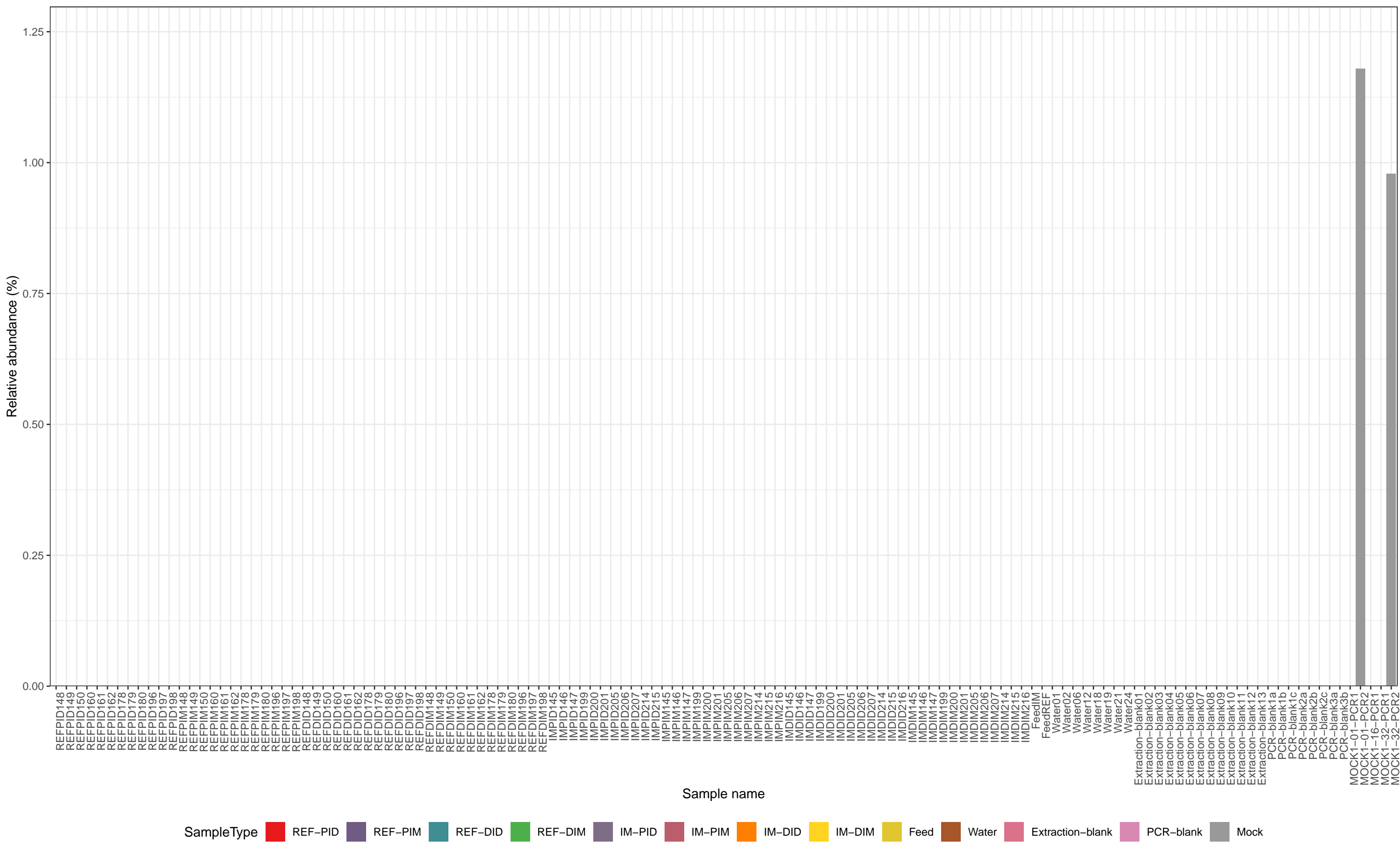




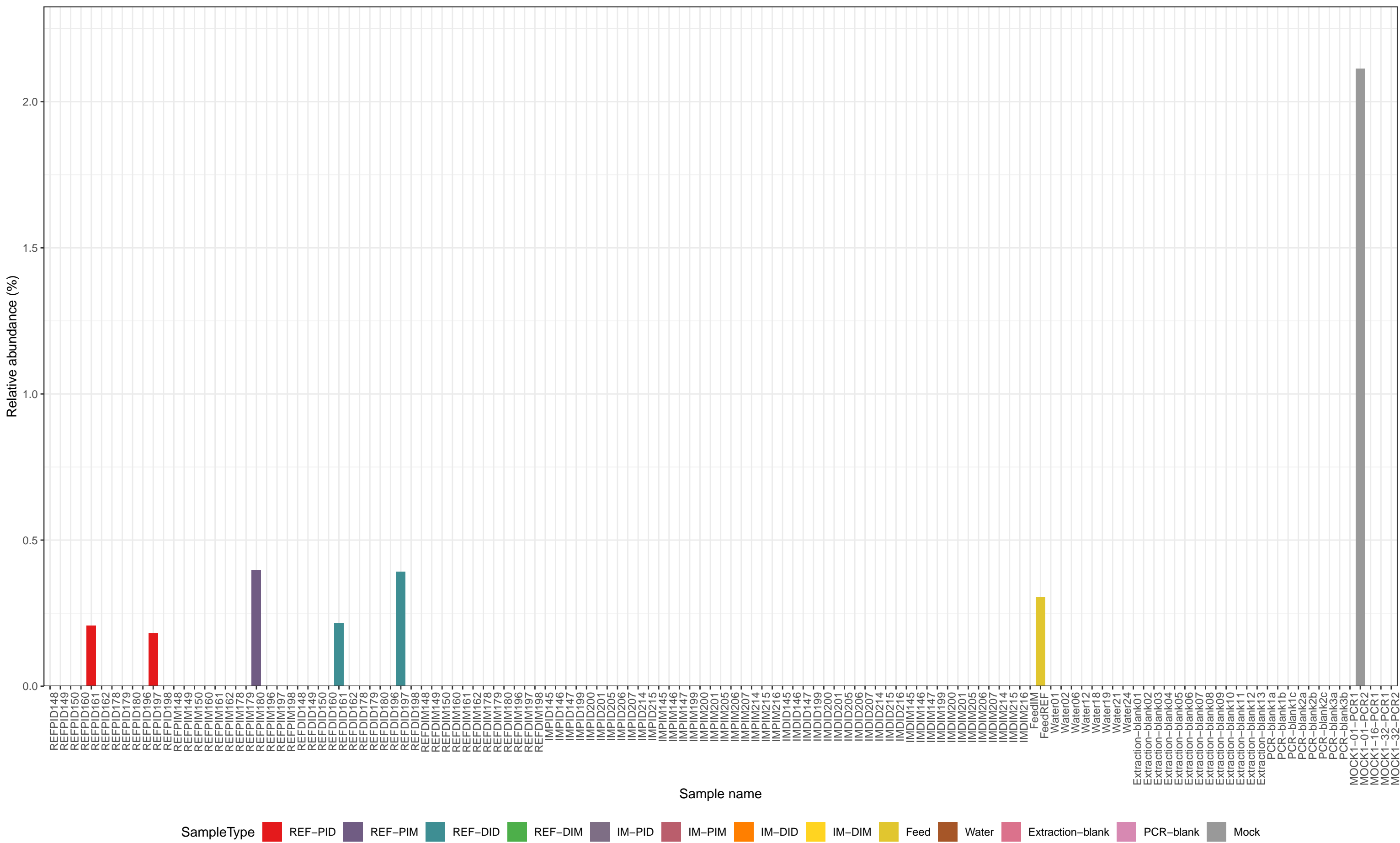
k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Bacillales; f\_\_Listeriaceae; g\_\_Listeria; s\_\_Listeria monocytogenes



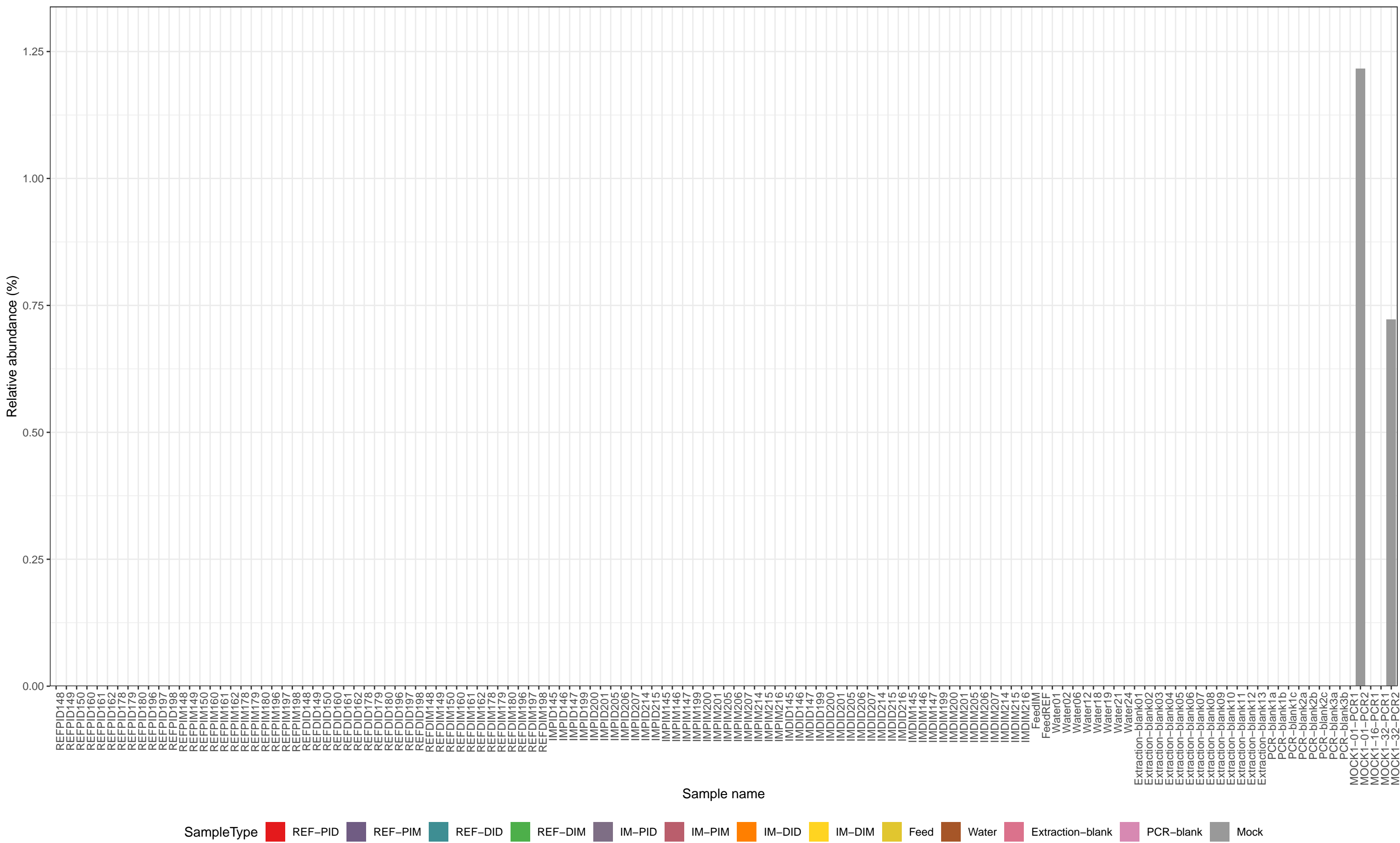
k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Lactobacillales; f\_\_Enterococcaceae; g\_\_Enterococcus; s\_\_Enterococcus faecalis



k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Lactobacillales; f\_\_Lactobacillaceae; g\_\_Lactobacillus; s\_\_Lactobacillus fermentum



k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Lactobacillales; f\_\_Enterococcaceae; g\_\_Enterococcus; s\_\_Enterococcus faecalis



k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Bacillales; f\_\_Listeriaceae; g\_\_Listeria; s\_\_Listeria monocytogenes

Relative abundance (%)

REFPID148  
REFPID149  
REFPID150  
REFPID160  
REFPID161  
REFPID162  
REFPID178  
REFPID179  
REFPID180  
REFPID196  
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Water21  
Water24  
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Extraction-blank02  
Extraction-blank03  
Extraction-blank04  
Extraction-blank05  
Extraction-blank06  
Extraction-blank07  
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Extraction-blank09  
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Extraction-blank12  
Extraction-blank13  
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PCR-blank1b  
PCR-blank1c  
PCR-blank2a  
PCR-blank2b  
PCR-blank2c  
PCR-blank3a  
PCR-blank3b  
MOCK1-01-PCR1  
MOCK1-01-PCR2  
MOCK1-16-PCR1  
MOCK1-32-PCR1  
MOCK1-32-PCR2

Sample name

SampleType REF-PID REF-PIM REF-DID REF-DIM IM-PID IM-PIM IM-DID IM-DIM Feed Water Extraction-blank PCR-blank Mock



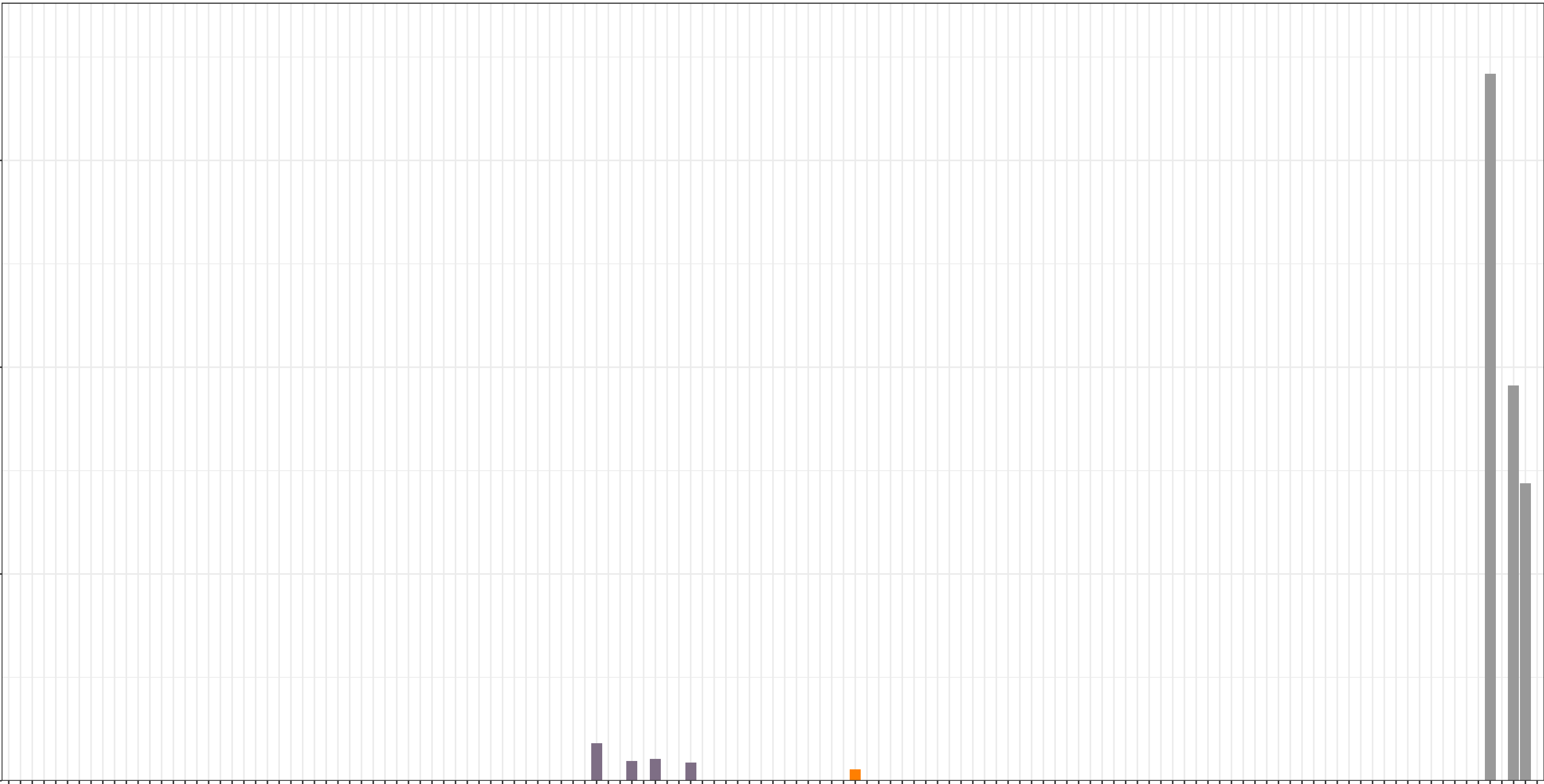
k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Enterobacteriales; f\_\_Enterobacteriaceae; g\_\_Escherichia–Shigella; NA

Relative abundance (%)

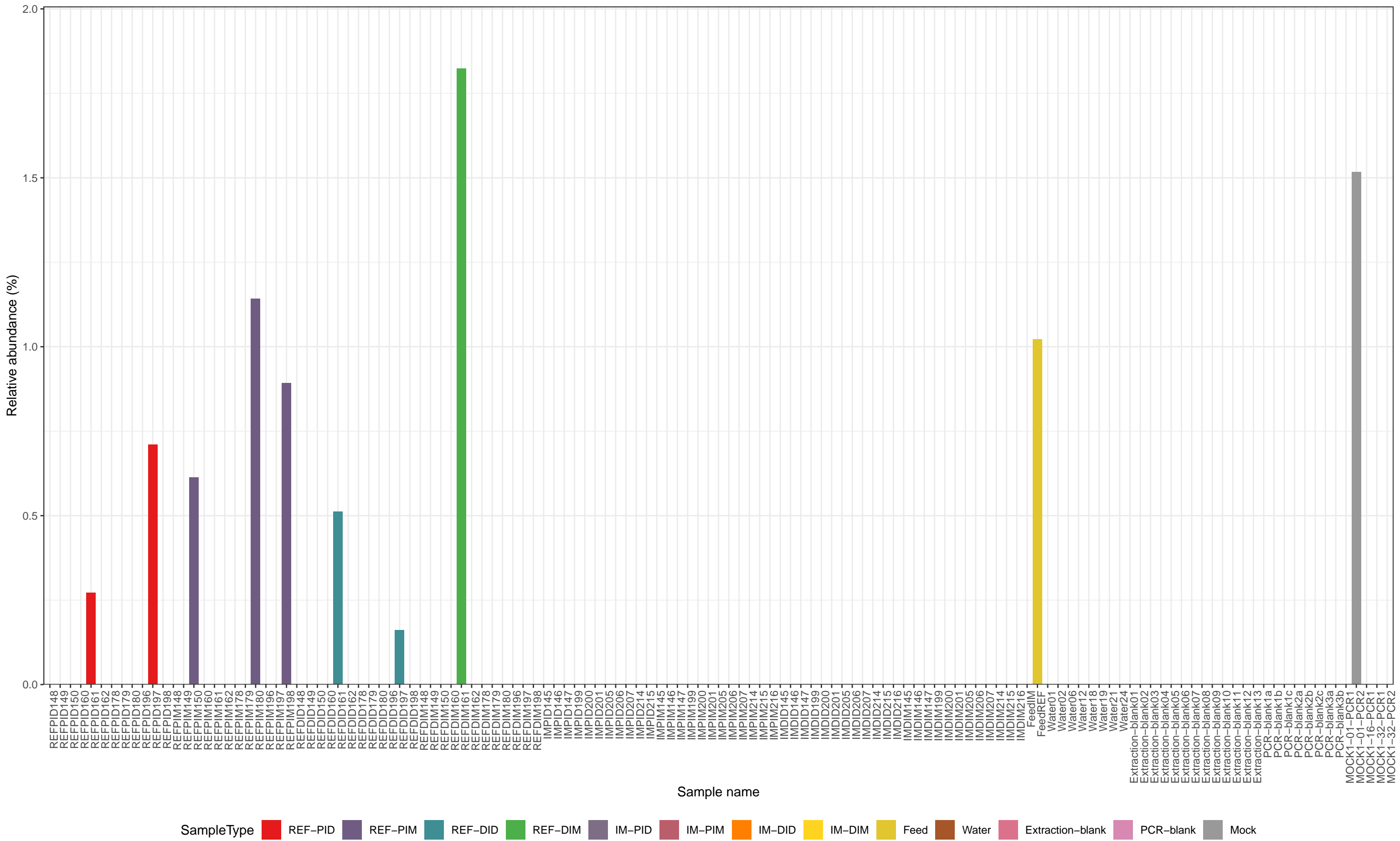
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FeedREF  
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Water02  
Water06  
Water12  
Water18  
Water19  
Water21  
Water24  
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Extraction-blank02  
Extraction-blank03  
Extraction-blank04  
Extraction-blank05  
Extraction-blank06  
Extraction-blank07  
Extraction-blank08  
Extraction-blank09  
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PCR-blank1c  
PCR-blank2a  
PCR-blank2b  
PCR-blank2c  
PCR-blank3a  
PCR-blank3b  
MOCK1-01-PCR1  
MOCK1-01-PCR2  
MOCK1-16-PCR1  
MOCK1-32-PCR1  
MOCK1-32-PCR2

Sample name

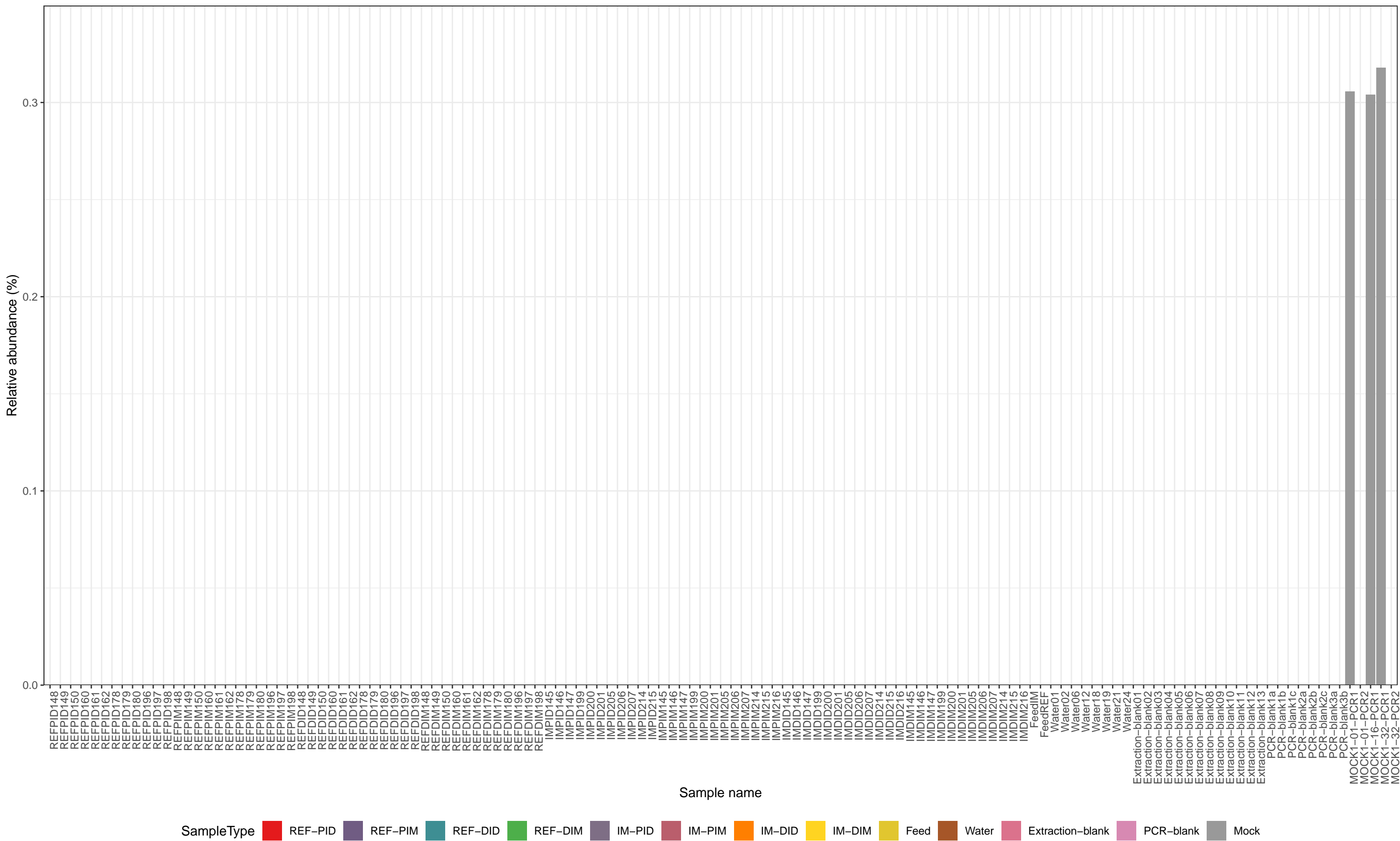
SampleType REF-PID REF-PIM REF-DID REF-DIM IM-PID IM-PIM IM-DID IM-DIM Feed Water Extraction-blank PCR-blank Mock



k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Lactobacillales; f\_\_Lactobacillaceae; g\_\_Lactobacillus; s\_\_Lactobacillus fermentum



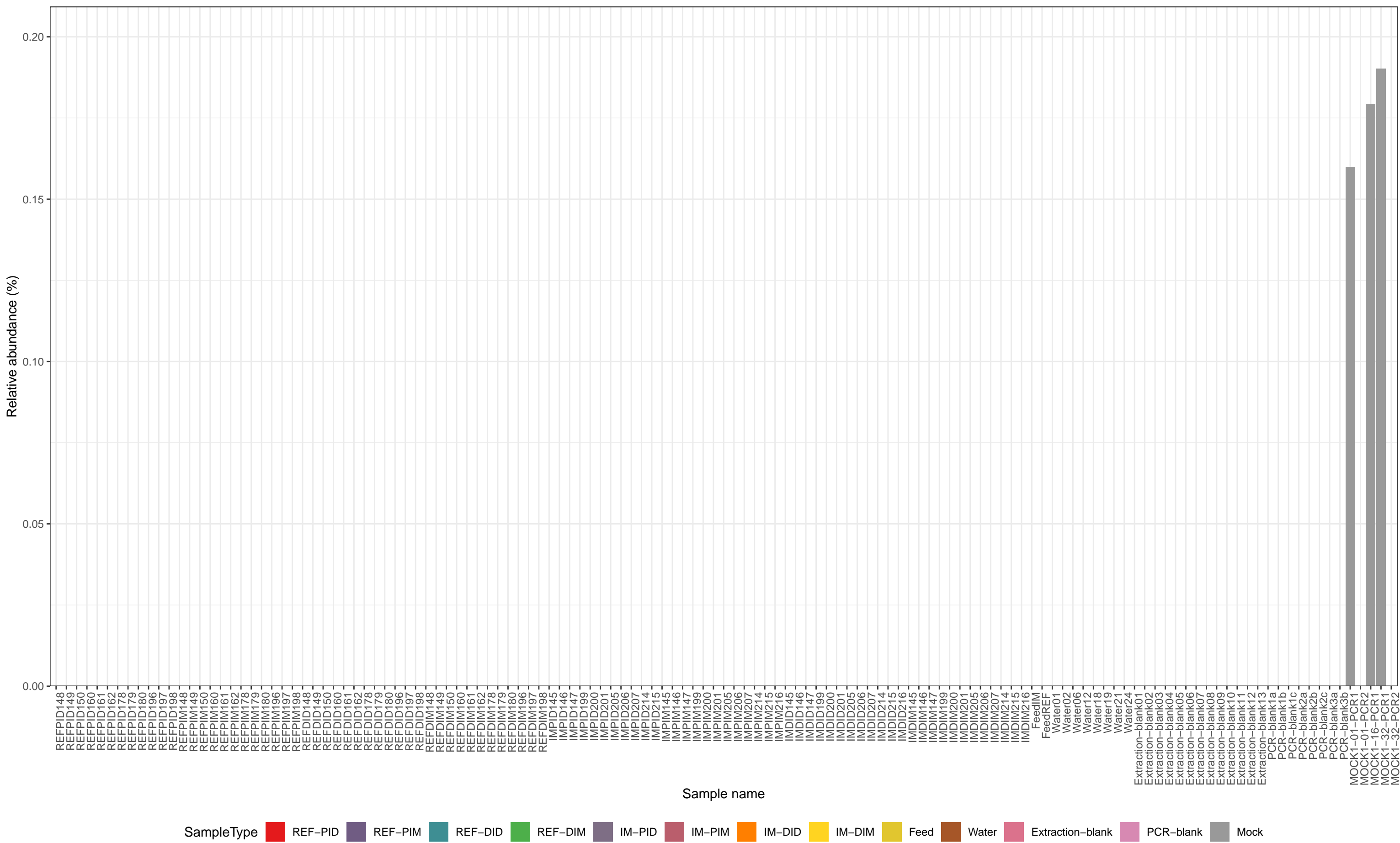
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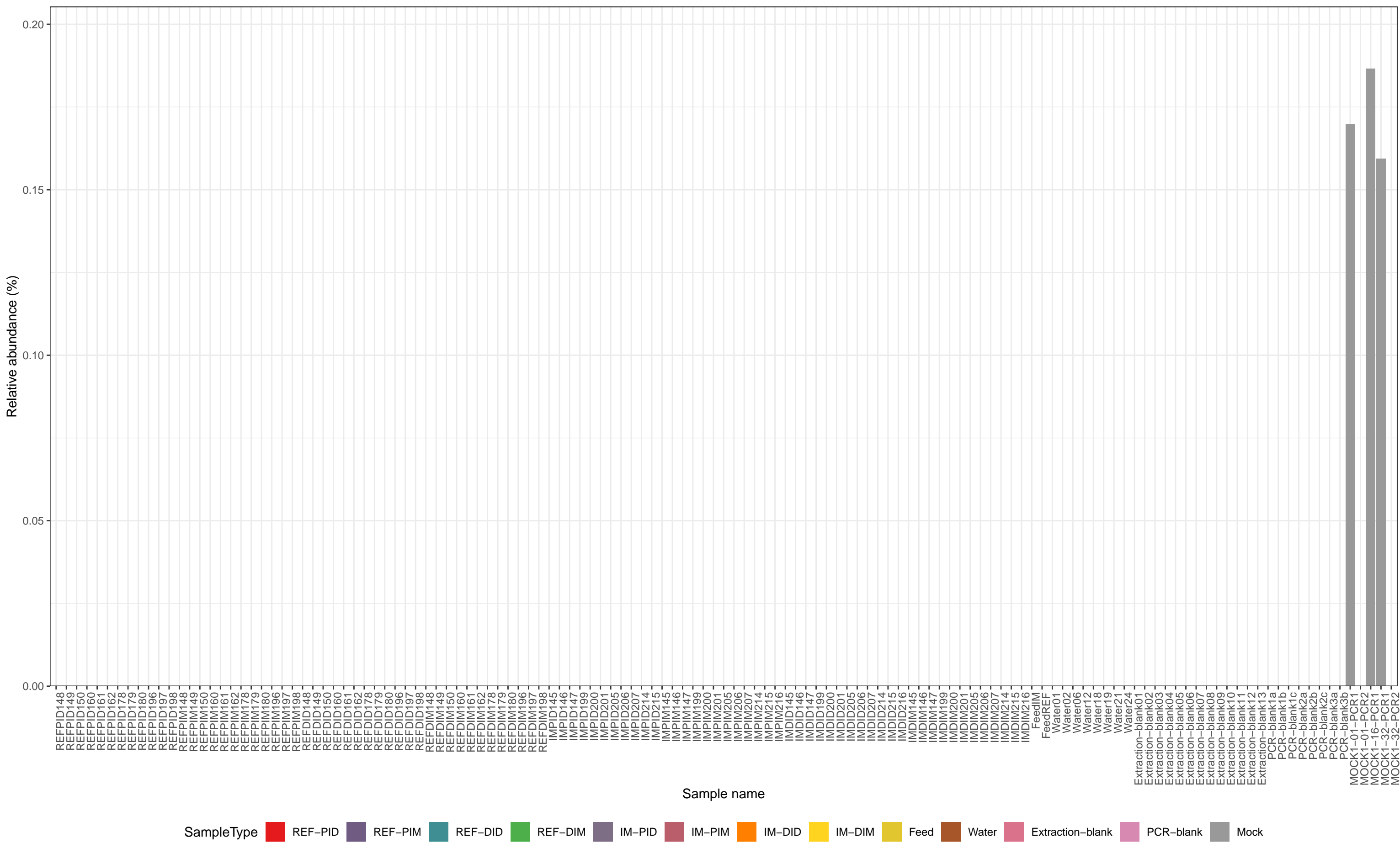




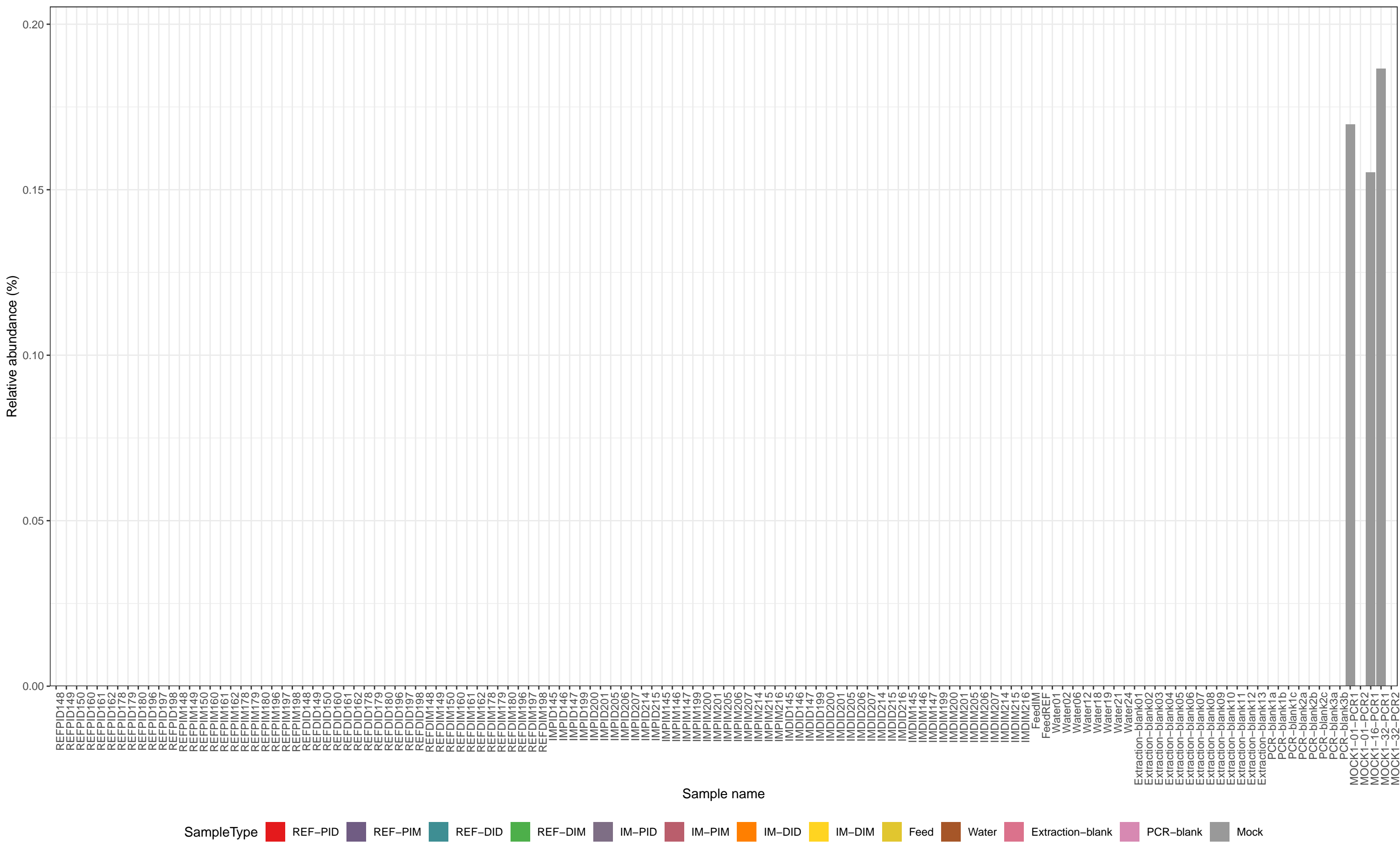
k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Bacillales; f\_\_Staphylococcaceae; g\_\_Staphylococcus; s\_\_Staphylococcus aureus



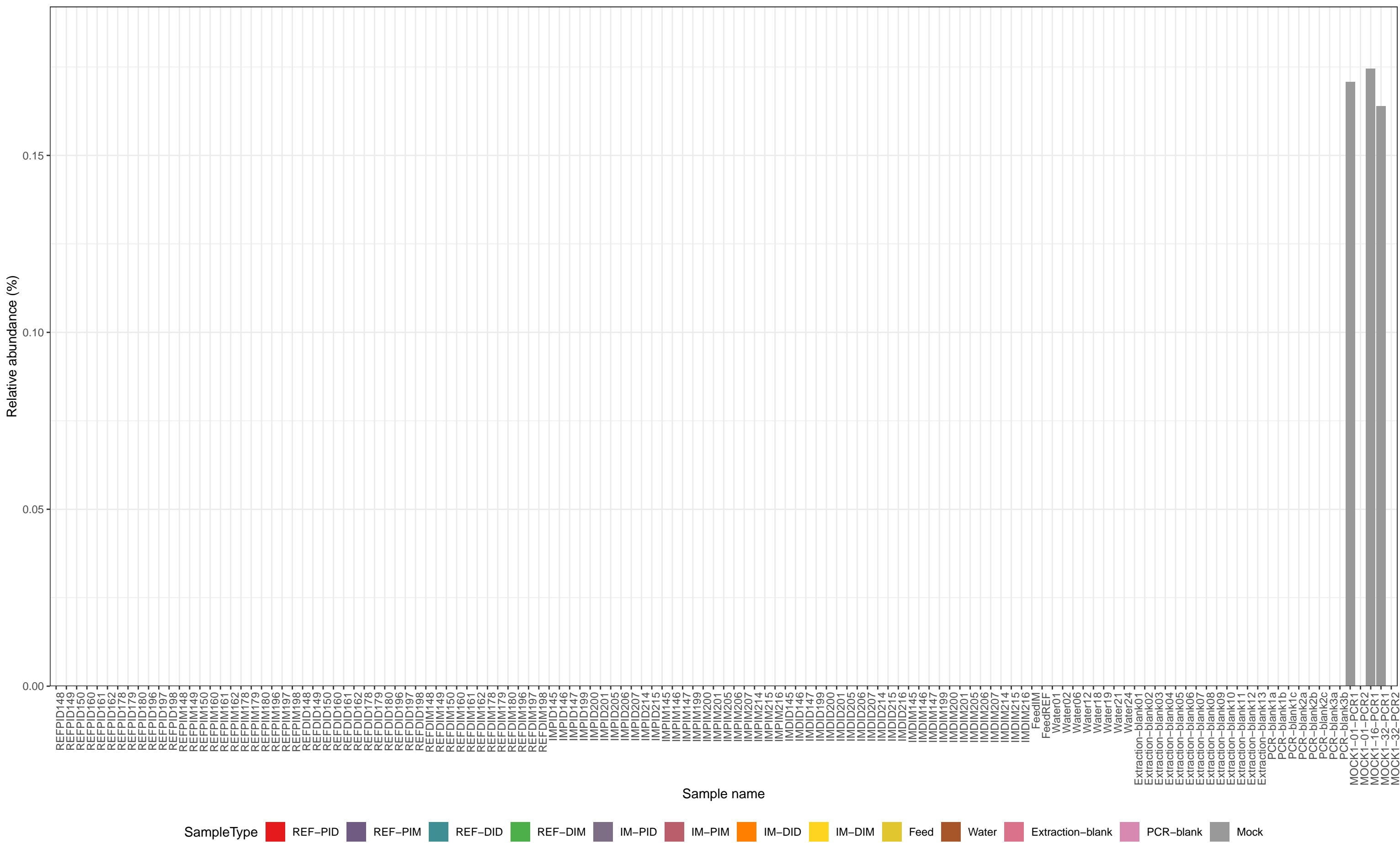
k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Enterobacteriales; f\_\_Enterobacteriaceae; g\_\_Escherichia-Shigella; NA



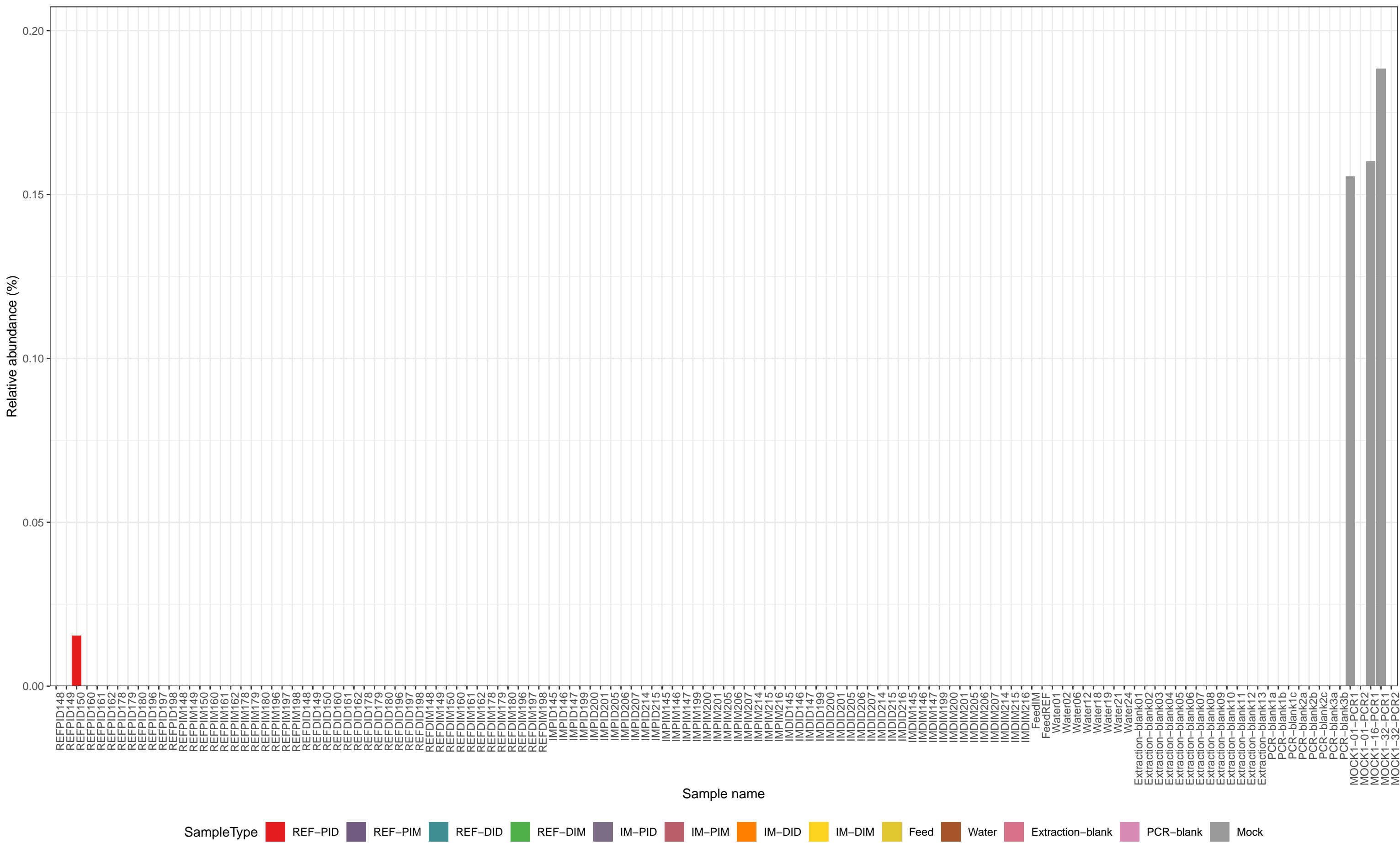
k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Pseudomonadales; f\_\_Pseudomonadaceae; g\_\_Pseudomonas; NA



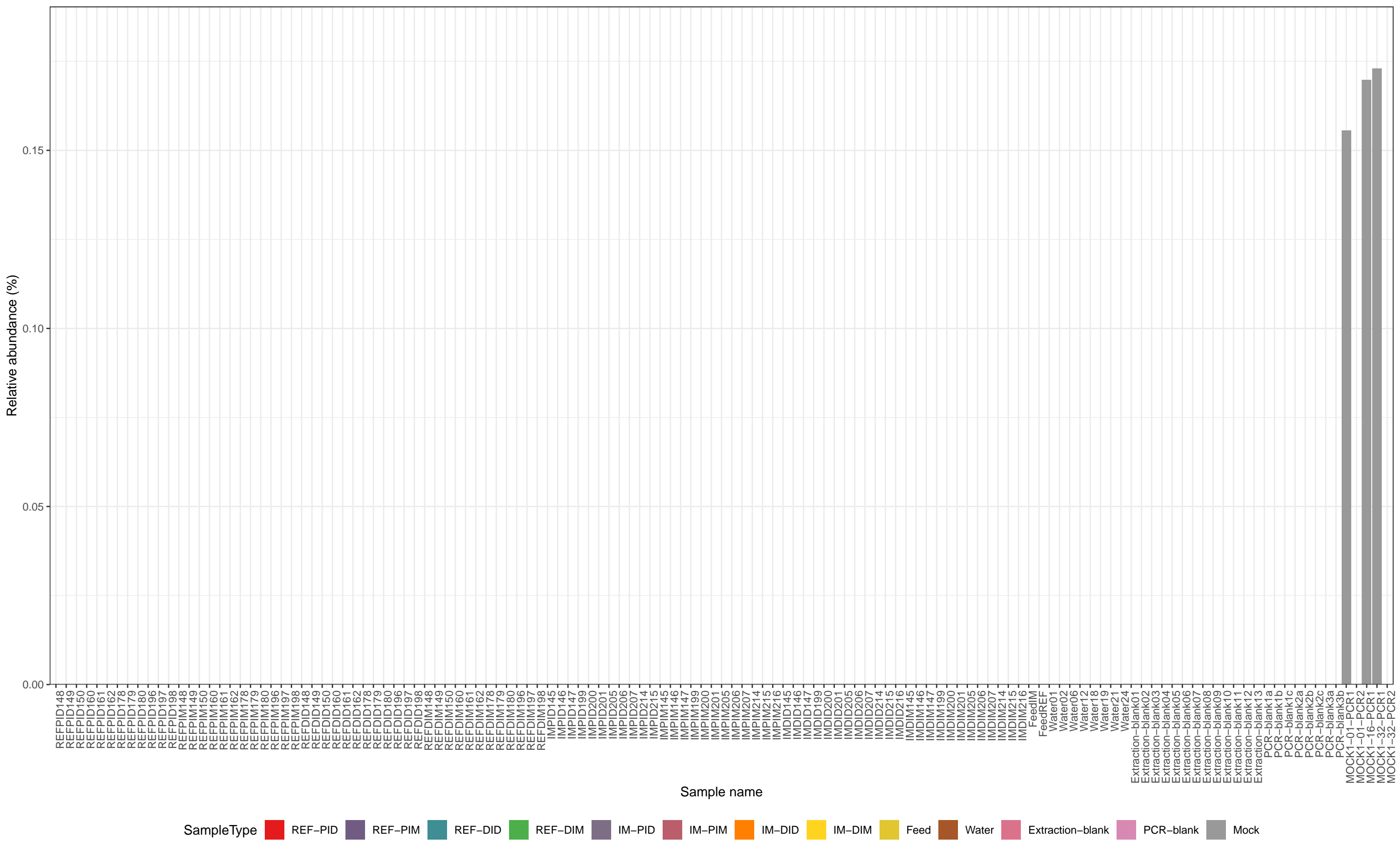
k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Pseudomonadales; f\_\_Pseudomonadaceae; g\_\_Pseudomonas; NA



k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Lactobacillales; f\_\_Lactobacillaceae; g\_\_Lactobacillus; s\_\_Lactobacillus fermentum



k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Lactobacillales; f\_\_Lactobacillaceae; g\_\_Lactobacillus; s\_\_Lactobacillus fermentum



k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Lactobacillales; f\_\_Lactobacillaceae; g\_\_Lactobacillus; s\_\_Lactobacillus fermentum

Relative abundance (%)

Sample name

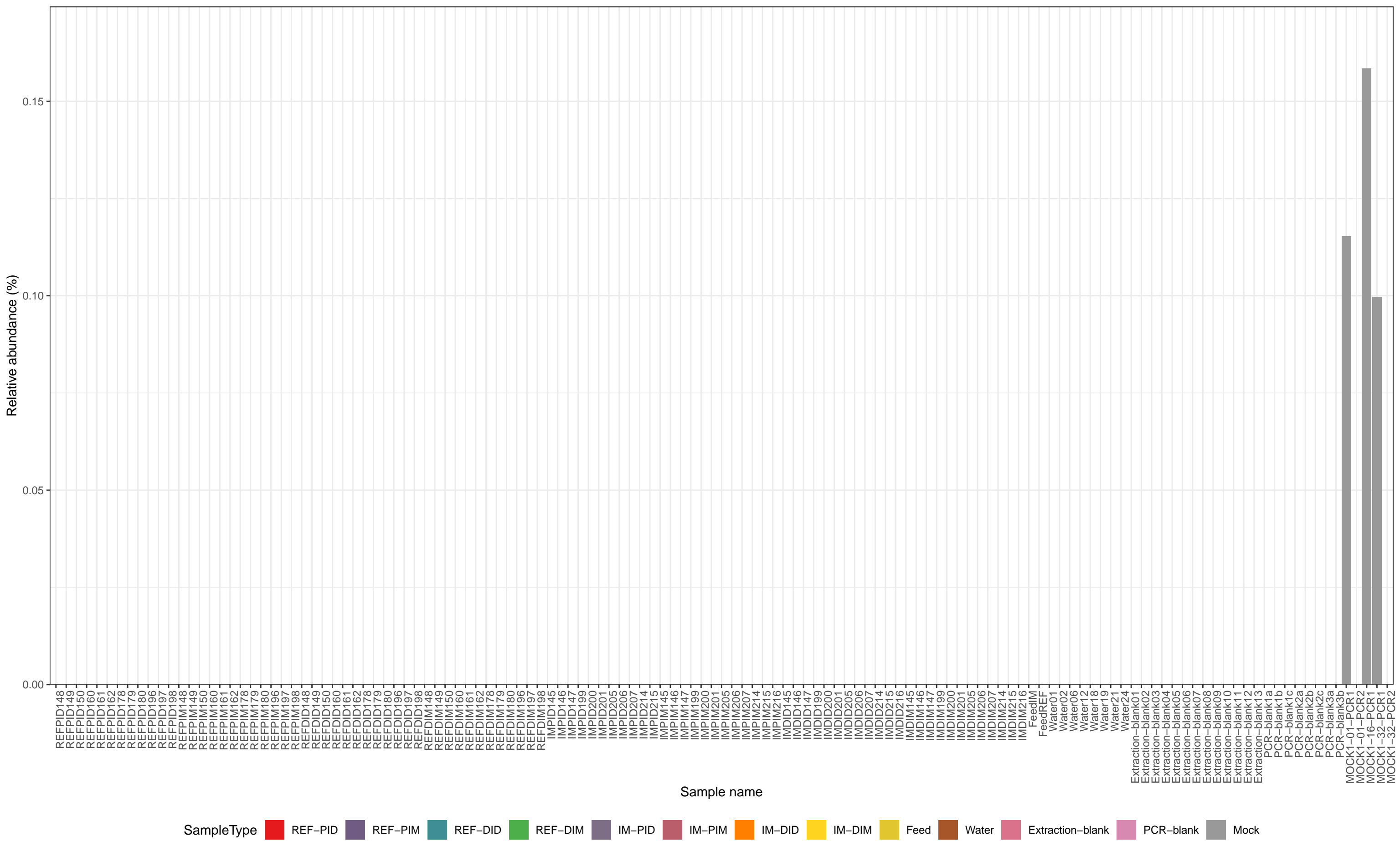
SampleType REF-PID REF-PIM REF-DID REF-DIM IM-PID IM-PIM IM-DID IM-DIM Feed Water Extraction-blank PCR-blank Mock







k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Lactobacillales; f\_\_Lactobacillaceae; g\_\_Lactobacillus; s\_\_Lactobacillus fermentum



k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Enterobacteriales; f\_\_Enterobacteriaceae; g\_\_Escherichia–Shigella; NA

Relative abundance (%)

0.10

0.05

0.00

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REFPID149  
REFPID150  
REFPID160  
REFPID161  
REFPID162  
REFPID178  
REFPID179  
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Water06  
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Water19  
Water21  
Water24  
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Extraction-blank03  
Extraction-blank04  
Extraction-blank05  
Extraction-blank06  
Extraction-blank07  
Extraction-blank08  
Extraction-blank09  
Extraction-blank10  
Extraction-blank11  
Extraction-blank12  
Extraction-blank13  
PCR-blank1a  
PCR-blank1b  
PCR-blank1c  
PCR-blank2a  
PCR-blank2b  
PCR-blank2c  
PCR-blank3a  
PCR-blank3b  
MOCK1-01-PCR1  
MOCK1-01-PCR2  
MOCK1-16-PCR1  
MOCK1-32-PCR1  
MOCK1-32-PCR2

Sample name

SampleType

REF-PID

REF-PIM

REF-DID

REF-DIM

IM-PID

IM-PIM

IM-DID

IM-DIM

Feed

Water

Extraction-blank

PCR-blank

Mock

k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Lactobacillales; f\_\_Lactobacillaceae; g\_\_Lactobacillus; s\_\_Lactobacillus fermentum

Relative abundance (%)

0.10

0.05

0.00

REFPID148  
REFPID149  
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REFPID160  
REFPID161  
REFPID162  
REFPID178  
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Water24  
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Extraction-blank03  
Extraction-blank04  
Extraction-blank05  
Extraction-blank06  
Extraction-blank07  
Extraction-blank08  
Extraction-blank09  
Extraction-blank10  
Extraction-blank11  
Extraction-blank12  
Extraction-blank13  
PCR-blank1a  
PCR-blank1b  
PCR-blank1c  
PCR-blank2a  
PCR-blank2b  
PCR-blank2c  
PCR-blank3a  
PCR-blank3b  
MOCK1-01-PCR1  
MOCK1-01-PCR2  
MOCK1-16-PCR1  
MOCK1-32-PCR1  
MOCK1-32-PCR2

Sample name

SampleType

REF-PID

REF-PIM

REF-DID

REF-DIM

IM-PID

IM-PIM

IM-DID

IM-DIM

Feed

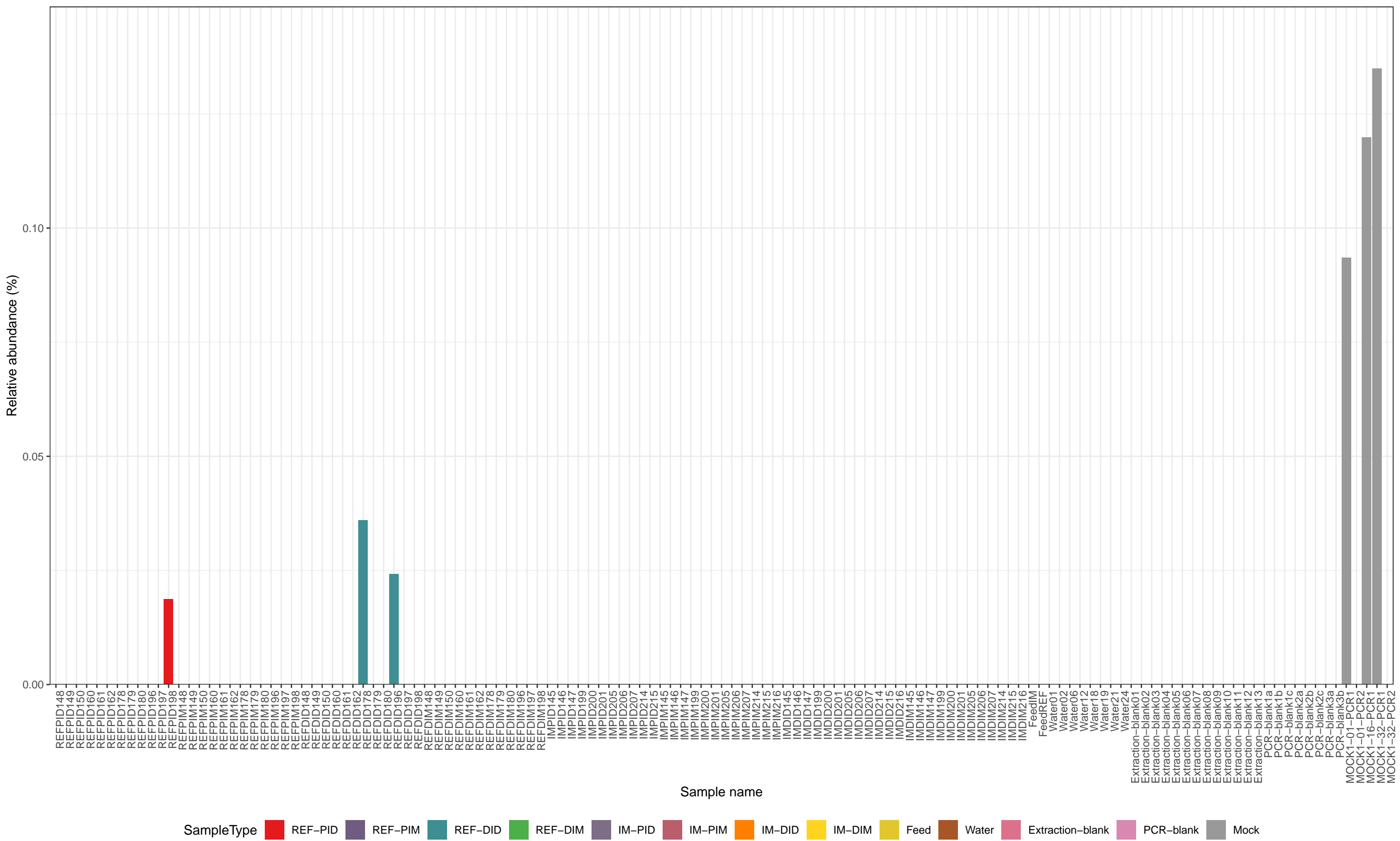
Water

Extraction-blank

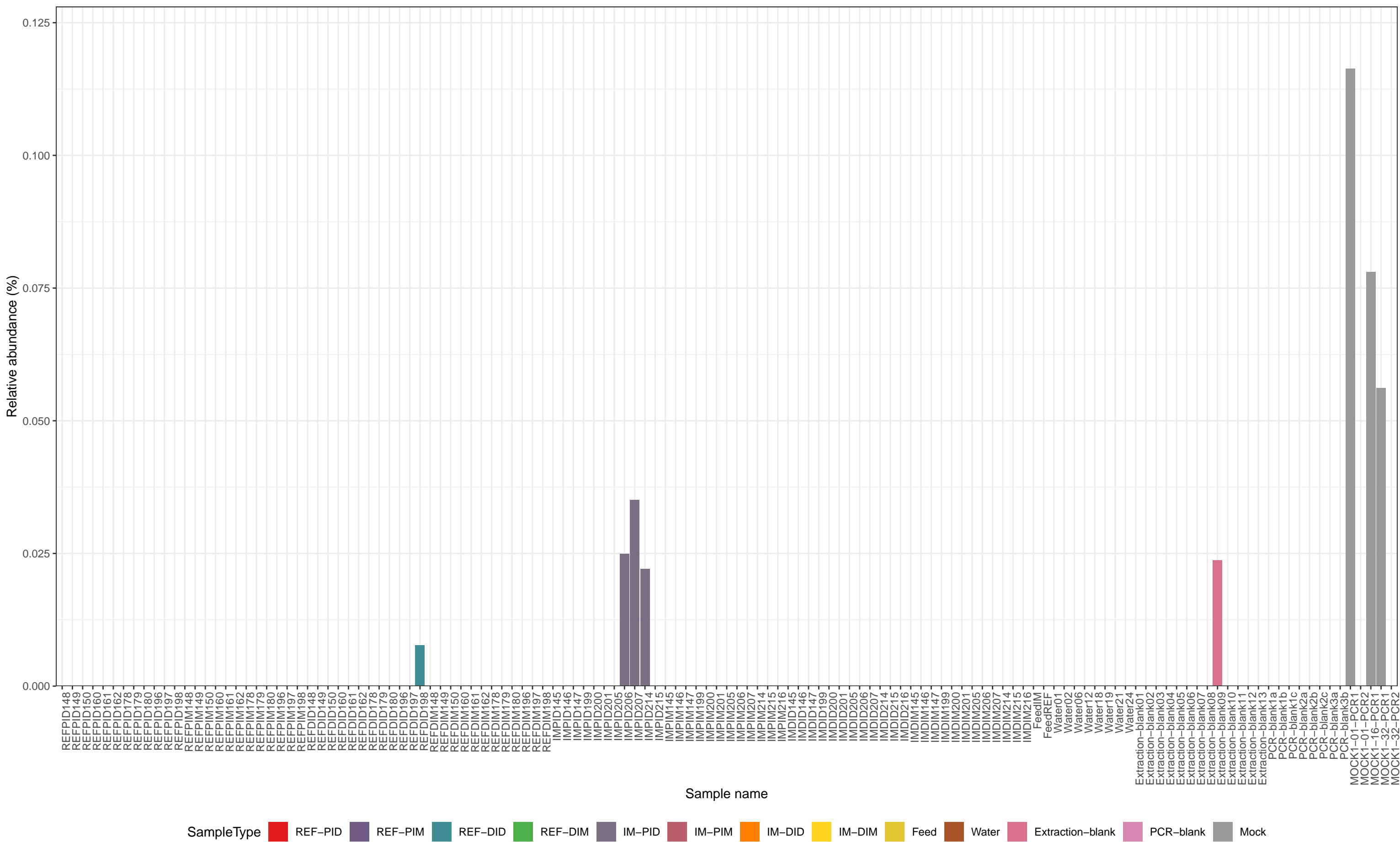
PCR-blank

Mock

k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Lactobacillales; f\_\_Lactobacillaceae; g\_\_Lactobacillus; s\_\_Lactobacillus fermentum



k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria; o\_\_Enterobacteriales; f\_\_Enterobacteriaceae; NA; NA



k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Lactobacillales; f\_\_Enterococcaceae; g\_\_Enterococcus; s\_\_Enterococcus faecalis

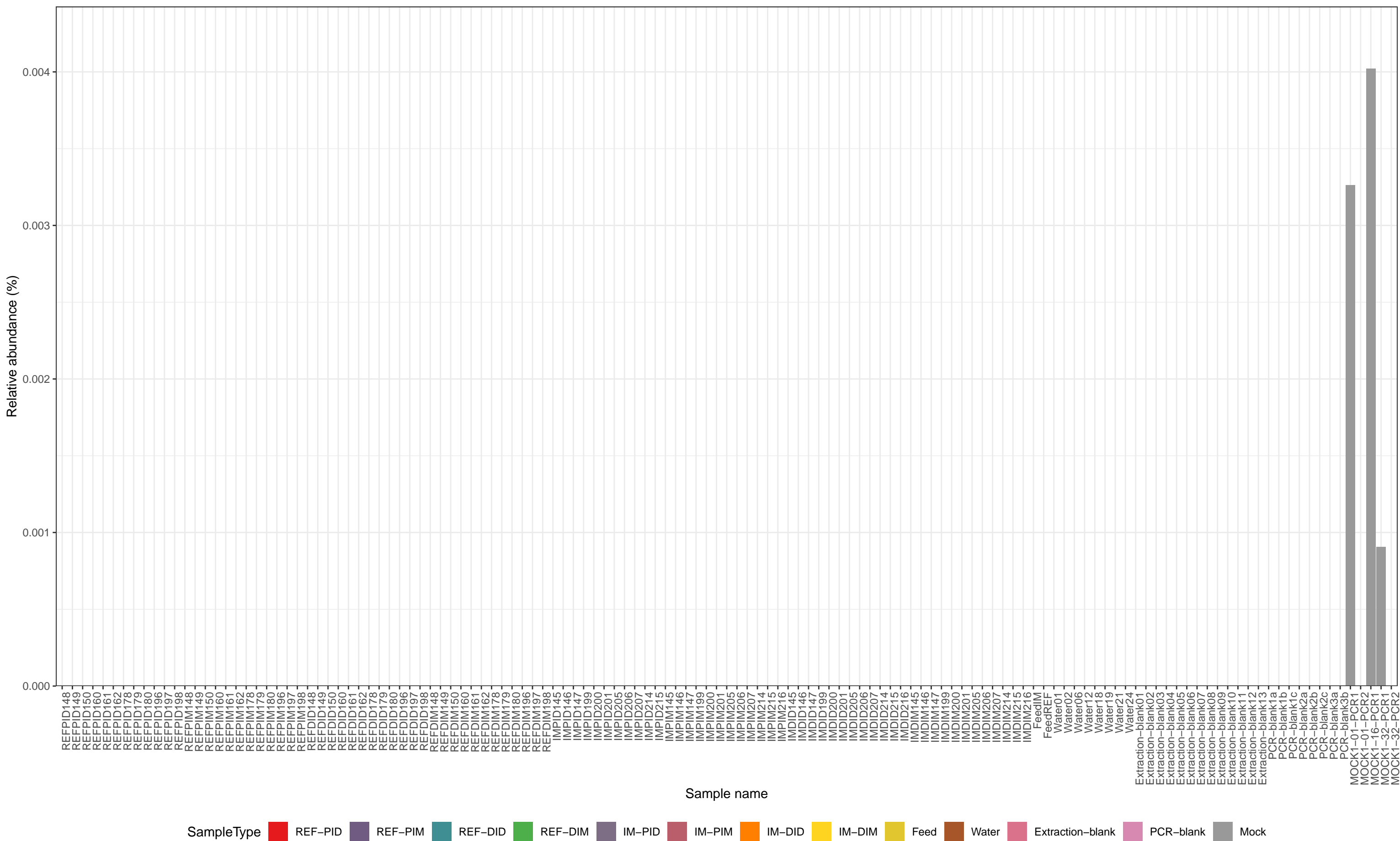
Relative abundance (%)

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Water21  
Water24  
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Extraction-blank03  
Extraction-blank04  
Extraction-blank05  
Extraction-blank06  
Extraction-blank07  
Extraction-blank08  
Extraction-blank09  
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PCR-blank1b  
PCR-blank1c  
PCR-blank2a  
PCR-blank2b  
PCR-blank2c  
PCR-blank3a  
PCR-blank3b  
MOCK1-01-PCR1  
MOCK1-01-PCR2  
MOCK1-16-PCR1  
MOCK1-32-PCR1  
MOCK1-32-PCR2

SampleType REF-PID REF-PIM REF-DID REF-DIM IM-PID IM-PIM IM-DID IM-DIM Feed Water Extraction-blank PCR-blank Mock

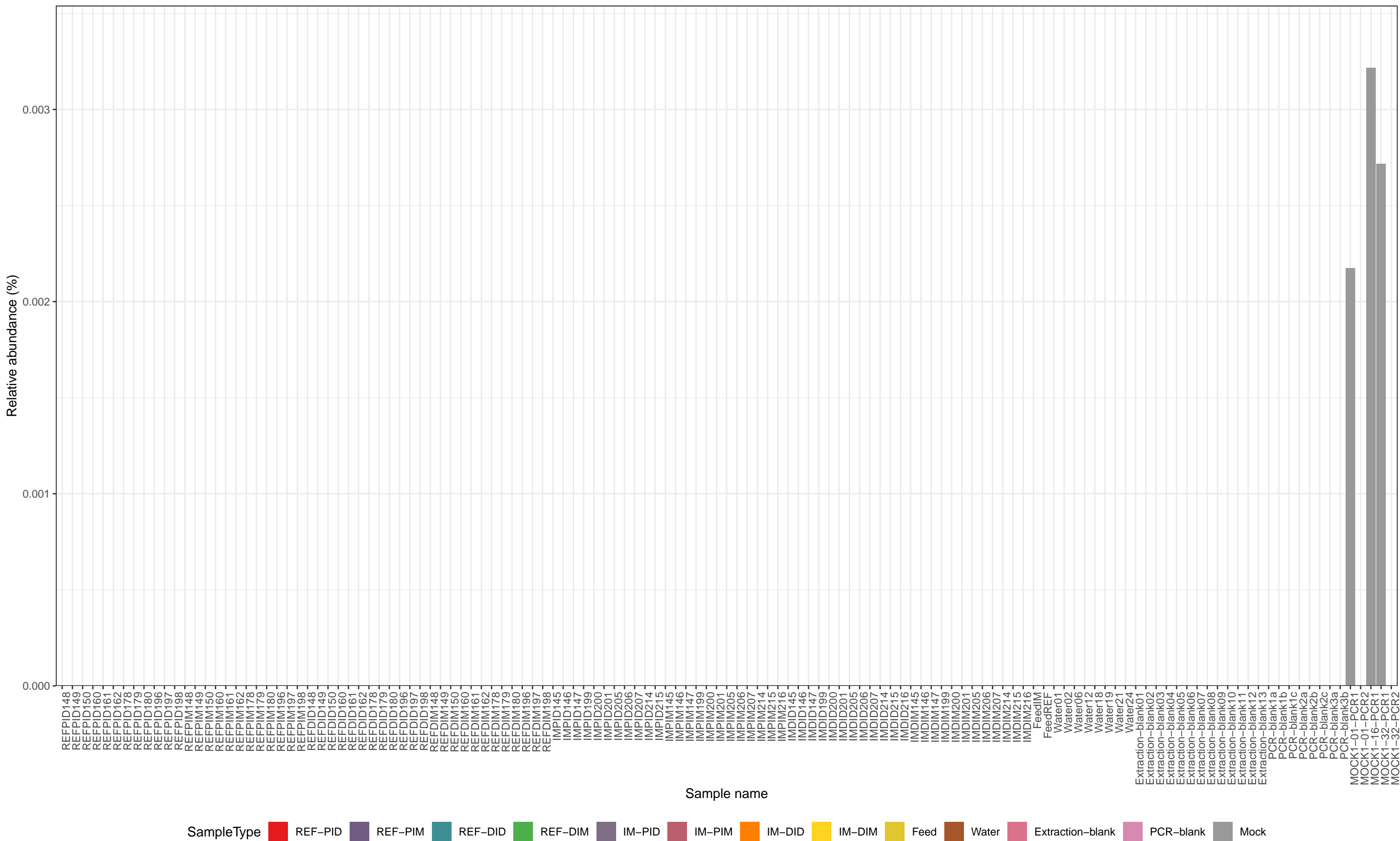
Sample name

k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Lactobacillales; f\_\_Enterococcaceae; g\_\_Enterococcus; NA





k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Bacillales; f\_\_Bacillaceae; g\_\_Bacillus; NA



k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli; o\_\_Bacillales; f\_\_Bacillaceae; g\_\_Bacillus; NA

