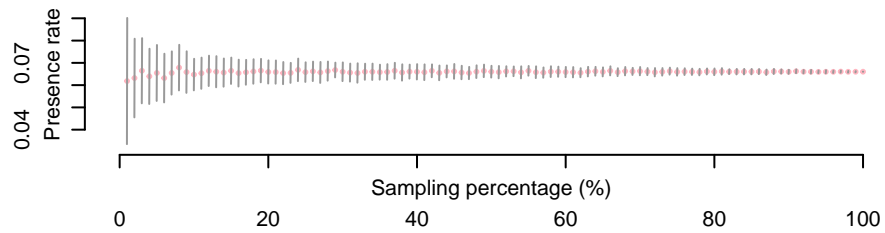
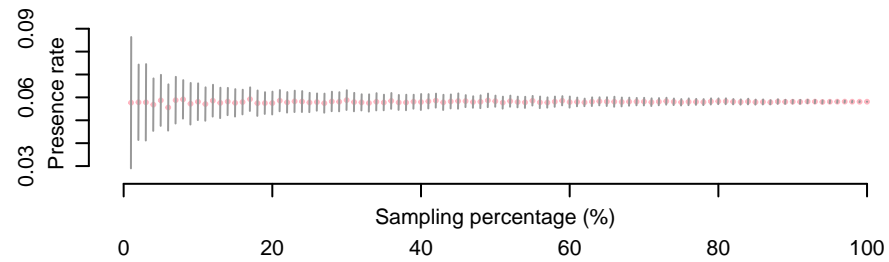


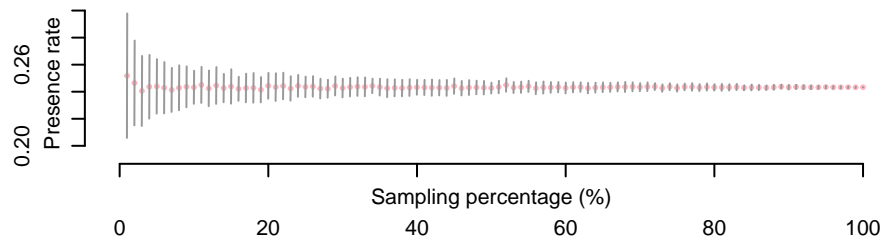
**Methanobrevibacter\_smithii**



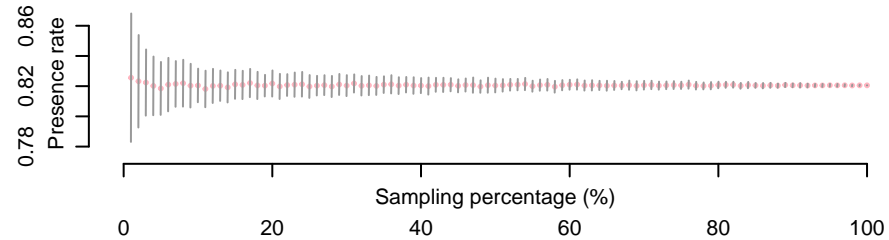
**Methanobrevibacter\_unclassified**



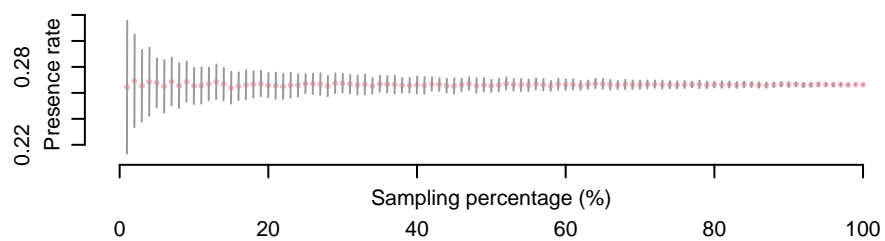
**Rothia\_mucilaginosa**



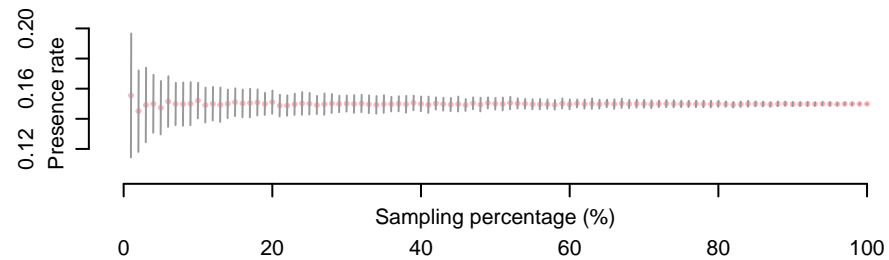
**Bifidobacterium\_adolescentis**



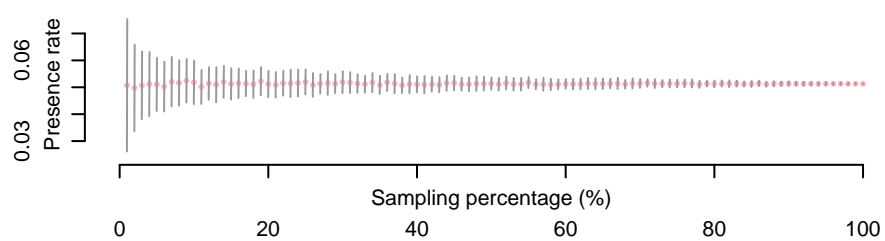
**Bifidobacterium\_bifidum**



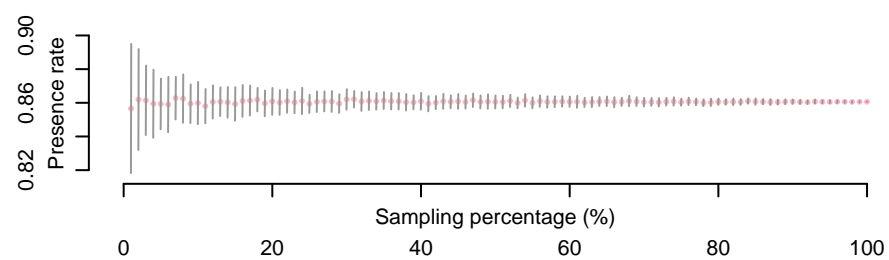
**Bifidobacterium\_catenumatum**



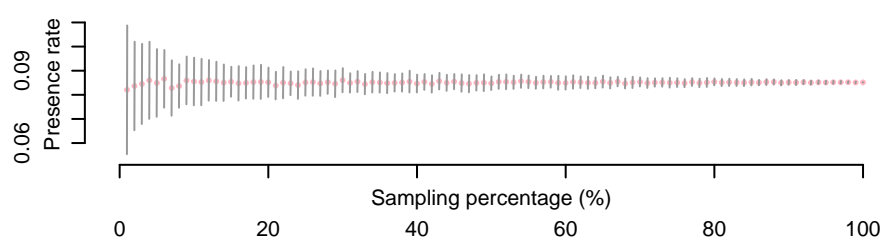
**Bifidobacterium\_dentium**



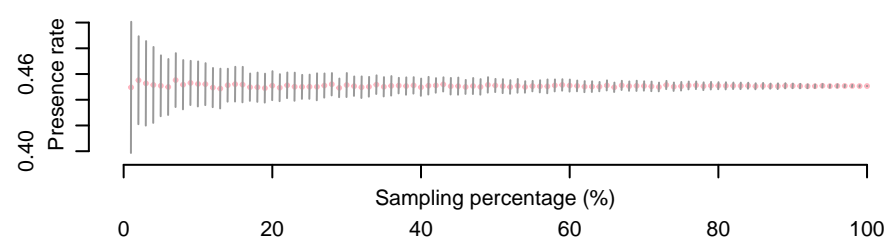
**Bifidobacterium\_longum**



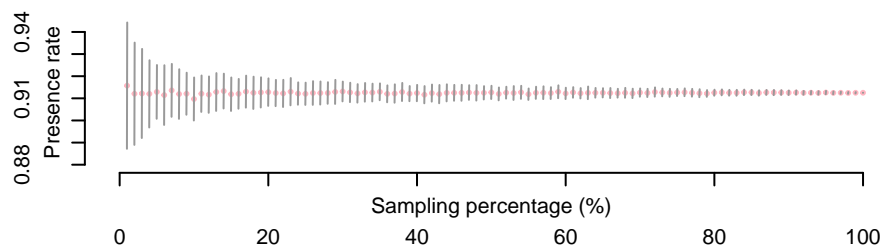
**Bifidobacterium\_pseudocatenulatum**



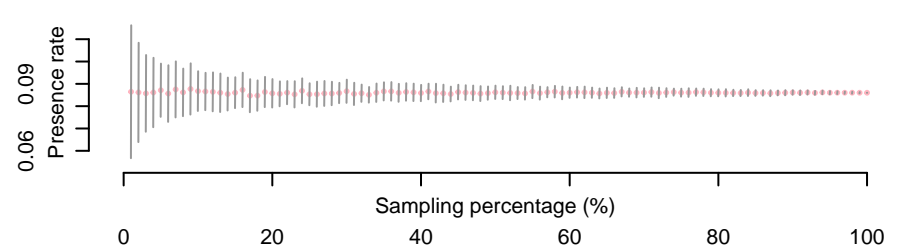
**Adlercreutzia\_equolifaciens**



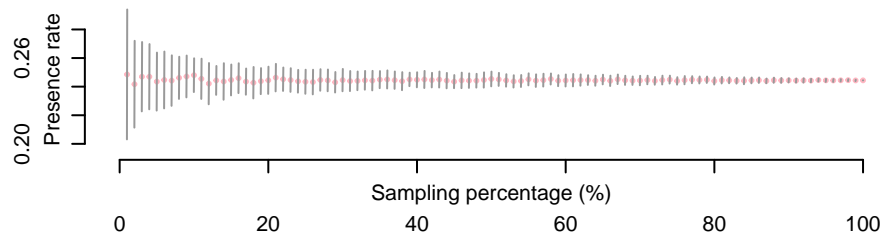
**Collinsella\_aerofaciens**



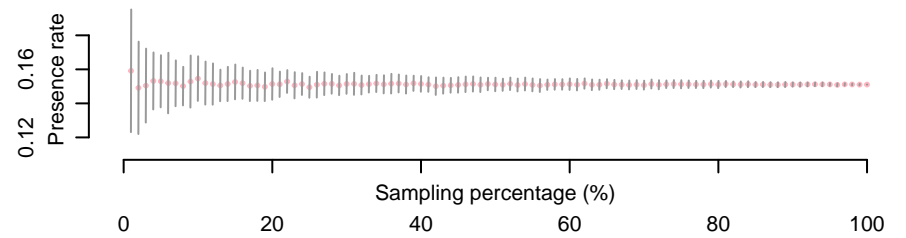
**Eggerthella\_lenta**



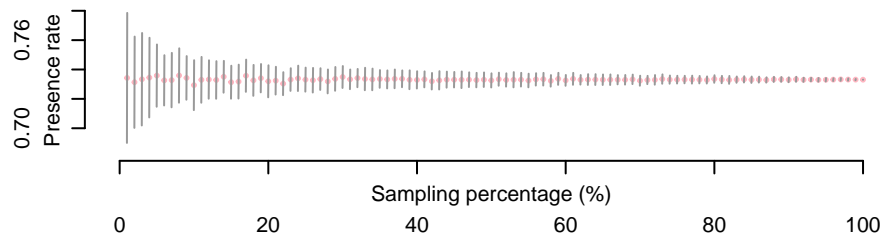
**Eggerthella\_unclassified**



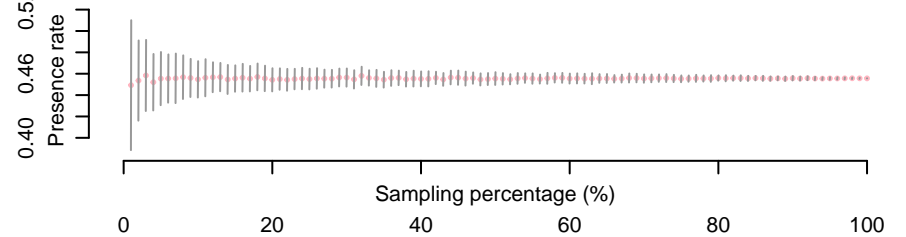
**Gordonibacter\_pamelaee**



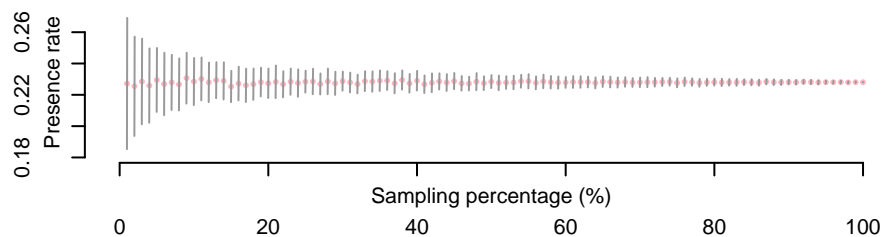
**Bacteroides\_caccae**



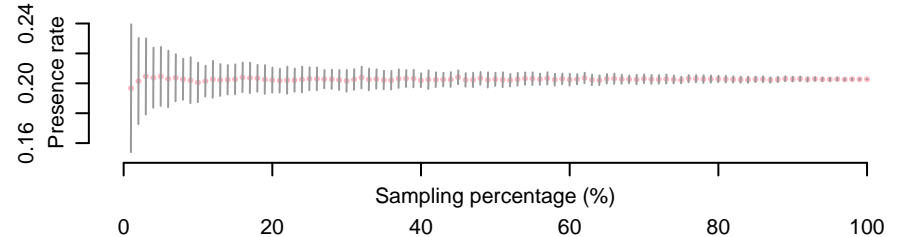
**Bacteroides\_cellulosilyticus**



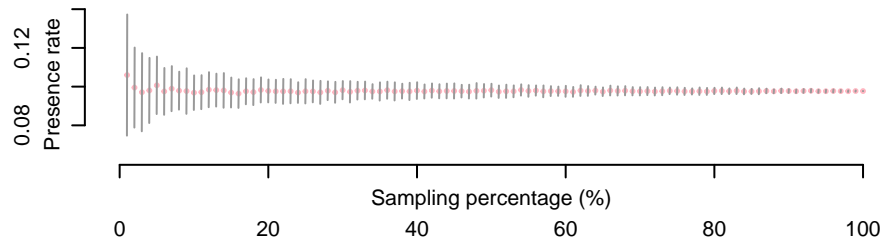
**Bacteroides\_clarus**



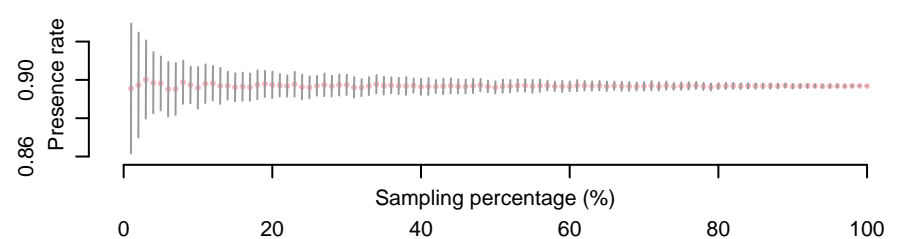
**Bacteroides\_coprocola**



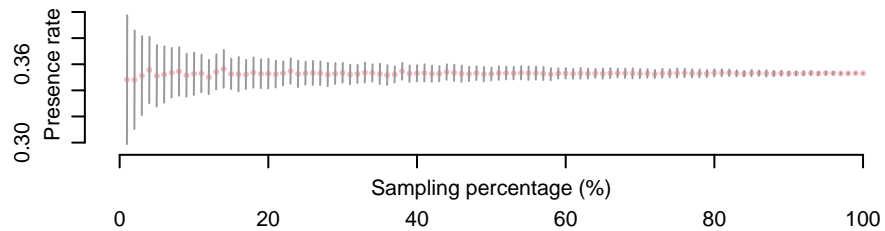
**Bacteroides\_coprophilus**



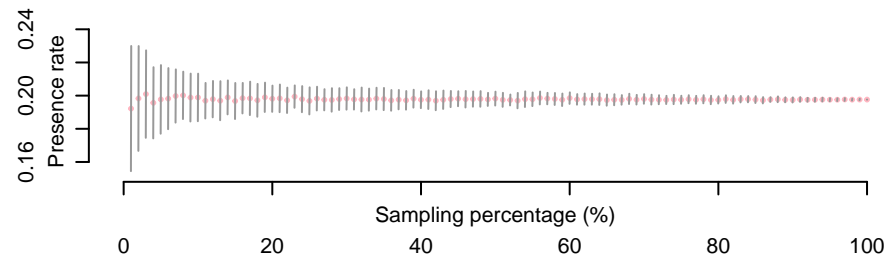
**Bacteroides\_dorei**



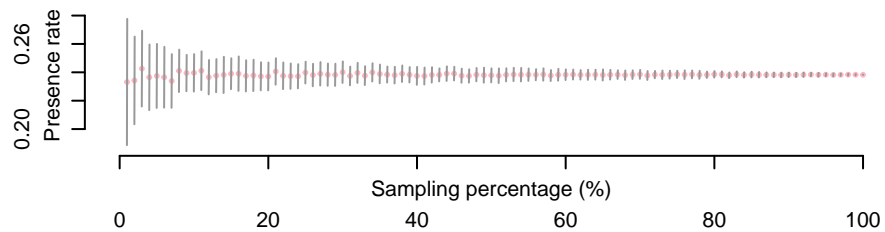
**Bacteroides\_eggerthii**



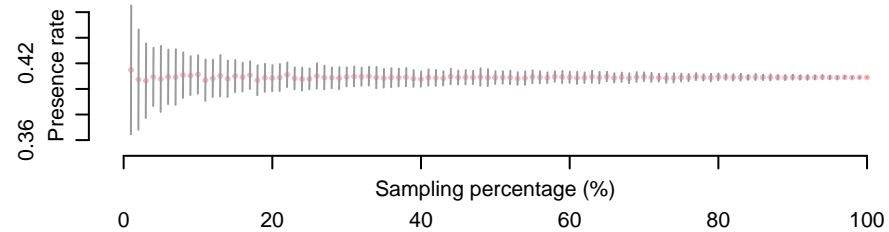
**Bacteroides\_faecis**



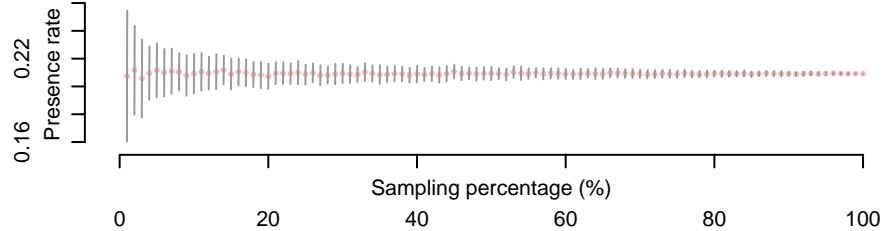
**Bacteroides\_finegoldii**



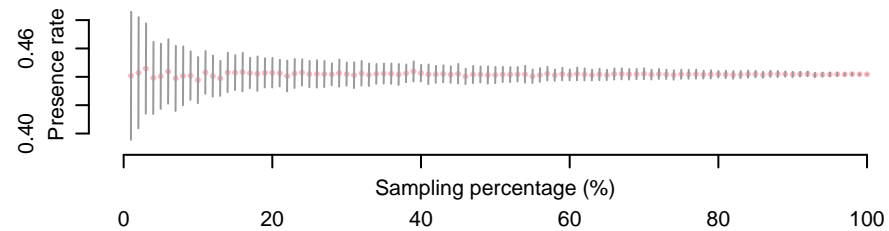
**Bacteroides\_fragilis**



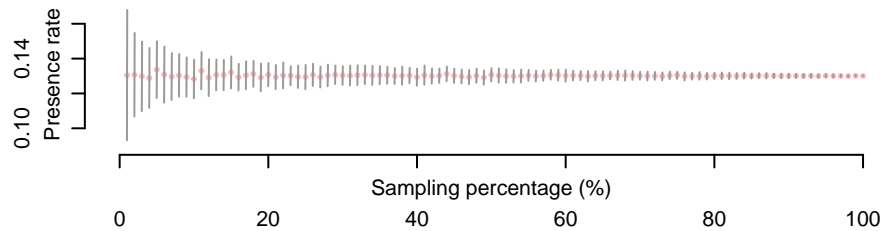
**Bacteroides\_intestinalis**



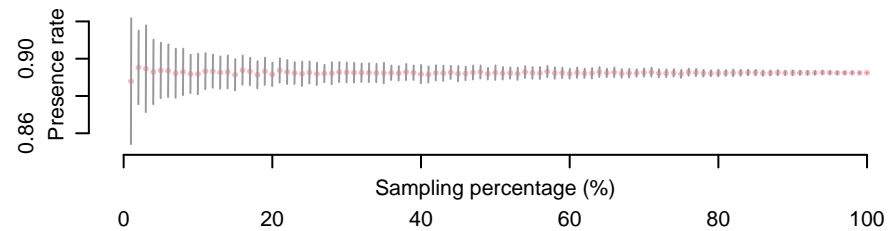
**Bacteroides\_massiliensis**



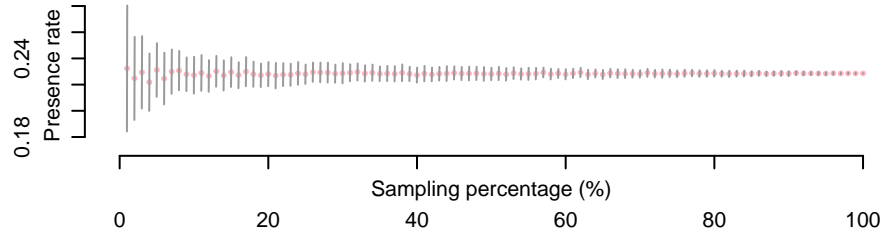
**Bacteroides\_nordii**



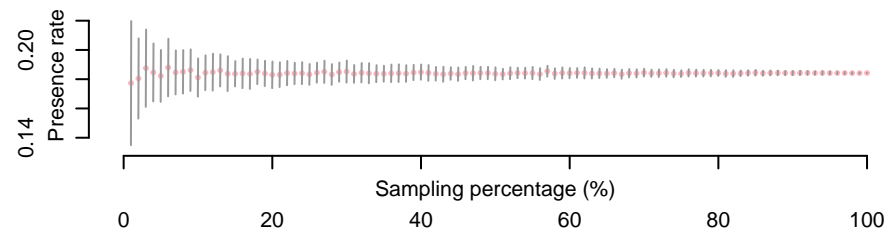
**Bacteroides\_ovatus**



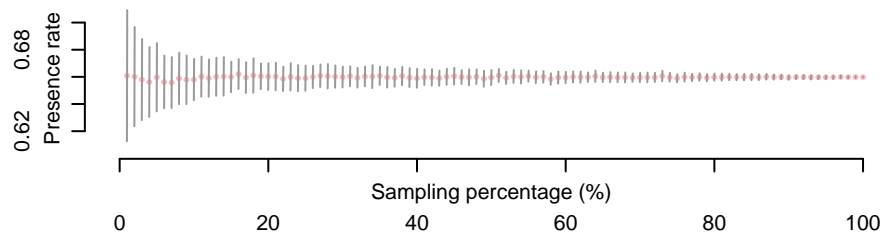
**Bacteroides\_plebeius**



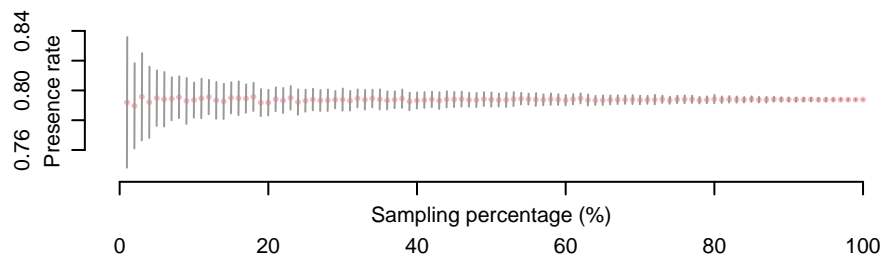
**Bacteroides\_salysiae**



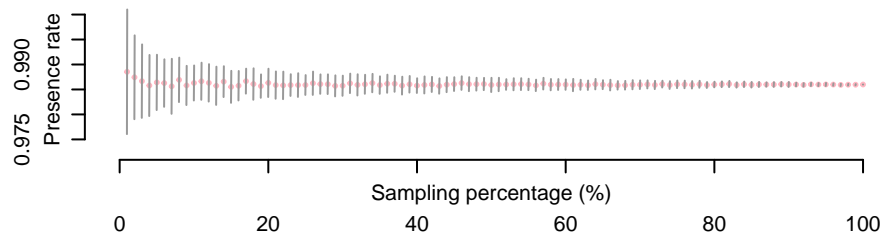
**Bacteroides\_stercoris**



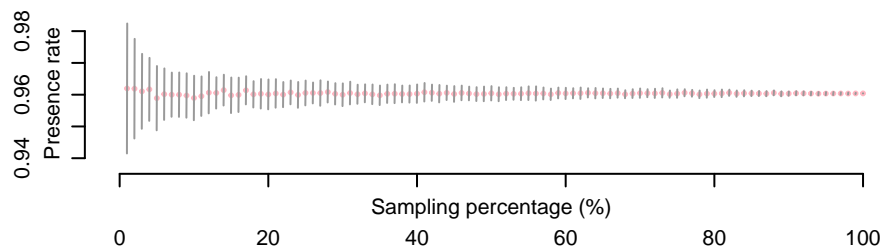
**Bacteroides\_thetaiotaomicron**



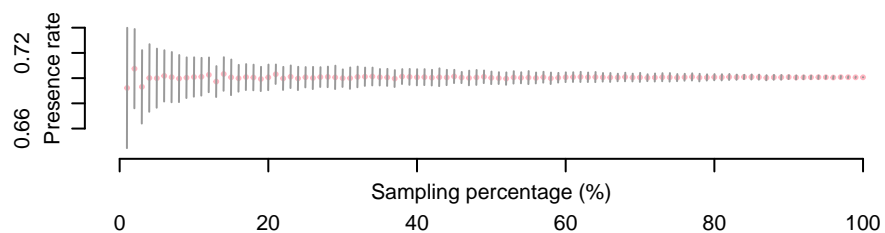
**Bacteroides\_uniformis**



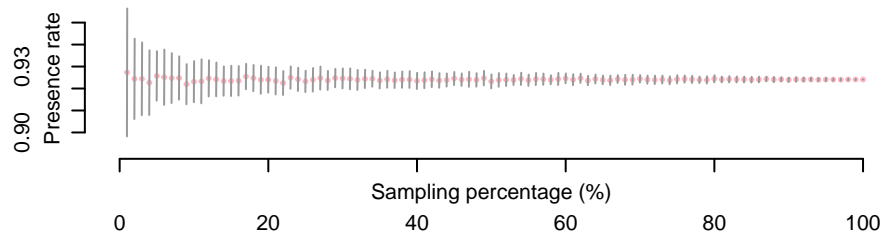
**Bacteroides\_vulgatus**



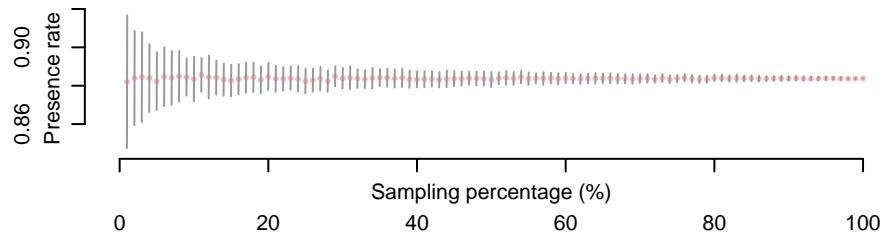
**Bacteroides\_xylanisolvens**



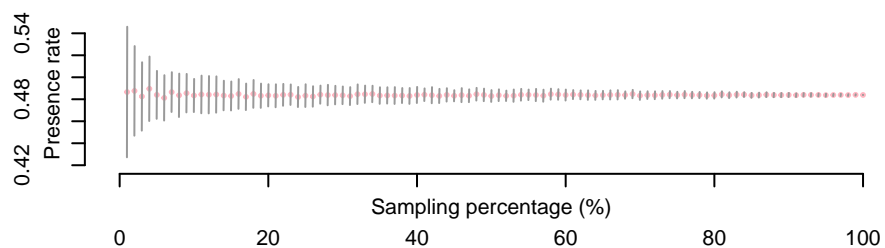
**Bacteroidales\_bacterium\_ph8**



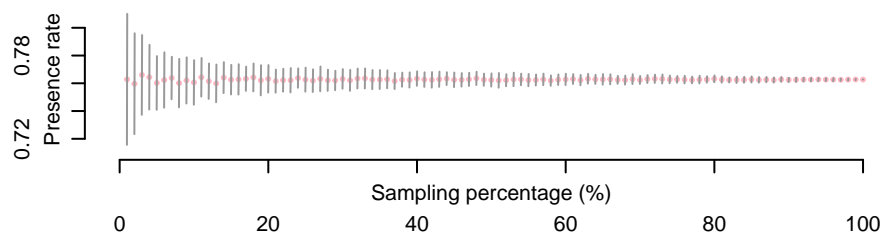
**Barnesiella\_intestinihominis**



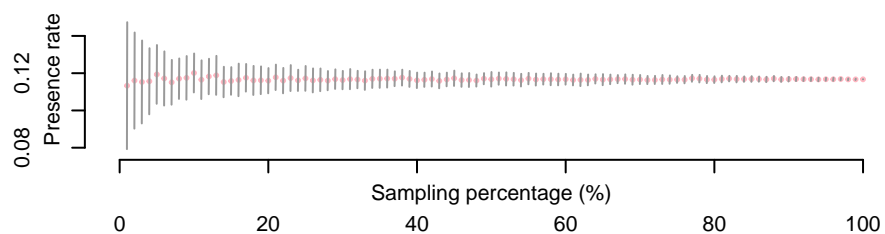
**Coprobacter\_fastidiosus**



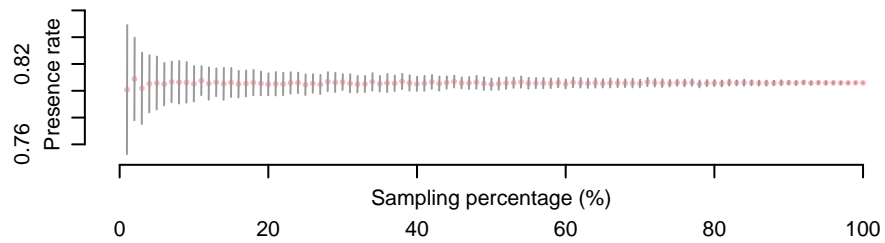
**Odoribacter\_splanchnicus**



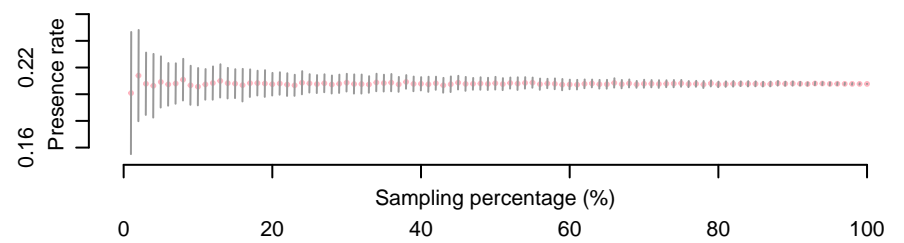
**Odoribacter\_unclassified**



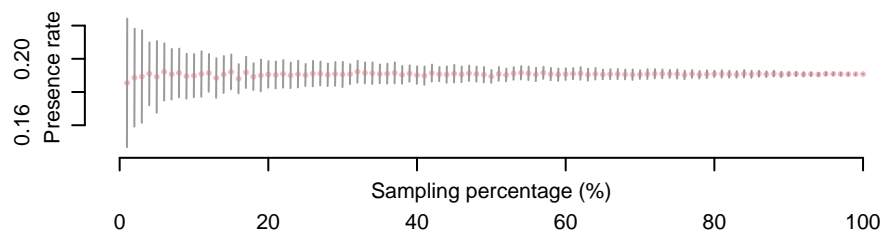
**Parabacteroides\_distasonis**



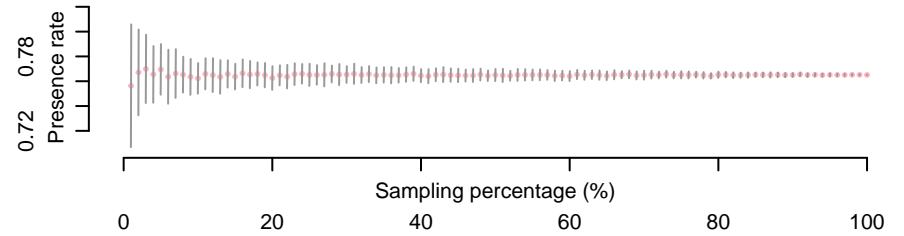
**Parabacteroides\_goldsteinii**



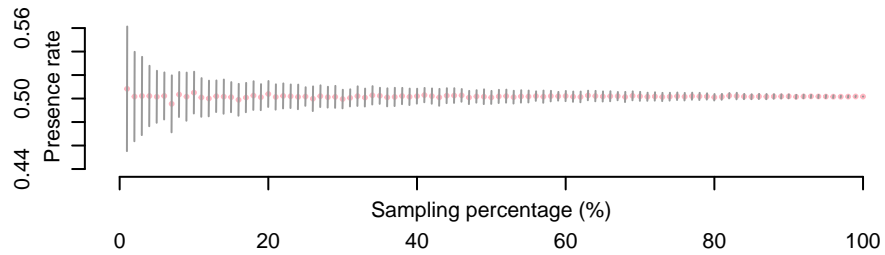
**Parabacteroides\_johnsonii**



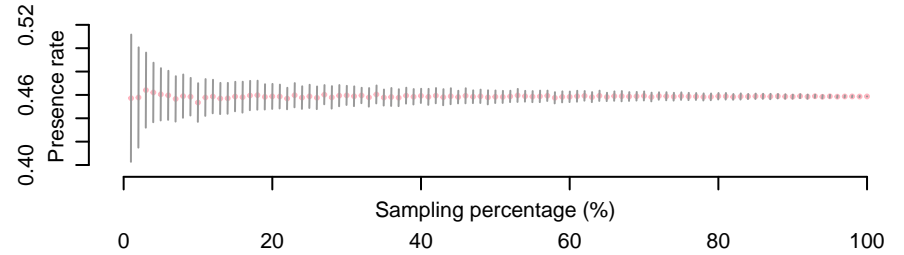
**Parabacteroides\_merdae**



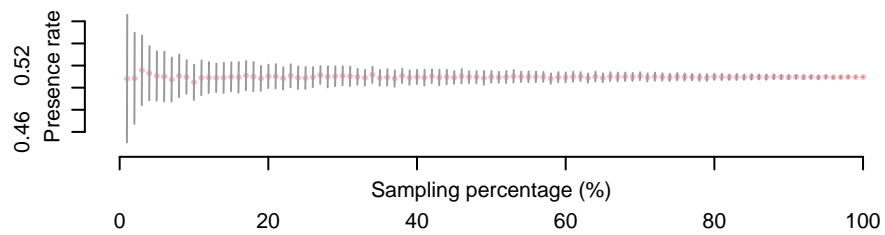
**Parabacteroides\_unclassified**



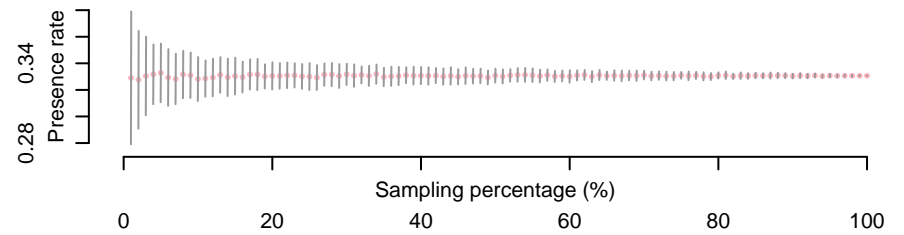
**Paraprevotella\_clara**



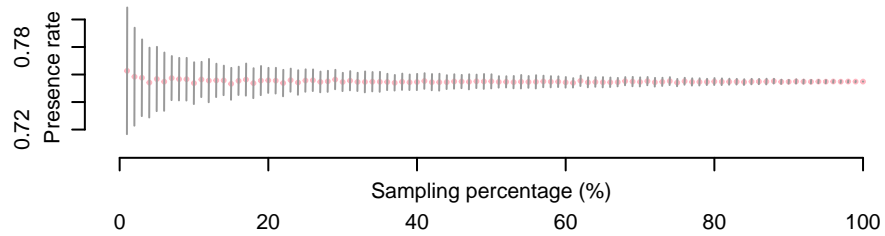
**Paraprevotella\_unclassified**



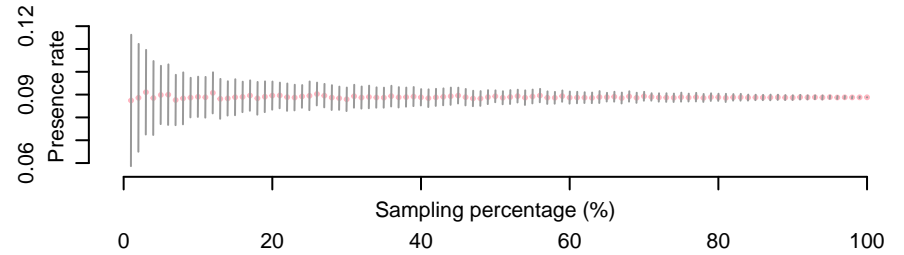
**Paraprevotella\_xylaniphila**



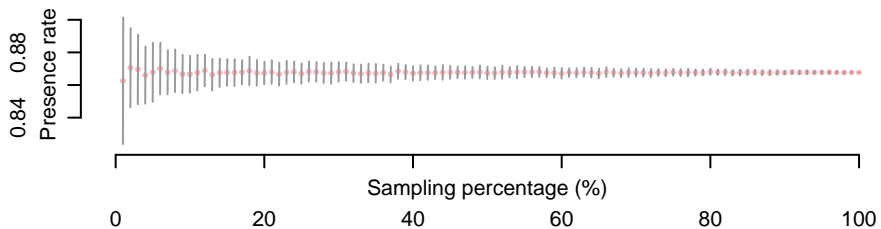
**Prevotella\_copri**



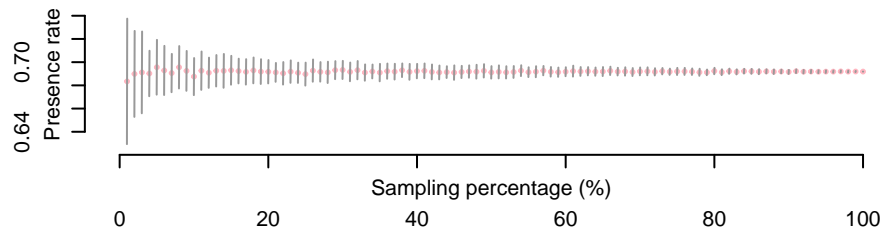
**Prevotella\_stercorea**



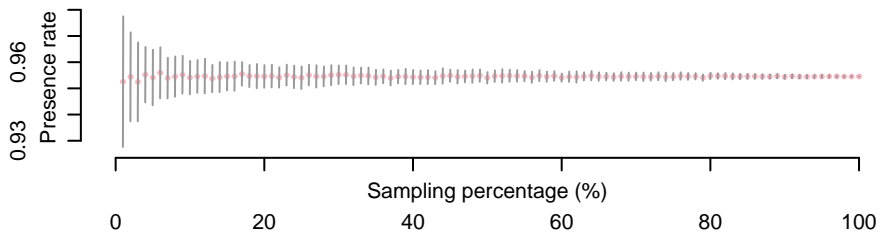
**Alistipes\_finegoldii**



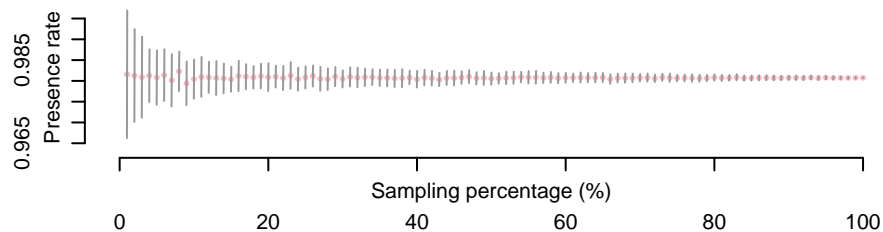
**Alistipes\_indistinctus**



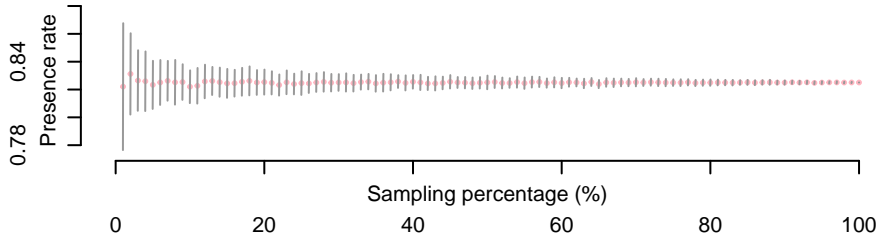
**Alistipes\_onderdonkii**



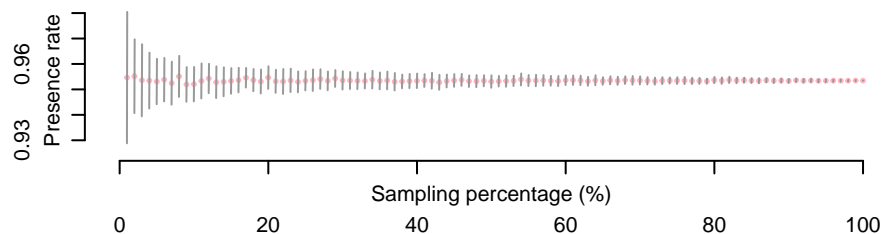
**Alistipes\_putredinis**



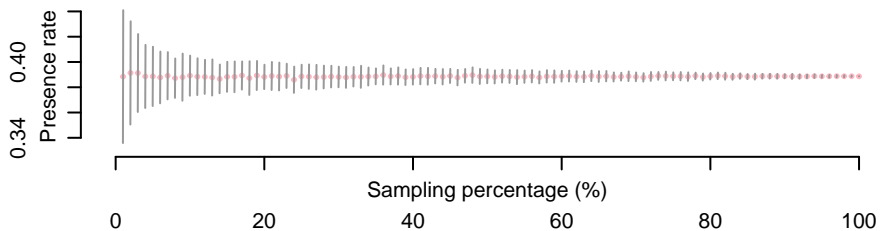
**Alistipes\_senegalensis**



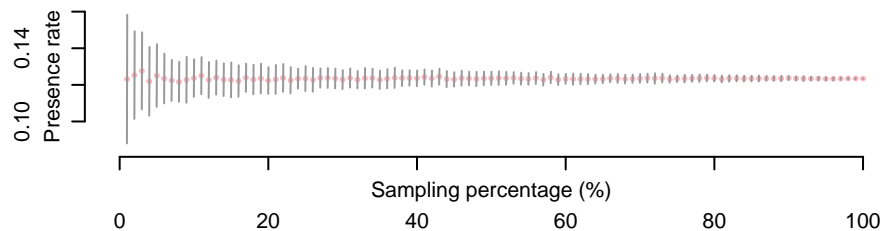
**Alistipes\_shahii**



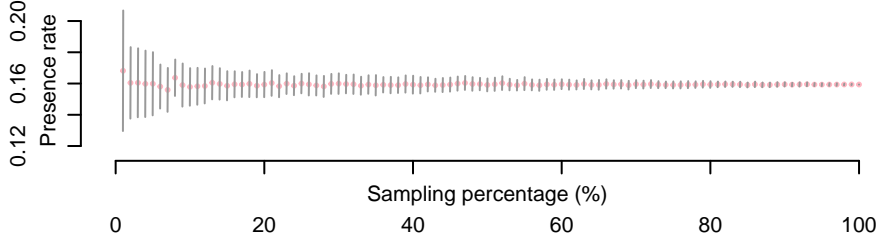
**Alistipes\_sp\_AP11**



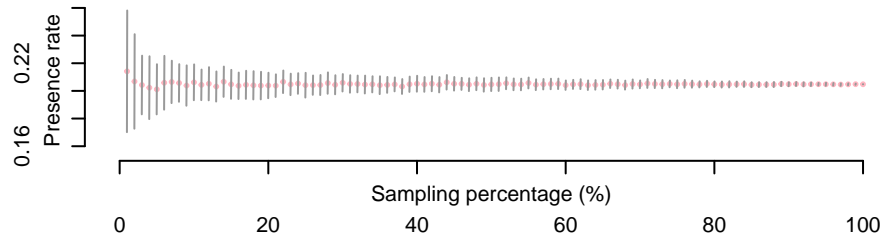
**Alistipes\_unclassified**



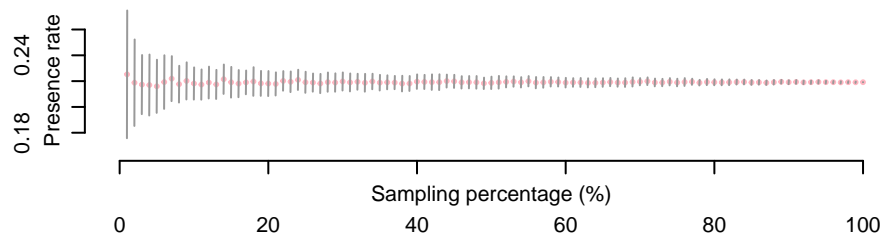
**Lactobacillus\_delbrueckii**



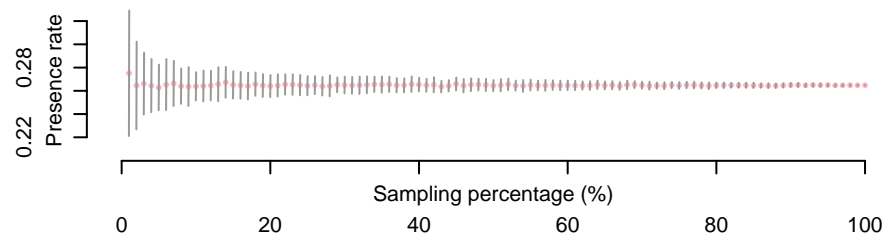
**Streptococcus\_parasanguinis**



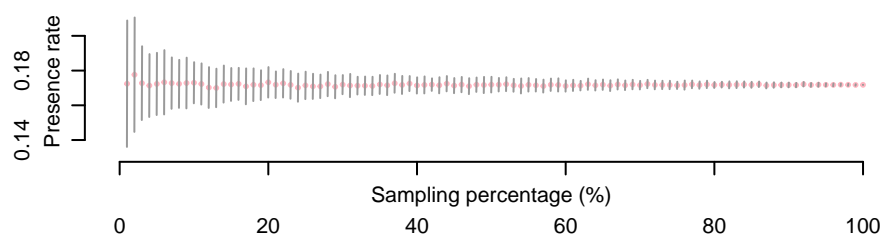
**Streptococcus\_salivarius**



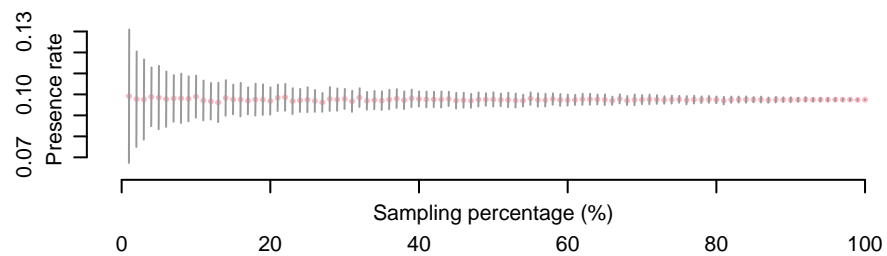
**Streptococcus\_thermophilus**



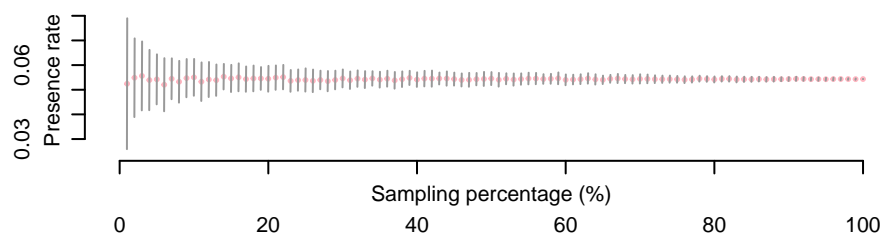
**Clostridium\_asparagiforme**



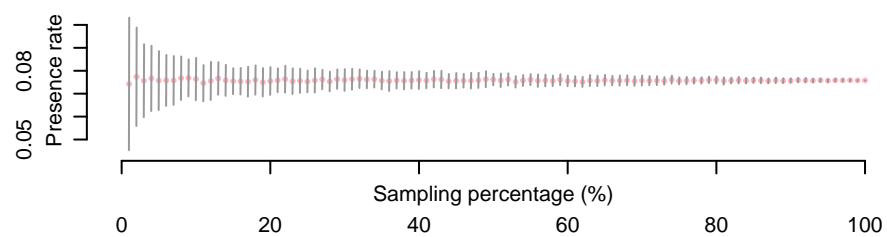
**Clostridium\_bolteeae**



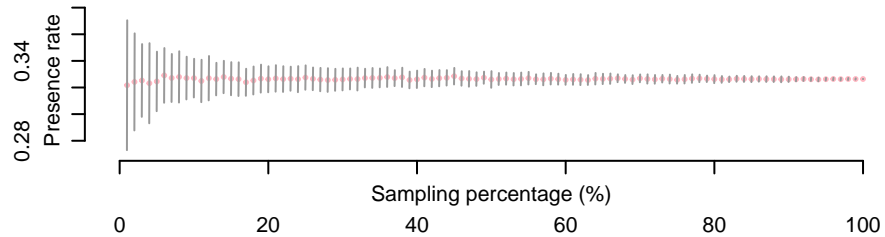
**Clostridium\_citroniae**



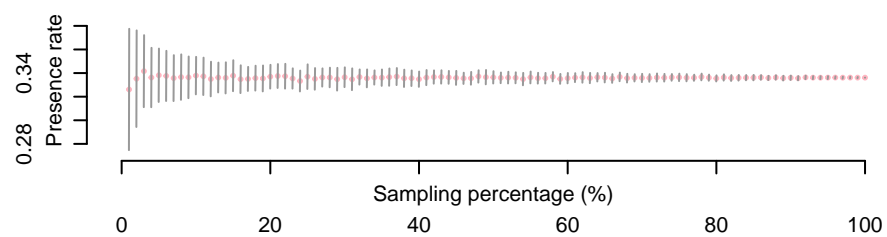
**Clostridium\_hathewayi**



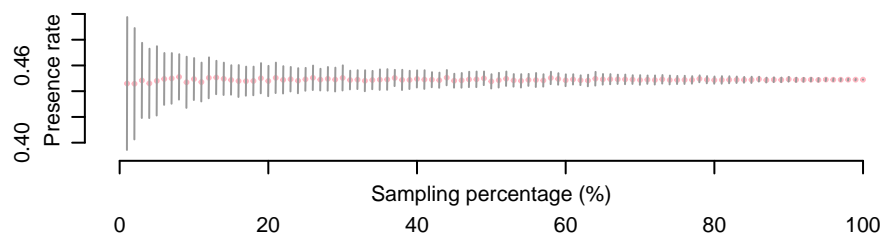
**Clostridium\_leptum**



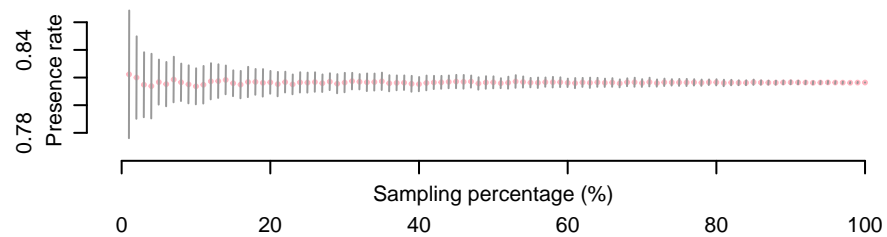
**Flavonifractor\_plautii**



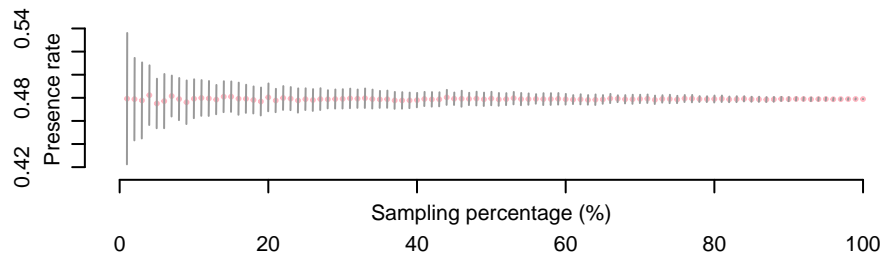
**Pseudoflavonifractor\_capillosus**



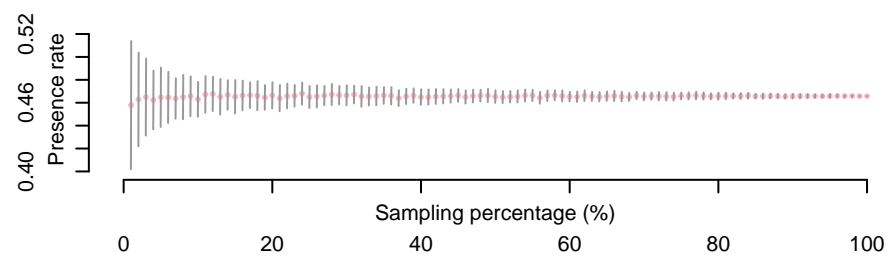
**Eubacterium\_eligens**



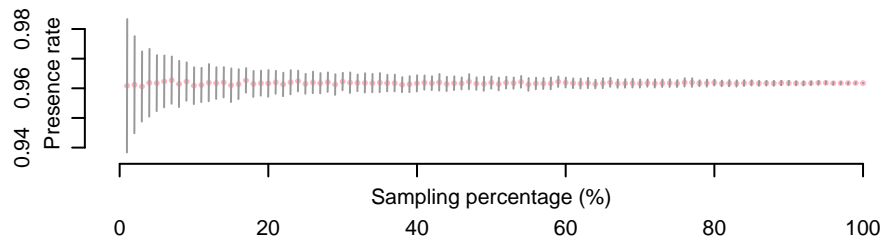
**Eubacterium\_hallii**



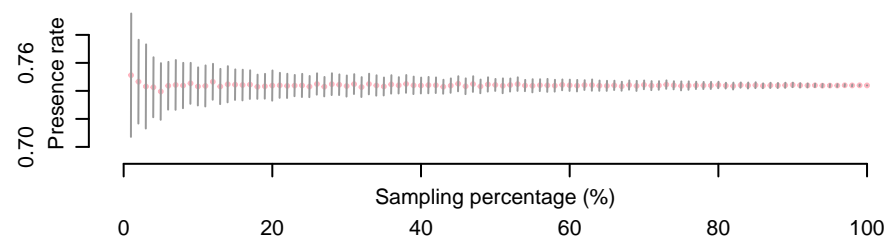
**Eubacterium\_ramulus**



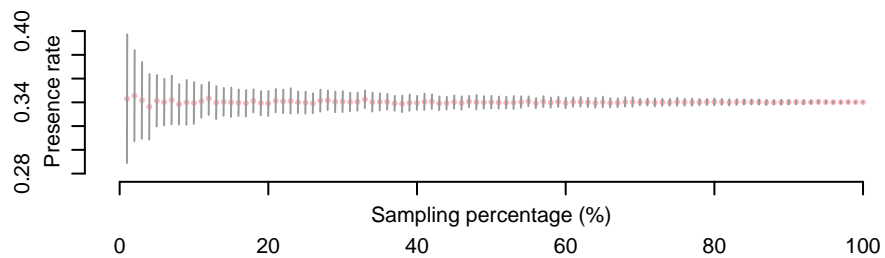
**Eubacterium\_rectale**



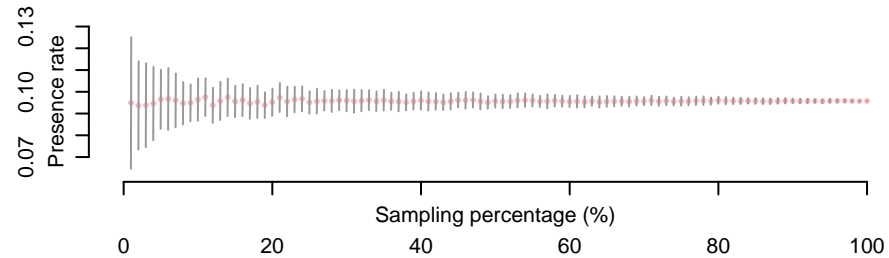
**Eubacterium\_siraeum**



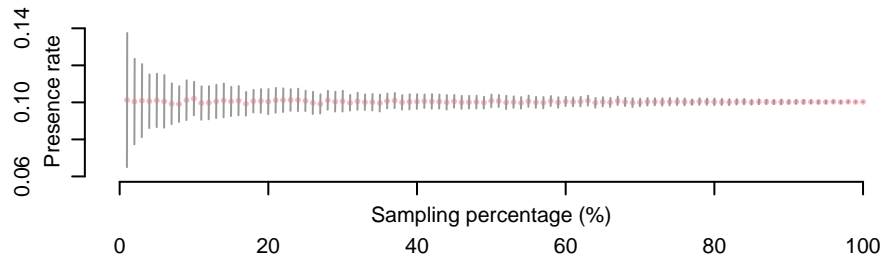
**Eubacterium\_ventriosum**



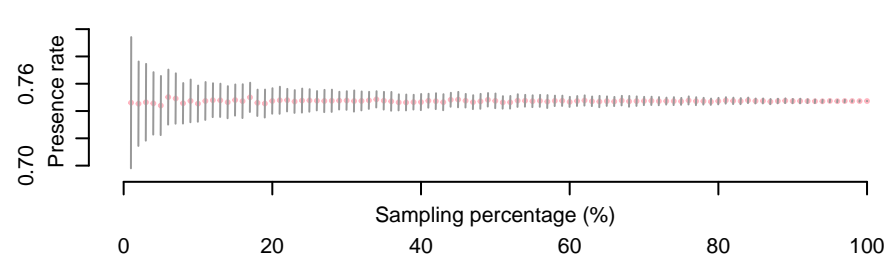
**Anaerostipes\_hadrus**



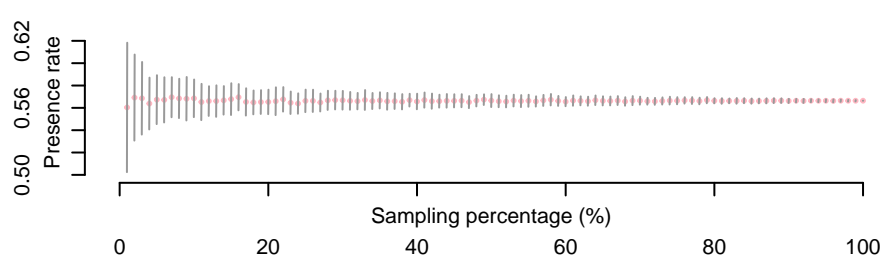
**Ruminococcus\_gnavus**



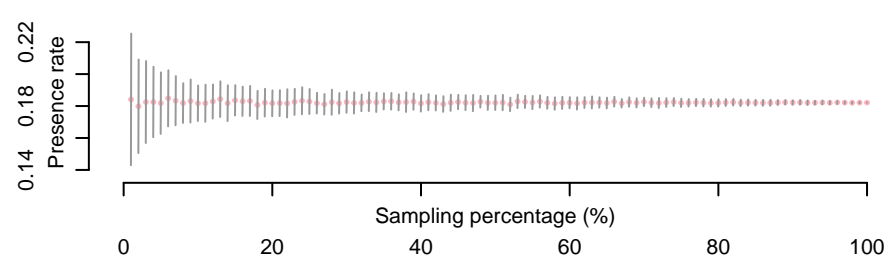
**Ruminococcus\_obeum**



**Ruminococcus\_torques**

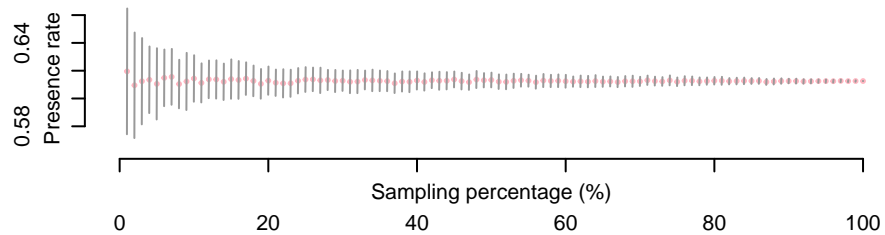


**Butyrivibrio\_crossotus**

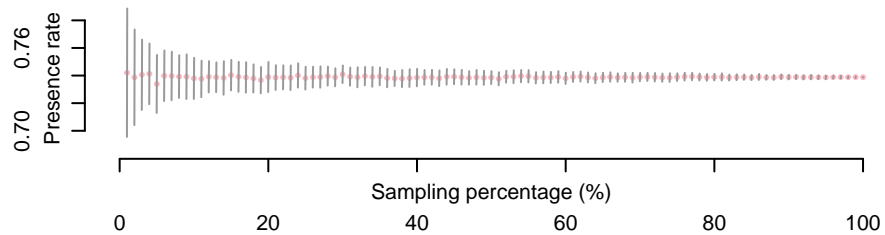




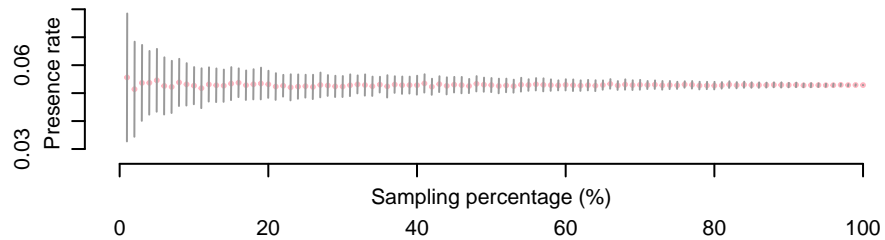
**Coproccoccus\_catus**



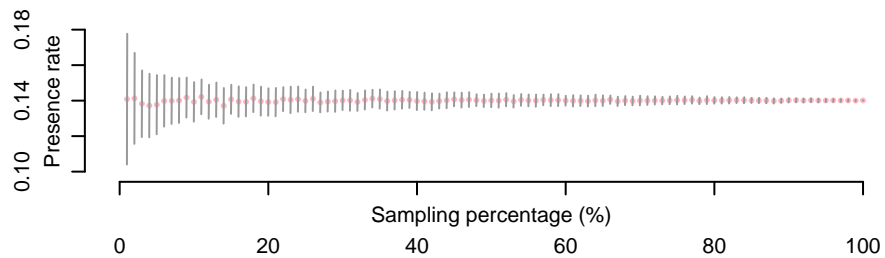
**Coproccoccus\_comes**



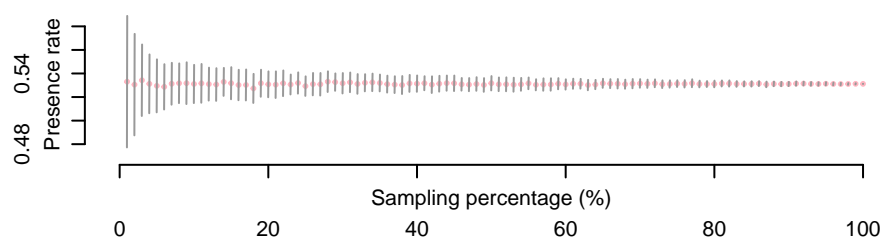
**Coproccoccus\_eutactus**



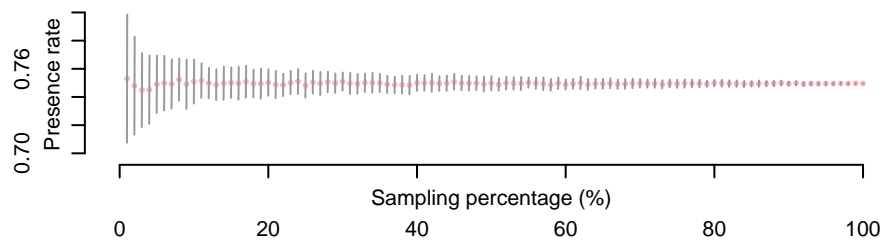
**Coproccoccus\_sp\_ART55\_1**



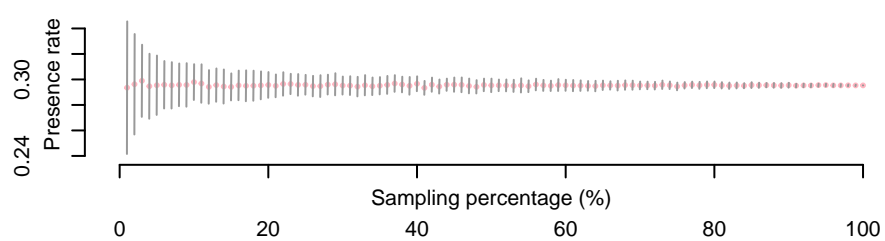
**Dorea\_formicigenerans**



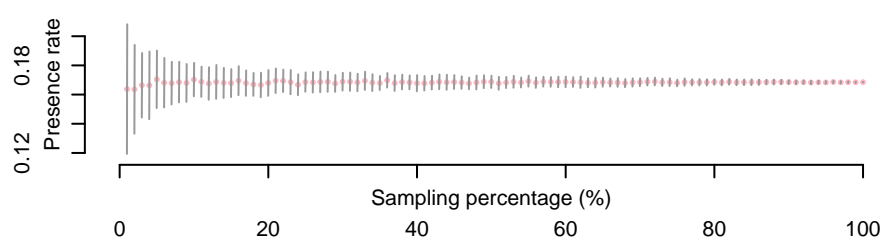
**Dorea\_longicatena**



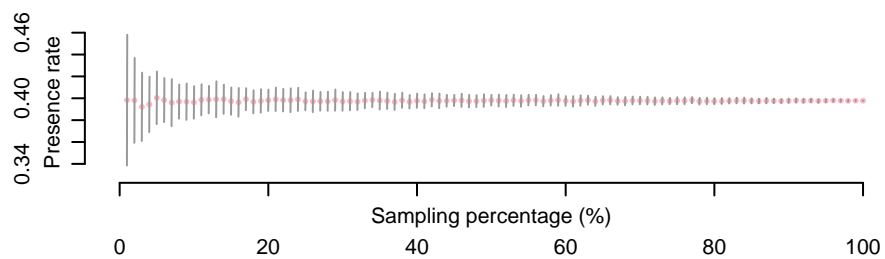
**Dorea\_unclassified**



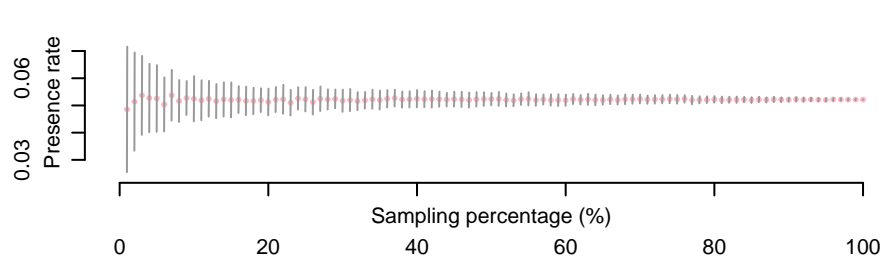
**Lachnospiraceae\_bacterium\_1\_1\_57FAA**



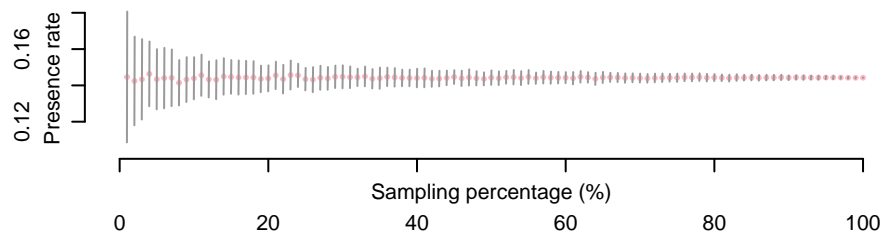
**Lachnospiraceae\_bacterium\_3\_1\_46FAA**



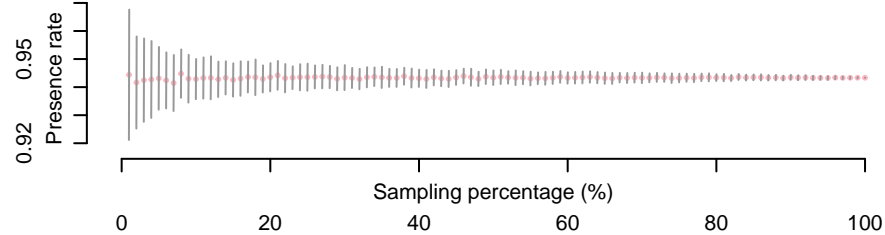
**Lachnospiraceae\_bacterium\_3\_1\_57FAA\_CT1**



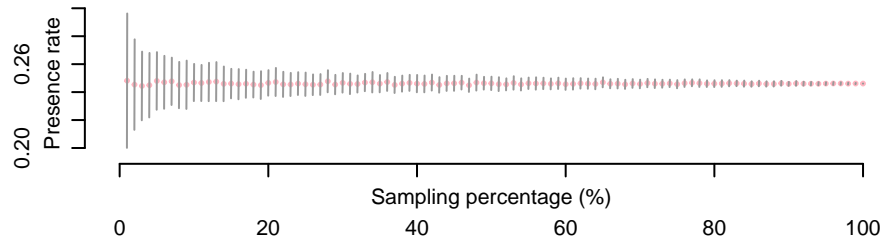
Lachnospiraceae\_bacterium\_5\_1\_63FAA



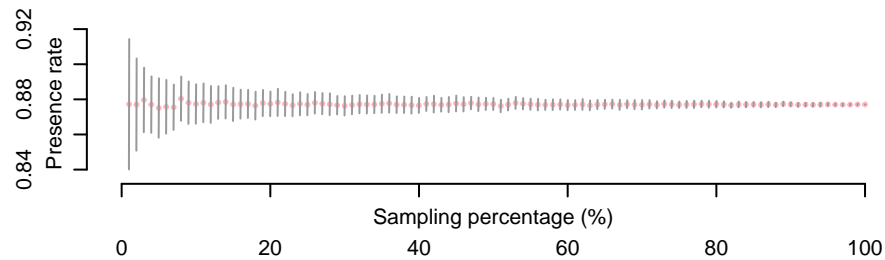
Lachnospiraceae\_bacterium\_7\_1\_58FAA



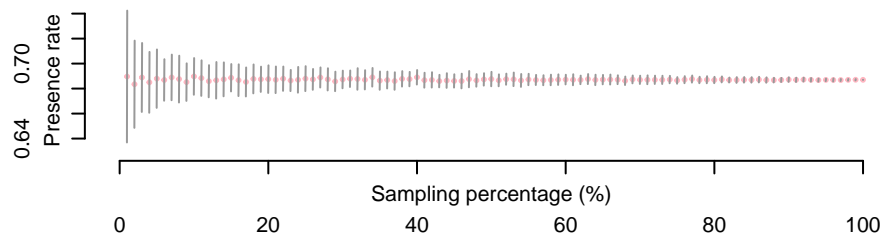
Lachnospiraceae\_bacterium\_8\_1\_57FAA



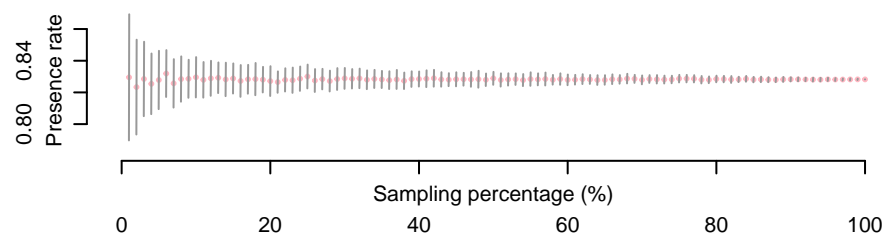
Roseburia\_hominis



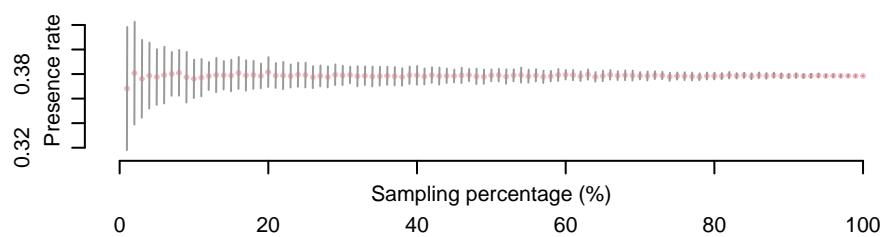
Roseburia\_intestinalis



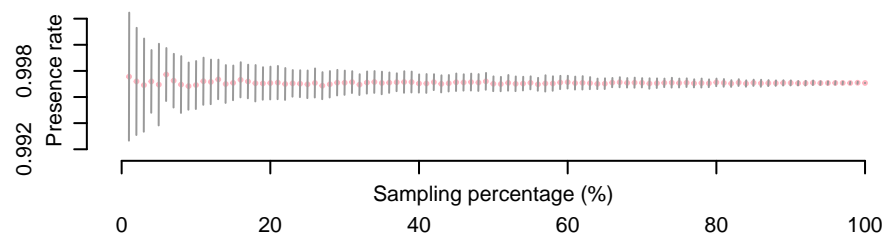
Roseburia\_inulinivorans



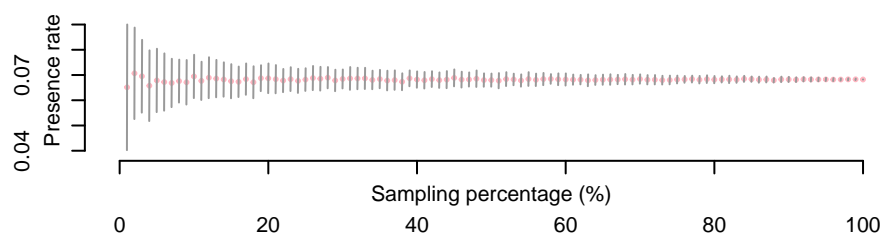
Roseburia\_unclassified



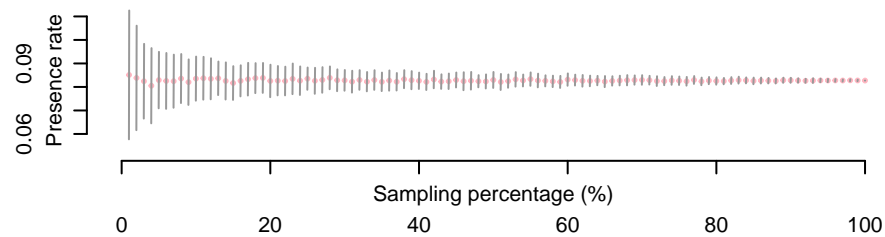
Oscillibacter\_unclassified



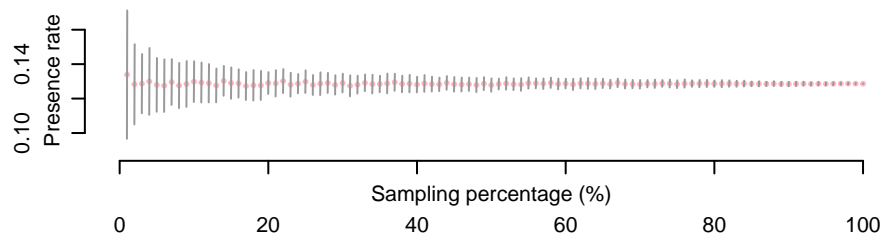
Clostridium\_bartlettii



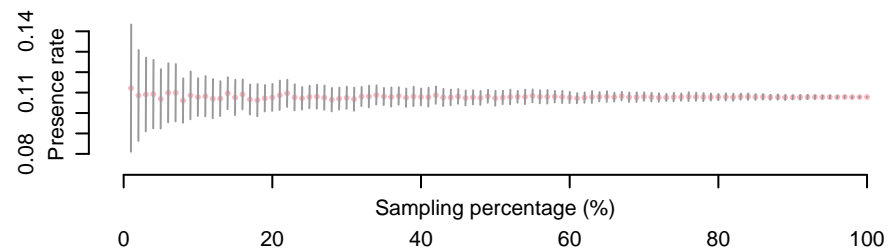
Peptostreptococcaceae\_noname\_unclassified



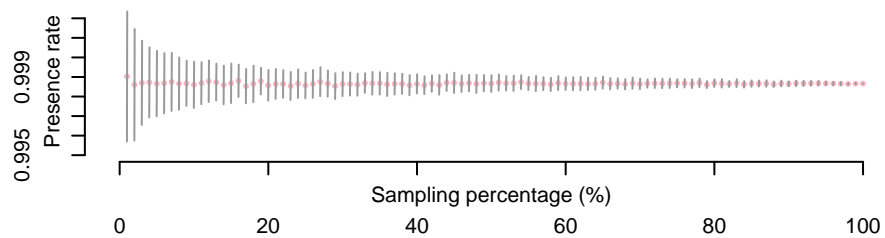
**Anaerotruncus\_colihominis**



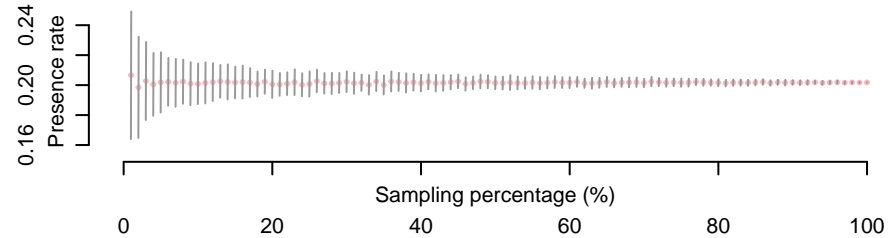
**Anaerotruncus\_unclassified**



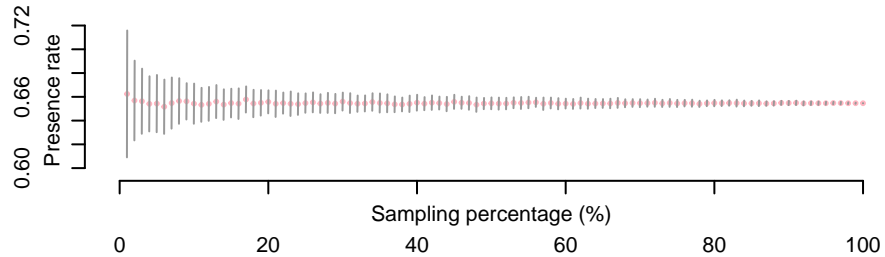
**Faecalibacterium\_prausnitzii**



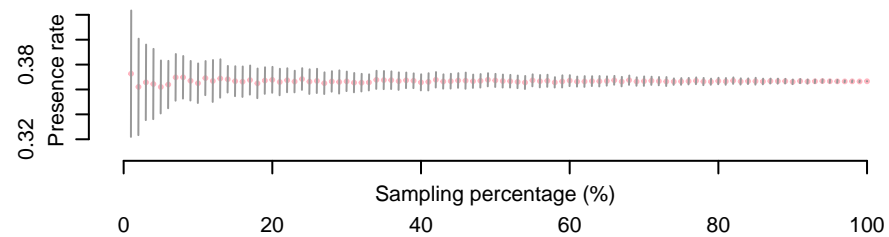
**Ruminococcaceae\_bacterium\_D16**



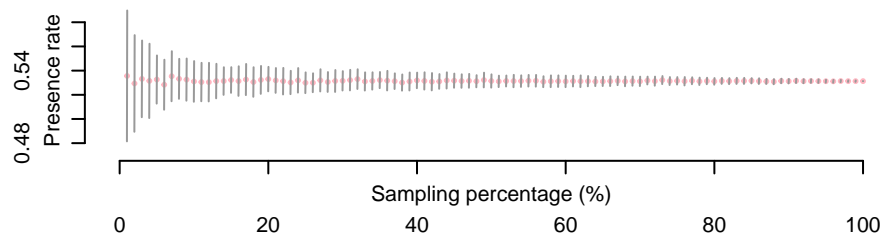
**Ruminococcus\_bromii**



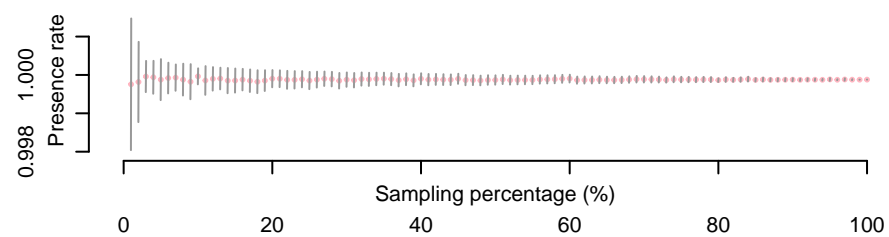
**Ruminococcus\_callidus**



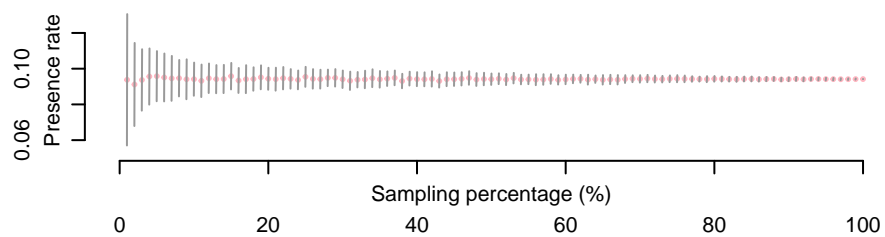
**Ruminococcus\_lactaris**



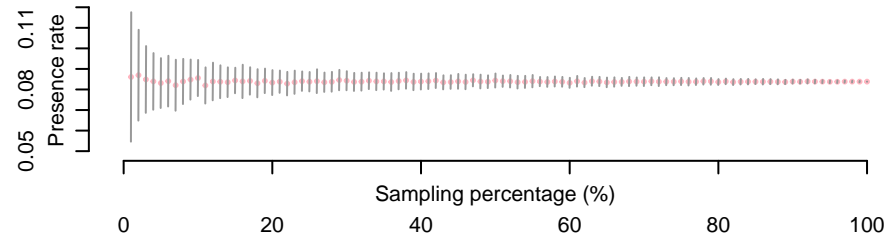
**Subdoligranulum\_unclassified**



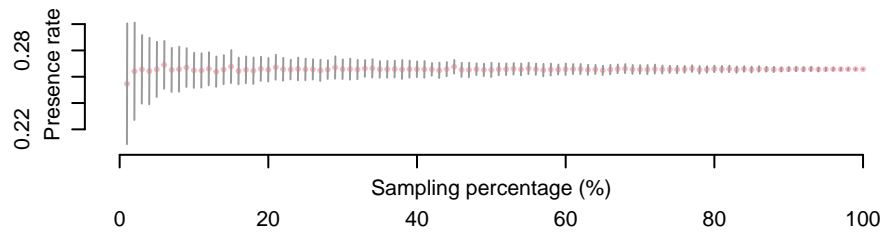
**Catenibacterium\_mitsuokai**



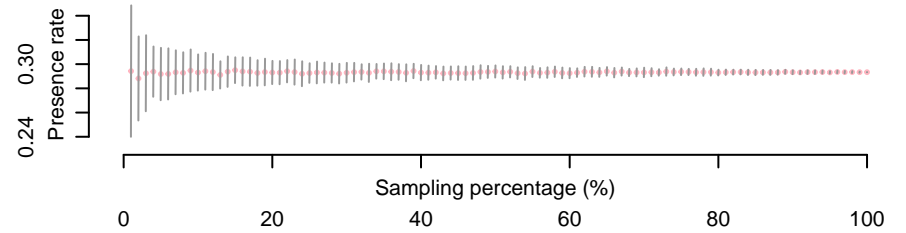
**Erysipelotrichaceae\_bacterium\_21\_3**



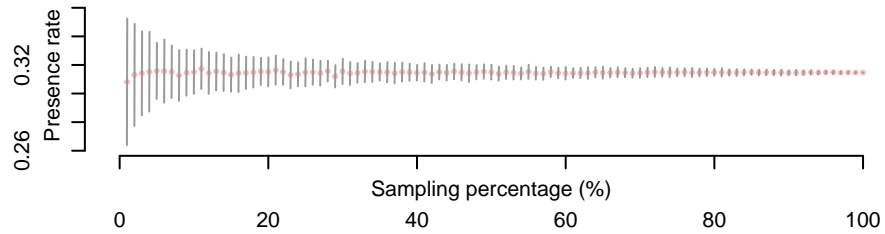
**Eubacterium\_biforme**



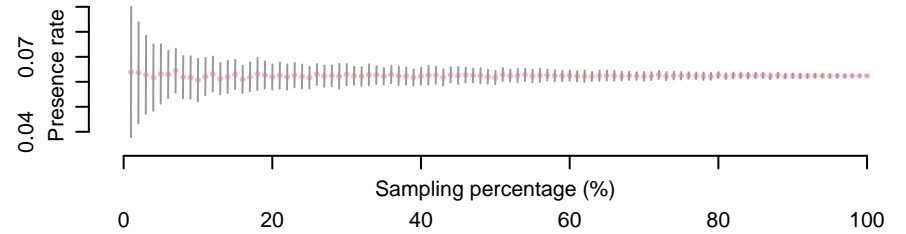
**Holdemania\_filiformis**



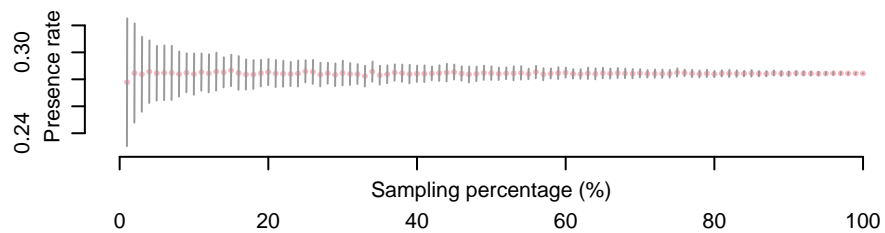
**Holdemania\_unclassified**



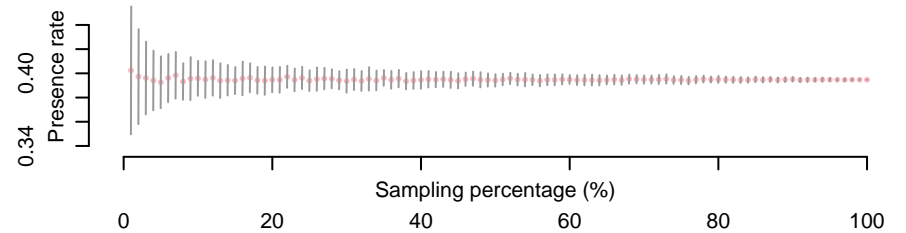
**Acidaminococcus\_unclassified**



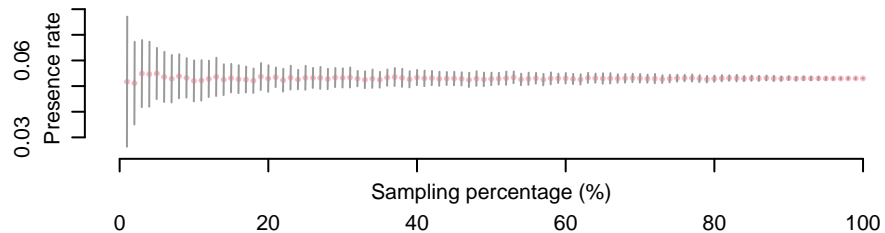
**Phascolarctobacterium\_succinatutens**



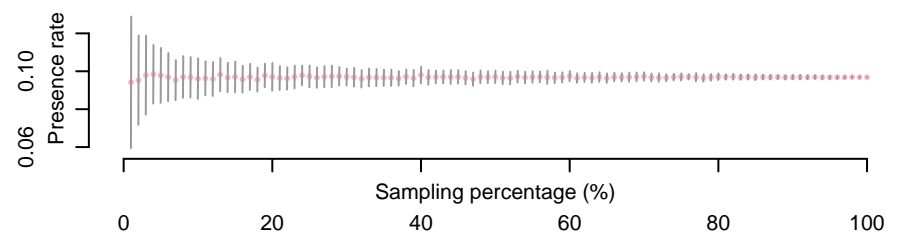
**Dialister\_invisus**



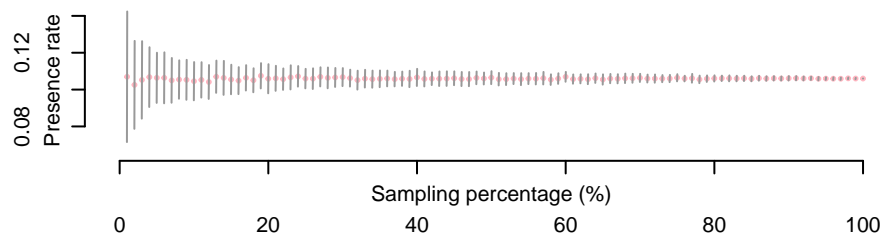
**Megasphaera\_unclassified**



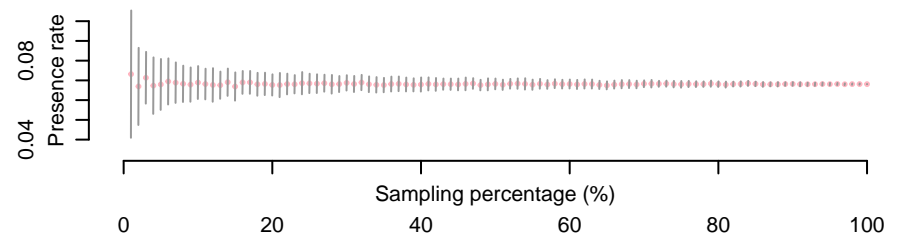
**Mitsuokella\_multacida**



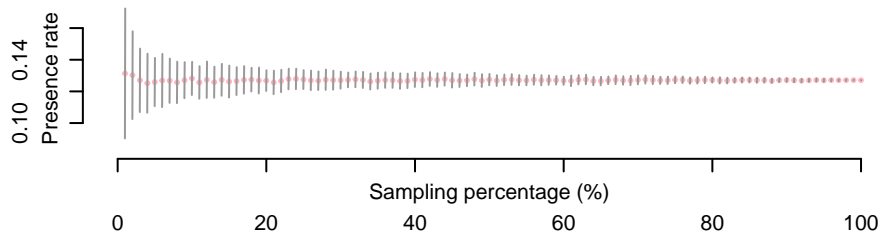
**Mitsuokella\_unclassified**



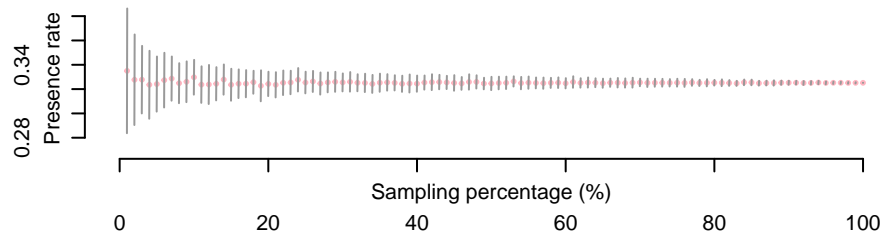
**Veillonella\_atypica**



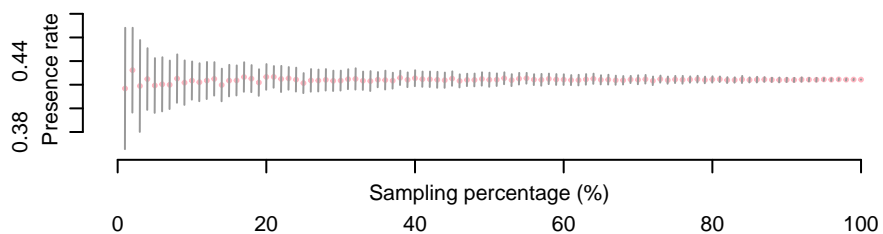
**Veillonella\_parvula**



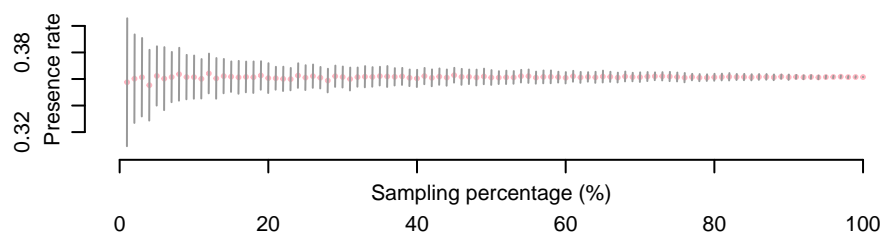
**Veillonella\_unclassified**



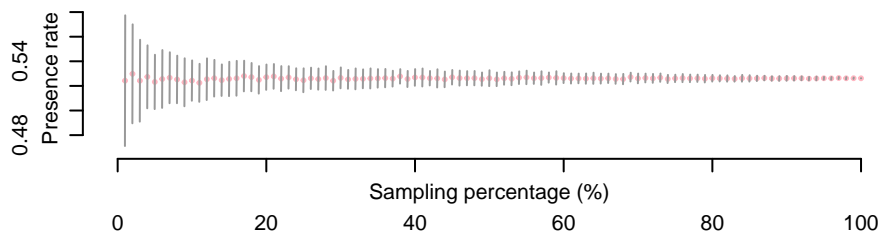
**Burkholderiales\_bacterium\_1\_1\_47**



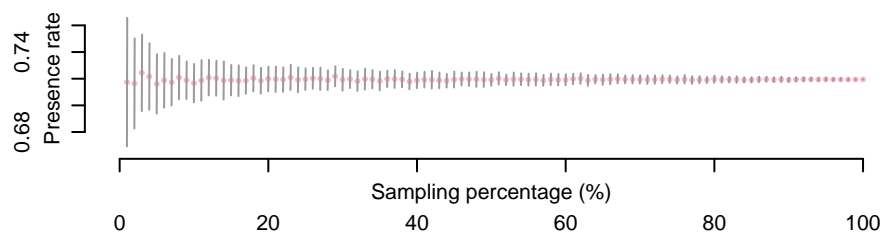
**Oxalobacter\_formigenes**



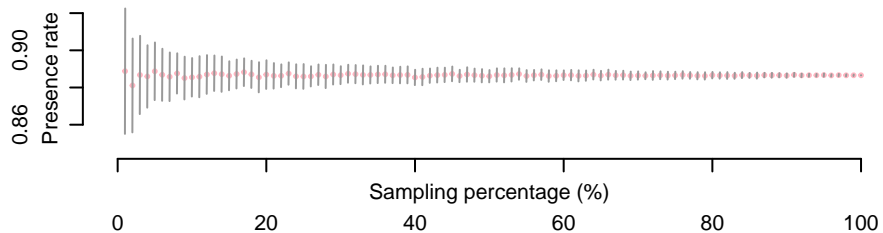
**Parasutterella\_excrementihominis**



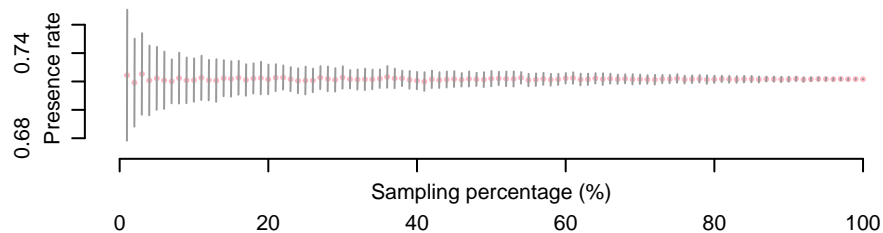
**Sutterella\_wadsworthensis**



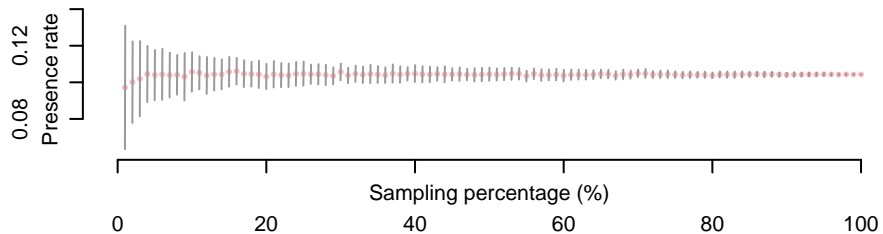
**Bilophila\_unclassified**



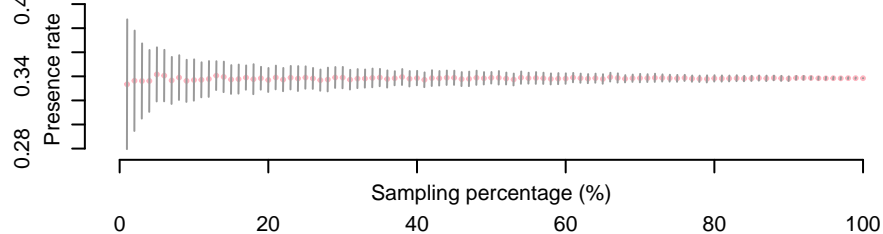
**Bilophila\_wadsworthia**



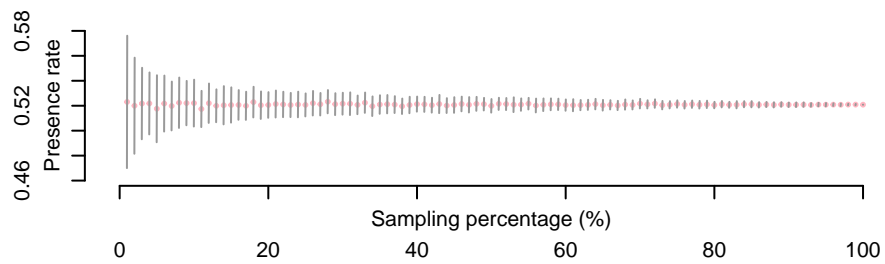
**Desulfovibrio\_desulfuricans**



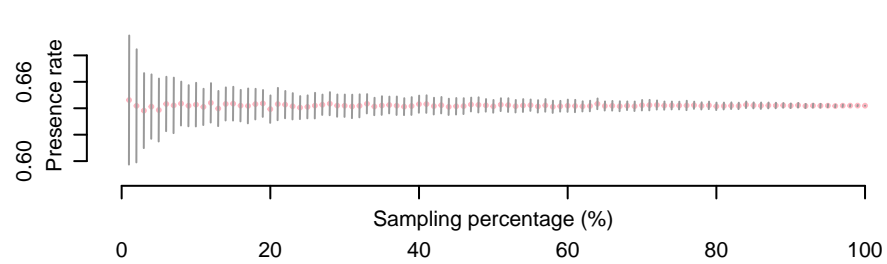
**Desulfovibrio\_piger**



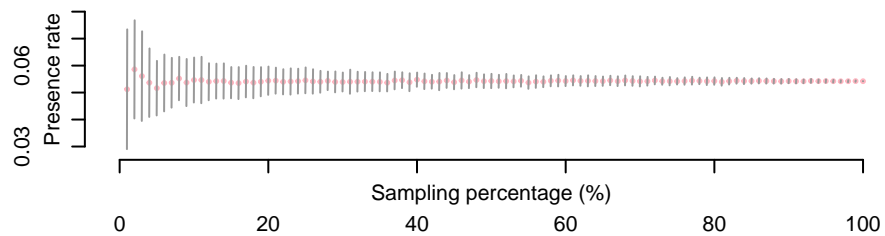
**Escherichia\_coli**



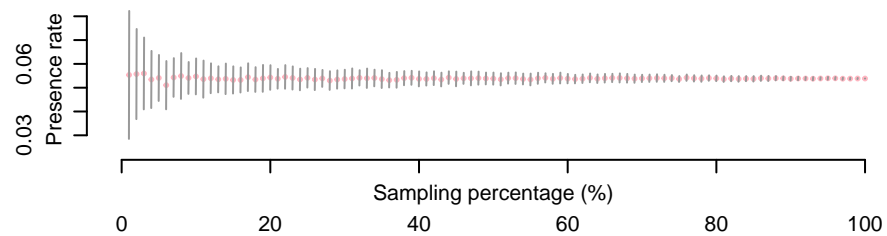
**Escherichia\_unclassified**



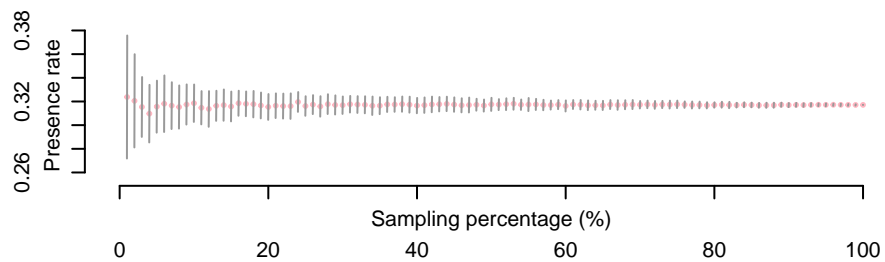
**Klebsiella\_pneumoniae**



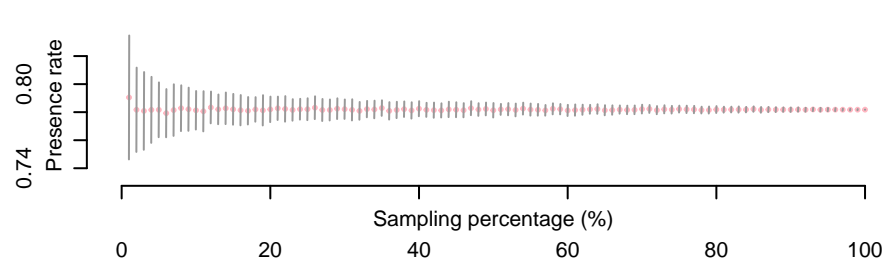
**Klebsiella\_unclassified**



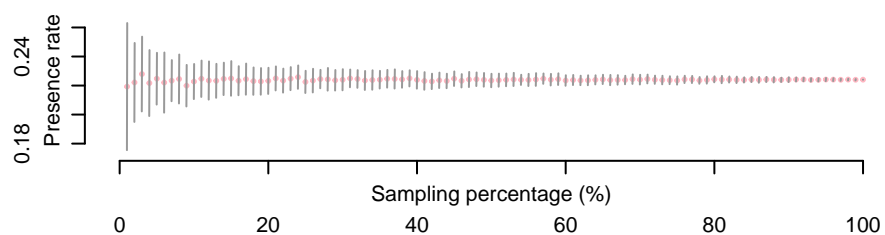
**Haemophilus\_parainfluenzae**



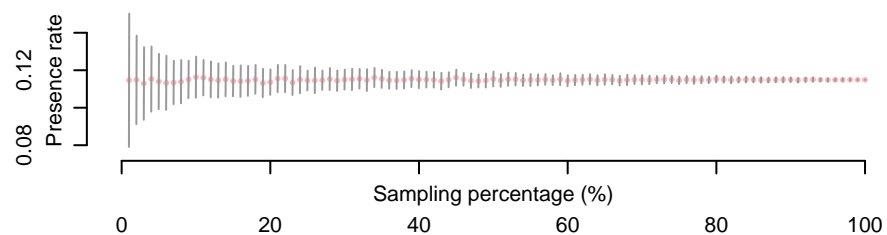
**Akkermansia\_muciniphila**



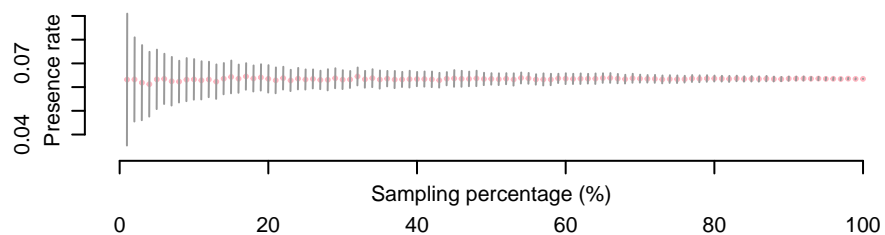
**C2likevirus\_unclassified**



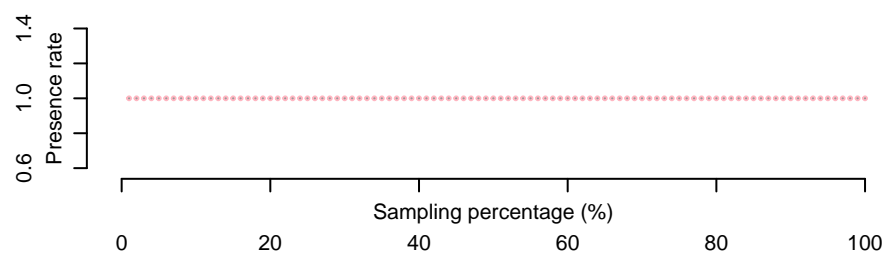
**Lactococcus\_phage\_P680**



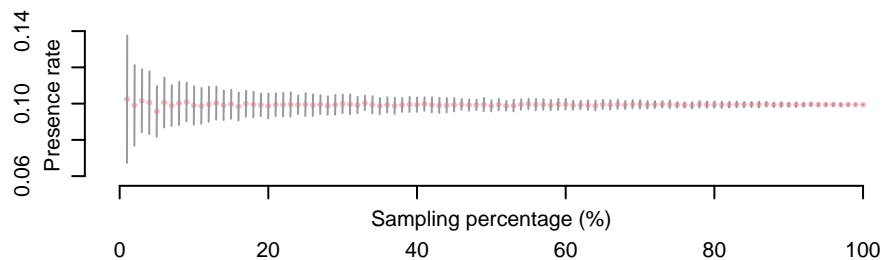
**Murine\_osteosarcoma\_virus**



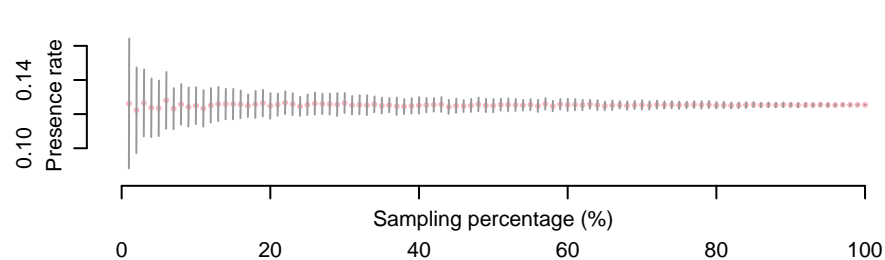
**X1CMET2.PWY..N10.formyl.tetrahydrofolate.biosynthesis**



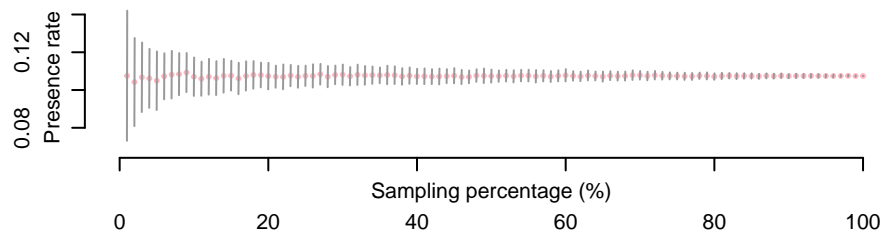
X3.HYDROXYPHENYLACETATE.DEGRADATION.PWY..4.hydroxyphenylacetate.degradation



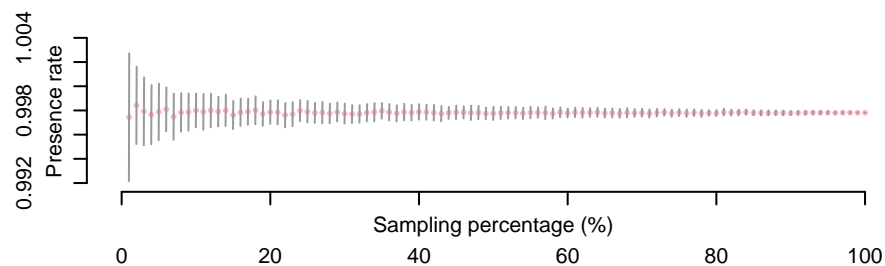
AEROBACTINSYN.PWY..aerobactin.biosynthesis



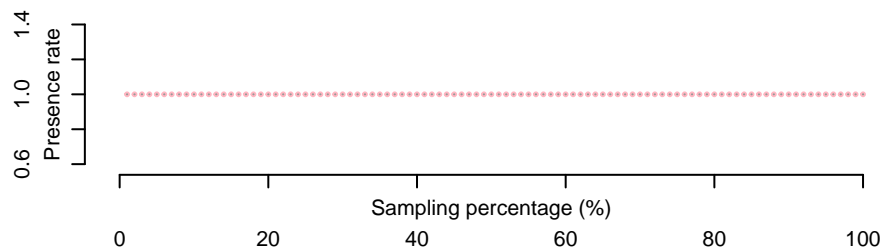
ALL.CHORISMATE.PWY..superpathway.of.chorismate.metabolism



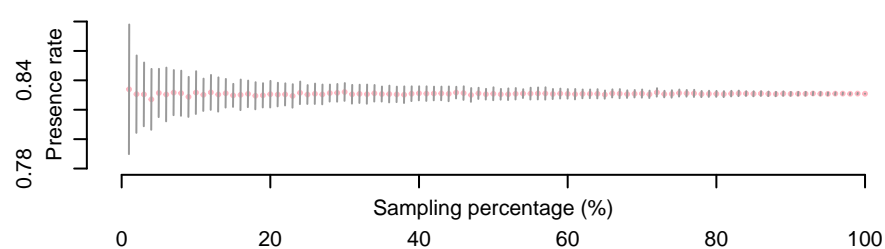
ANAEROFRUCAT.PWY..homolactic.fermentation



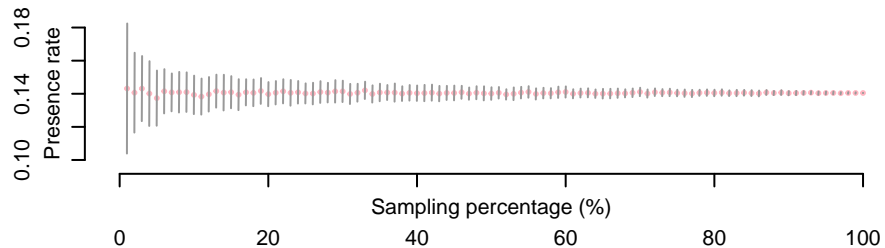
ANAGLYCOLYSIS.PWY..glycolysis.III..from.glucose.



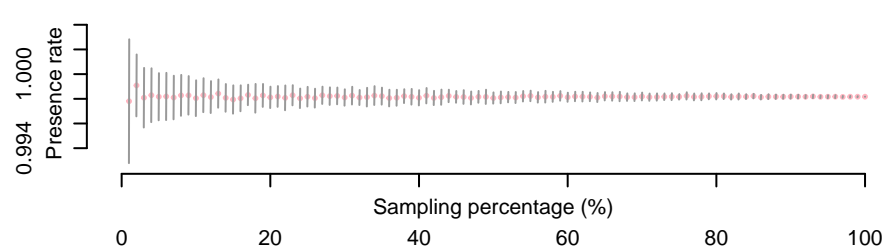
PWY\_ARG.POLYAMINE.SYN..superpathway.of.arginine.and.polyamine.biosynthesis



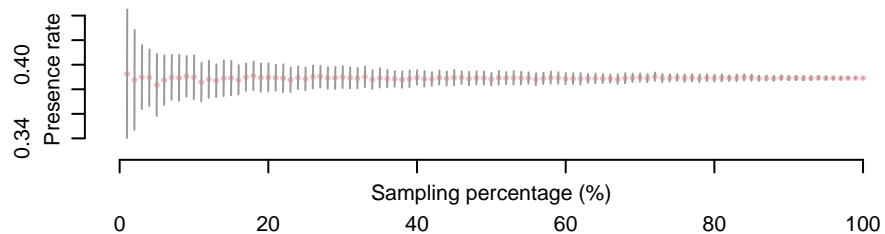
ARGDEG.PWY..superpathway.of.L.arginine..putrescine..and.4.aminobutanoate.degradation



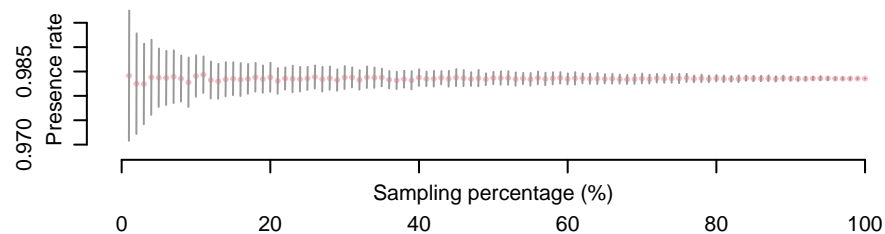
ARGININE.SYN4.PWY..L.ornithine.de.novo..biosynthesis



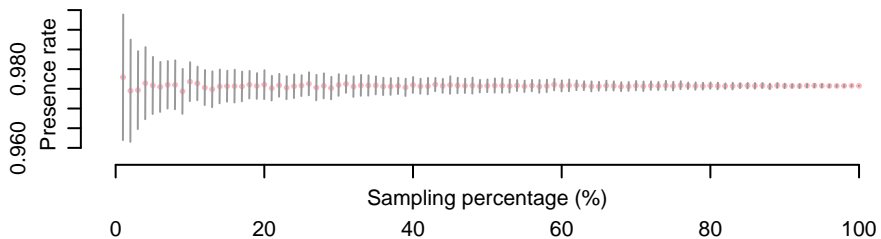
ARGORNPROST.PWY..arginine..ornithine.and.proline.interconversion



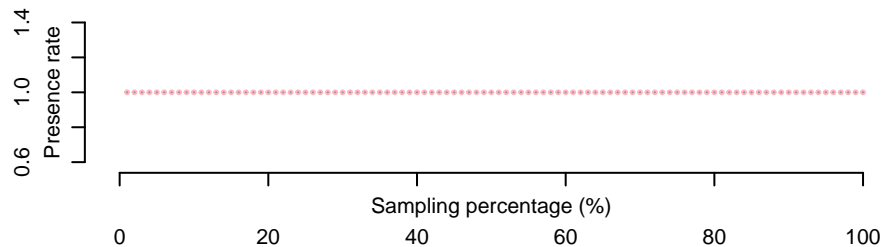
ARGSYN.PWY..L.arginine.biosynthesis.I..via.L.ornithine.



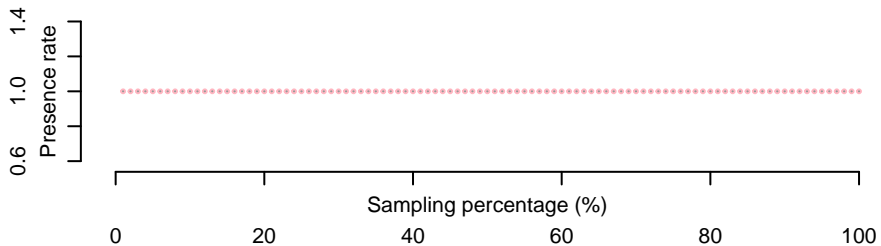
ARGSYNBSUB.PWY..L.arginine.biosynthesis.II..acetyl.cycle.



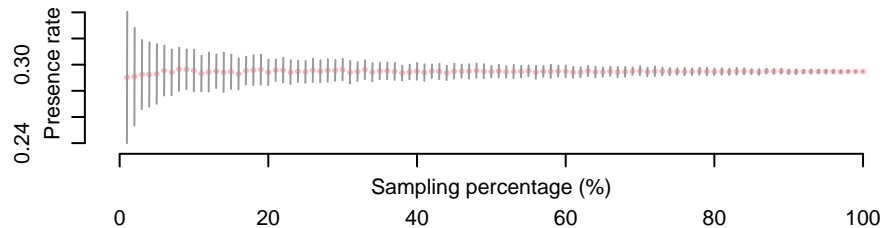
ARO.PWY..chorismate.biosynthesis.I



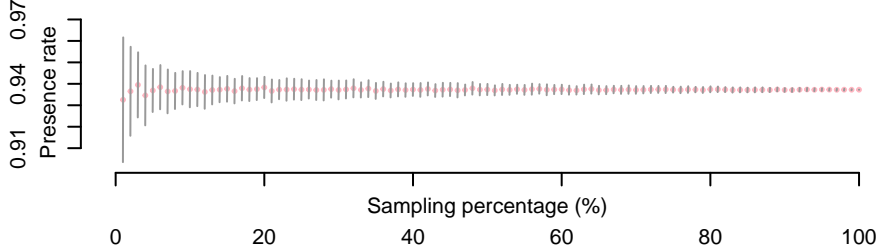
ASPASN.PWY..superpathway.of.L.aspartate.and.L.asparagine.biosynthesis



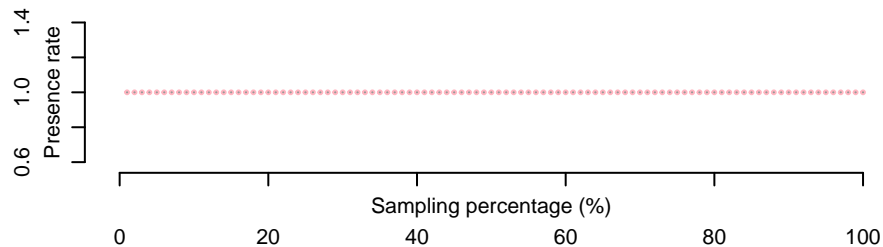
AST.PWY..L.arginine.degradation.II..AST.pathway.



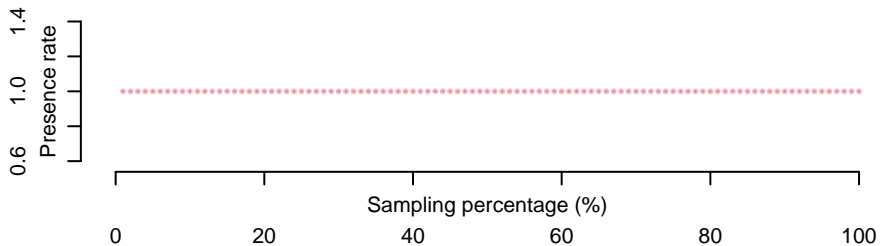
BIOTIN.BIOSYNTHESIS.PWY..biotin.biosynthesis.I



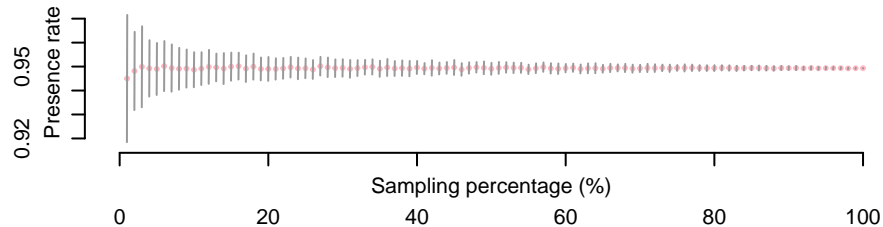
BRANCHED.CHAIN.AA.SYN.PWY..superpathway.of.branched.amino.acid.biosynthesis



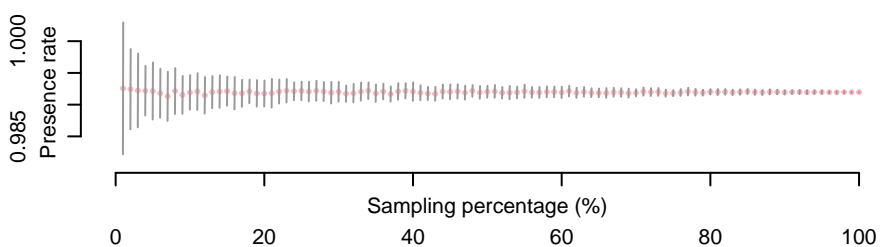
CALVIN.PWY..Calvin.Benson.Bassham.cycle



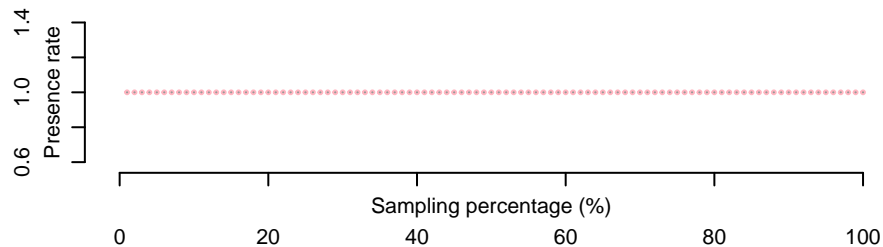
CENTFERM.PWY..pyruvate.fermentation.to.butanoate



CITRULBIO.PWY..L.citrulline.biosynthesis

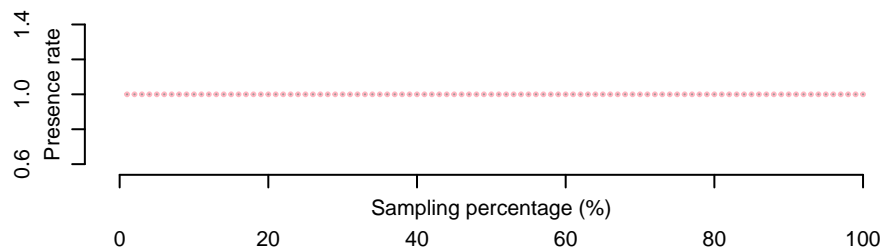


COA.PWY.1..coenzyme.A.biosynthesis.II..mammalian.

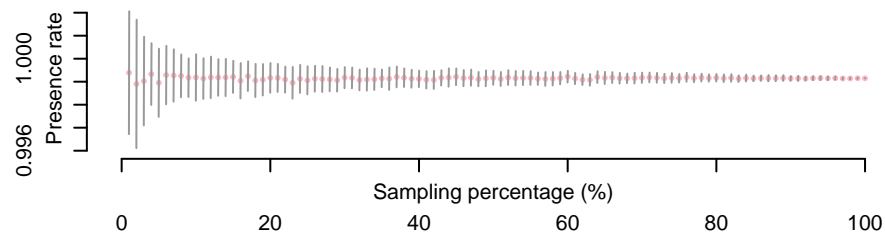




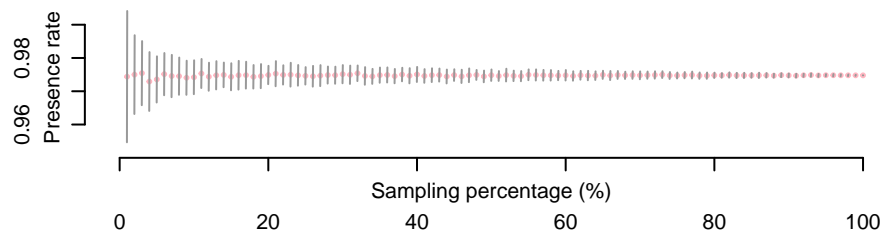
COA.PWY..coenzyme.A.biosynthesis.I



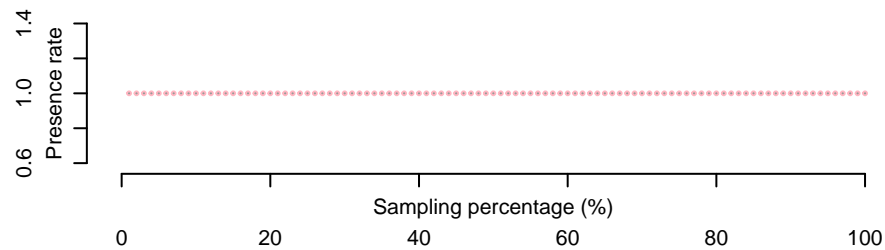
COBALSYN.PWY..adenosylcobalamin.salvage.from.cobinamide.I



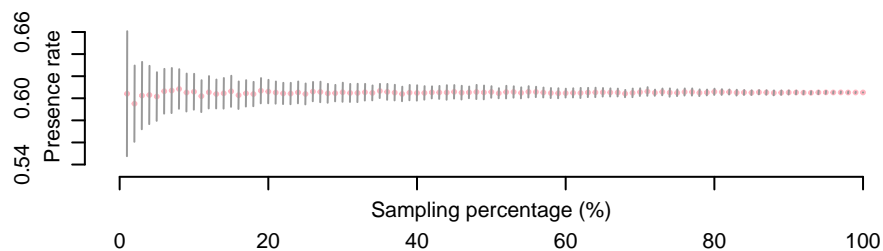
COLANSYN.PWY..colanic.acid.building.blocks.biosynthesis



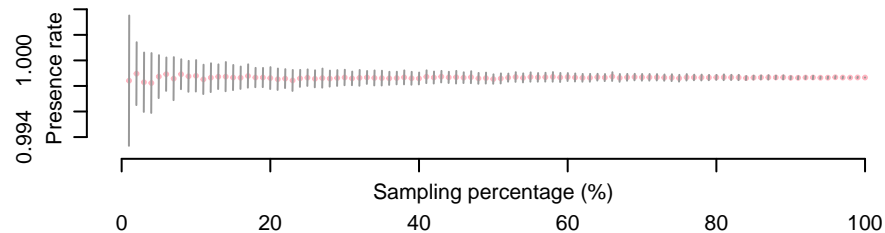
COMPLETE.ARO.PWY..superpathway.of.aromatic.amino.acid.biosynthesis



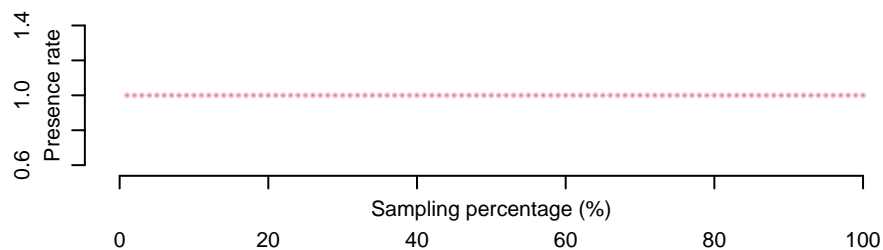
CRNFORCAT.PWY..creatinine.degradation.I



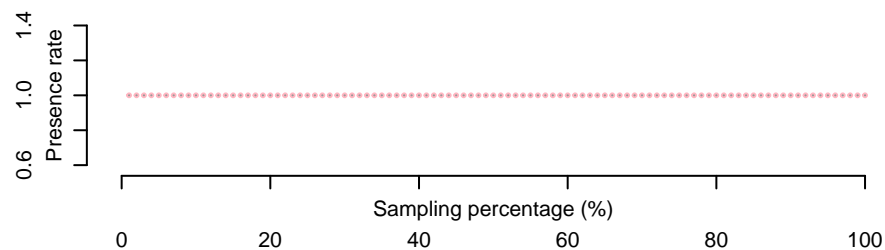
DAPLYSINESYN.PWY..L.lysine.biosynthesis.I



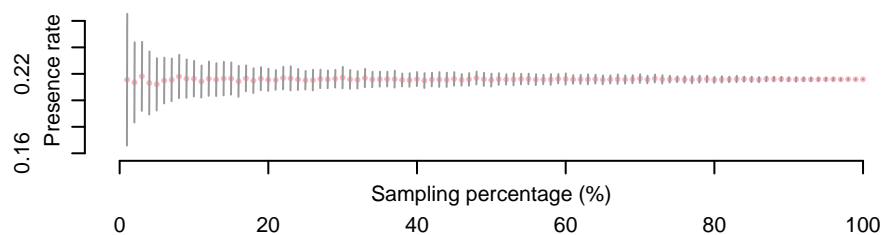
DENOVOPURINE2.PWY...superpathway.of.purine.nucleotides.de.novo.biosynthesis.II



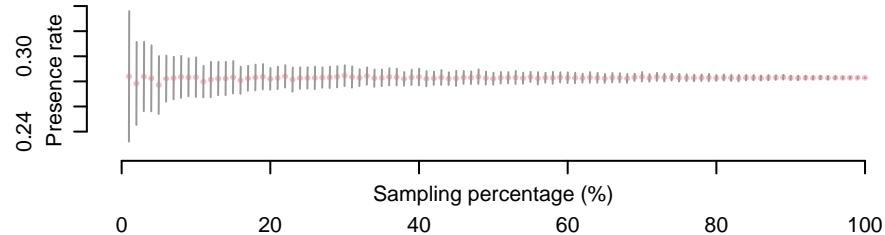
DTPDRHAMSYN.PWY..dTDP.L.rhamnose.biosynthesis.I



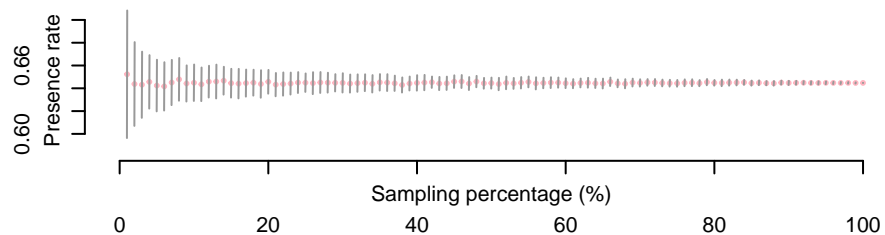
ECASYN.PWY..enterobacterial.common.antigen.biosynthesis



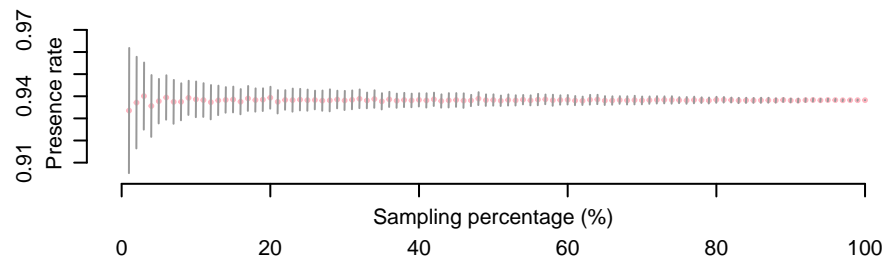
ENTBACSYN.PWY..enterobactin.biosynthesis



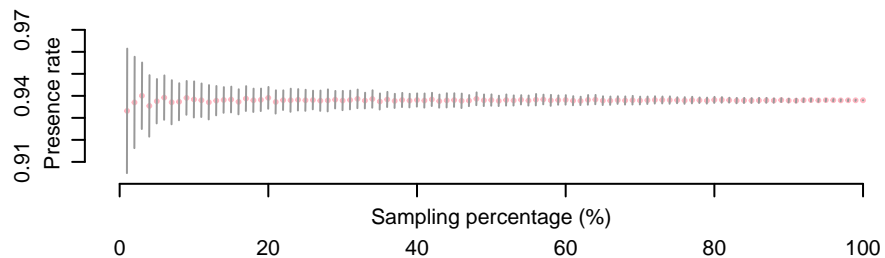
FAO.PWY..fatty.acid..beta..oxidation.I



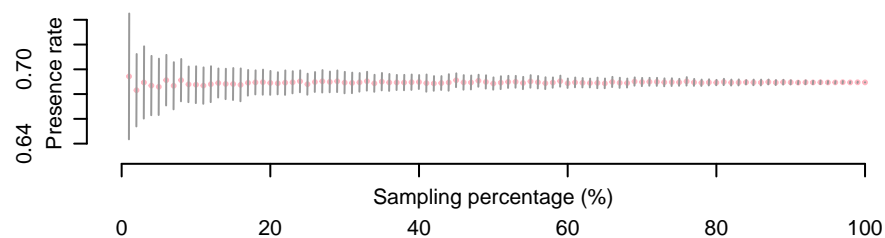
FASYN.ELONG.PWY..fatty.acid.elongation....saturated



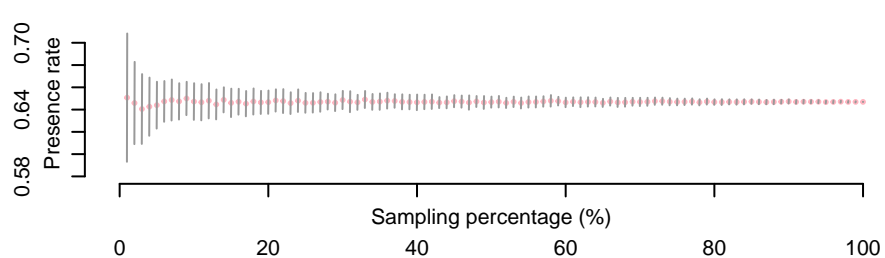
FASYN.INITIAL.PWY..superpathway.of.fatty.acid.biosynthesis.initiation..E..coli.



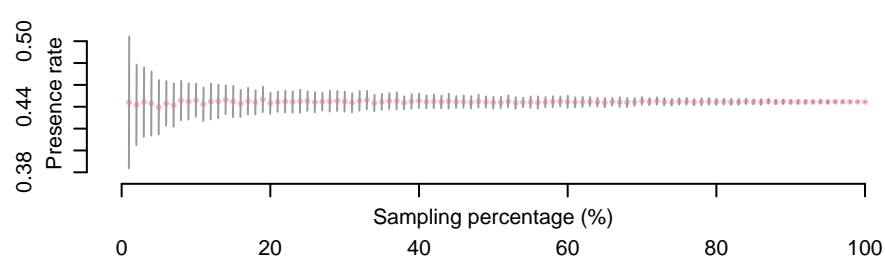
FERMENTATION.PWY..mixed.acid.fermentation



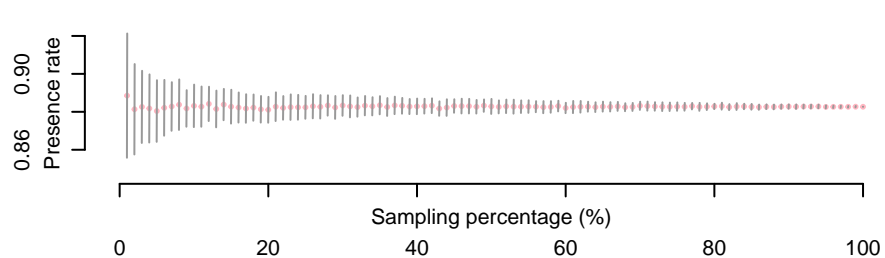
FOLSYN.PWY..superpathway.of.tetrahydrofolate.biosynthesis.and.salvage



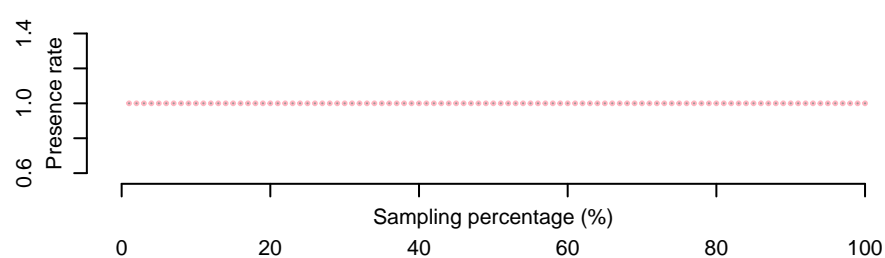
FUC.RHAMCAT.PWY..superpathway.of.fucose.and.rhamnose.degradation



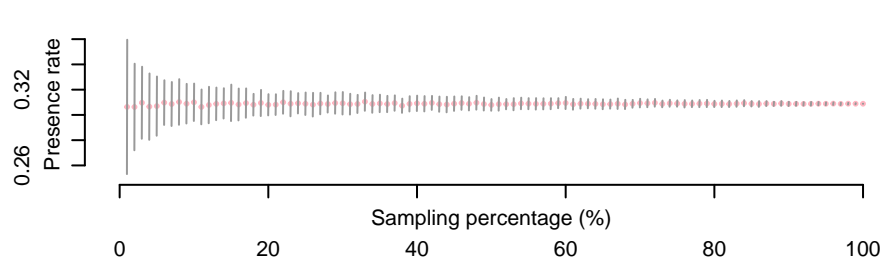
FUCCAT.PWY..fucose.degradation



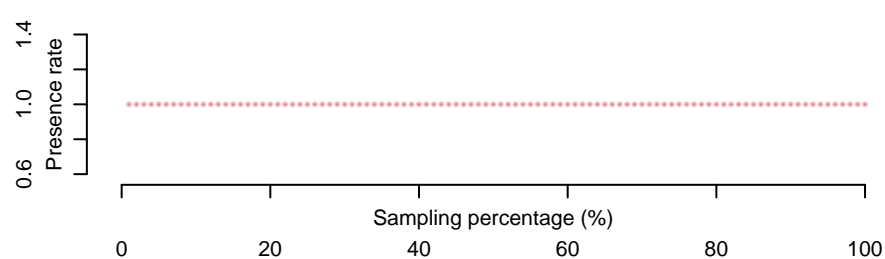
GALACT.GLUCUROCAT.PWY..superpathway.of.hexuronide.and.hexuronate.degradation



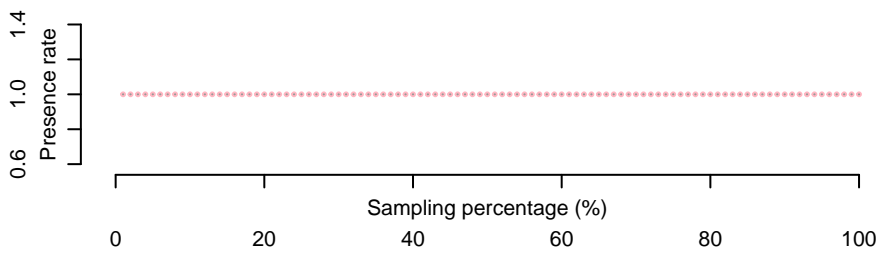
GALACTARDEG.PWY..D.galactarate.degradation.I



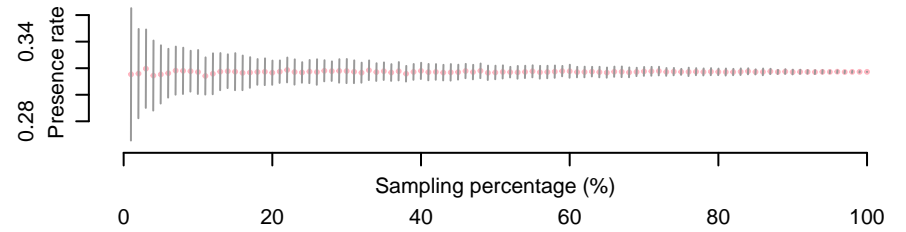
GALACTUROCAT.PWY..D.galacturonate.degradation.I



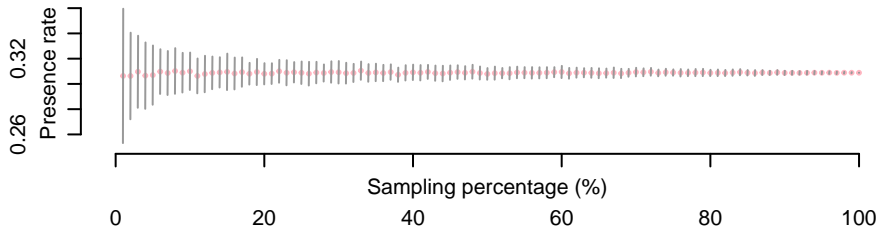
GLCMANNANAUT.PWY..superpathway.of.N.acetylglucosamine..N.acetylmannosamine.and.N.acetylneuramate.degradation



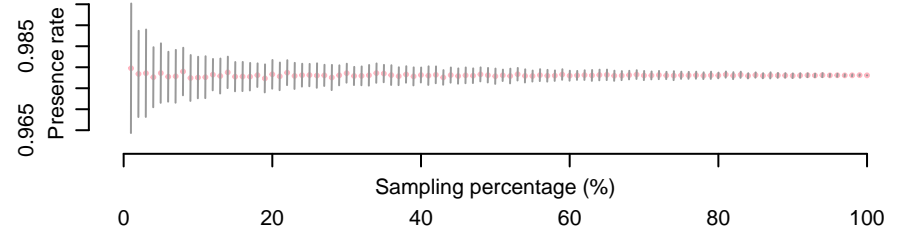
GLUCARDEG.PWY..D.glucarate.degradation.I



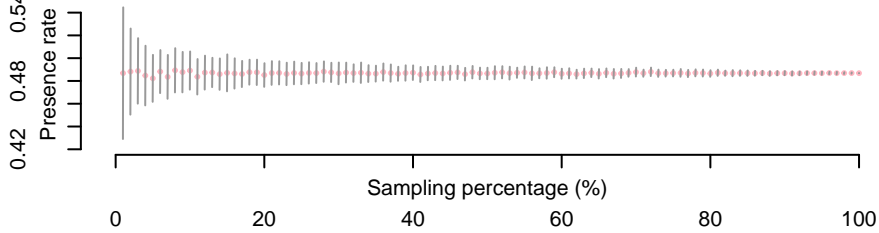
GLUCARGALACTSUPER.PWY..superpathway.of.D.glucarate.and.D.galactarate.degradation



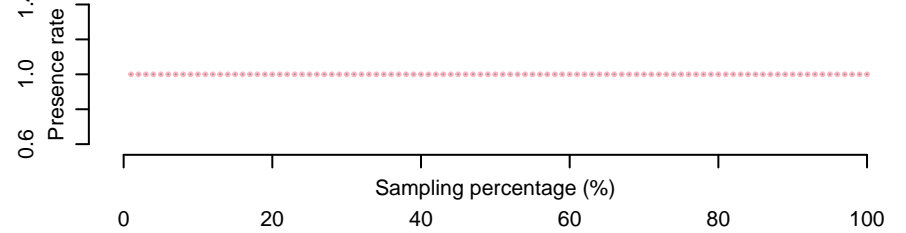
GLUCONEO.PWY..gluconeogenesis.I



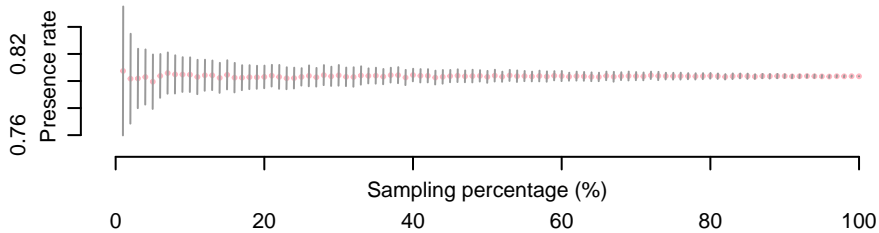
GLUCOSE1PMETAB.PWY..glucose.and.glucose.1.phosphate.degradation



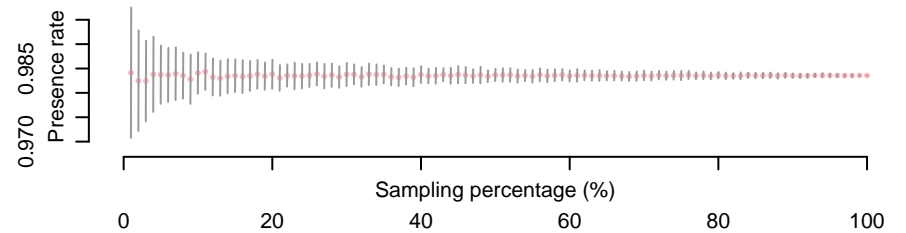
GLUCUROCAT.PWY..superpathway.of..beta..D.glucuronide.and.D.glucuronate.degradation



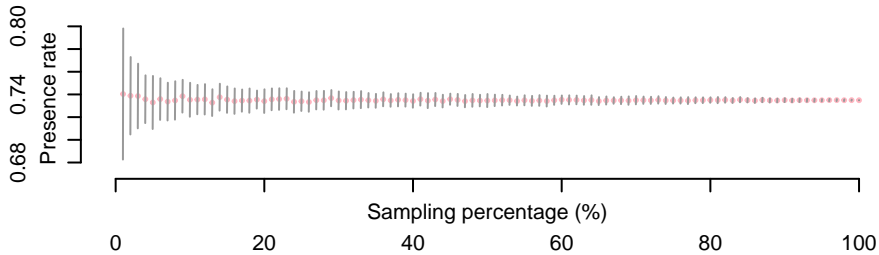
GLUDEG.I.PWY..GABA.shunt



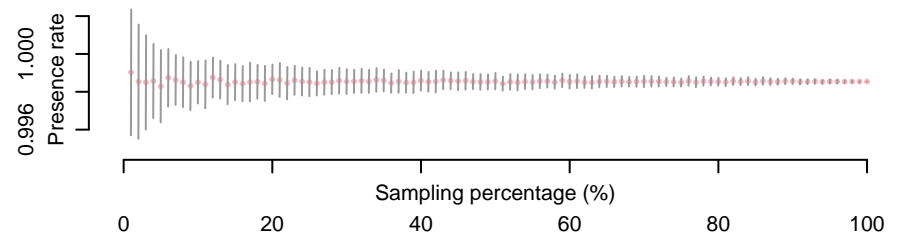
GLUTORN.PWY..L.ornithine.biosynthesis



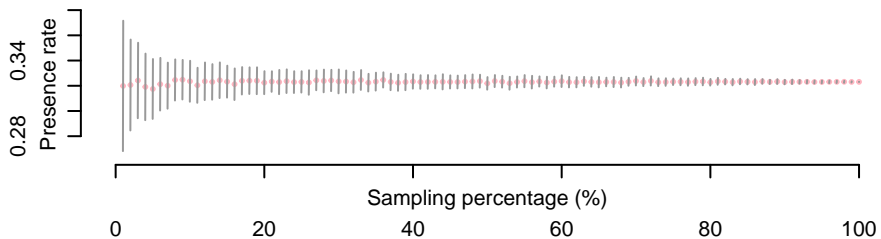
GLYCOCAT.PWY..glycogen.degradation.I..bacterial.



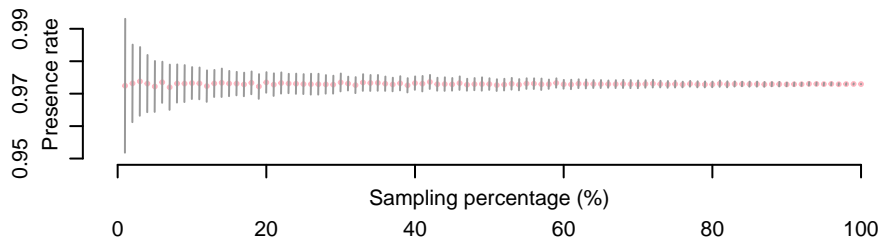
GLYCOGENSYNTH.PWY..glycogen.biosynthesis.I..from.ADP.D.Glucose.



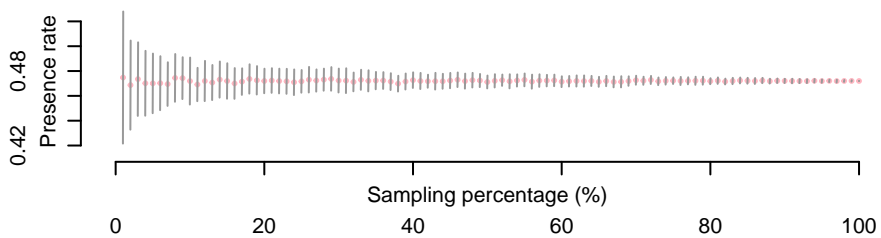
GLYCOL.GLYOXDEG.PWY..superpathway.of.glycol.metabolism.and.degradation



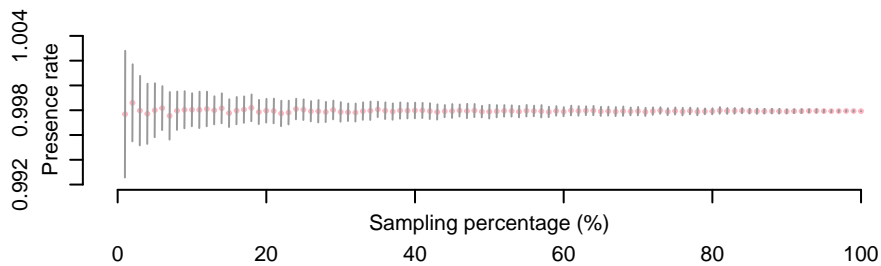
PWY\_GLYCOLYSIS.E.D..superpathway.of.glycolysis.and.Entner.Doudoroff



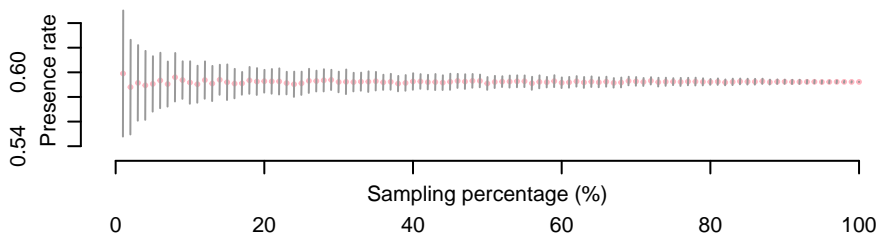
PWY\_GLYCOLYSIS.TCA.GLYOX.BYPASS..superpathway.of.glycolysis..pyruvate.dehydrogenase..TCA..and.glyoxylate.bypa



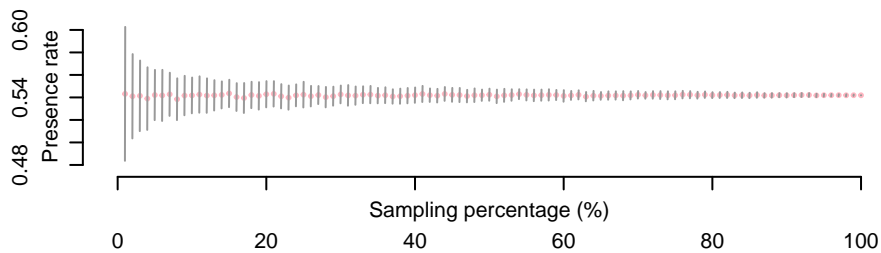
PWY\_GLYCOLYSIS..glycolysis.I..from.glucose.6.phosphate.



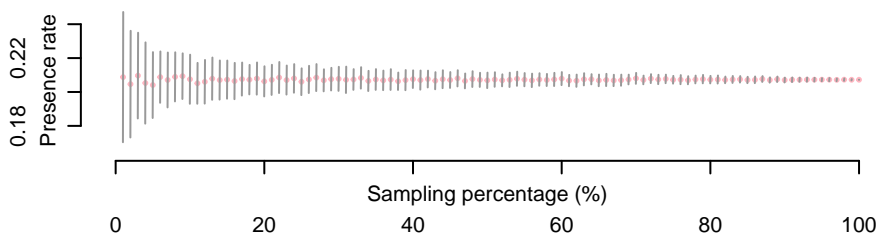
PWY\_GLYOXYLATE.BYPASS..glyoxylate.cycle



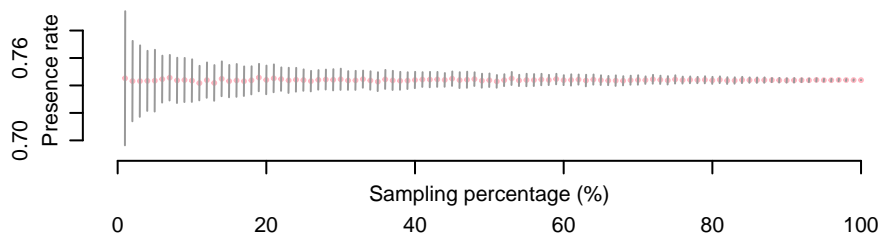
GOLPDLCAT.PWY..superpathway.of.glycerol.degradation.to.1.3.propanediol



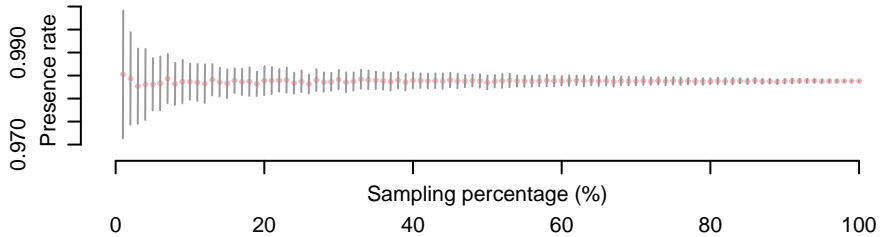
HCAMHPDEG.PWY..3.phenylpropanoate.and.3.3.hydroxyphenyl.propanoate.degradation.to.2.oxopent.4.enoate



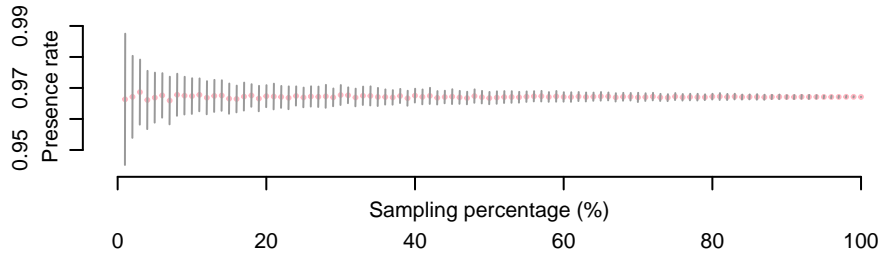
PWY\_HEME.BIOSYNTHESIS.II..heme.biosynthesis.I..aerobic.



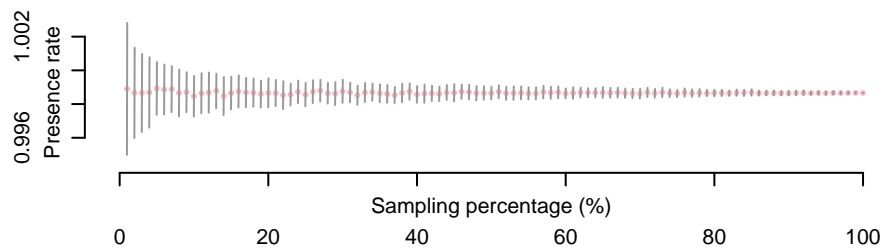
HEMESYN2.PWY..heme.biosynthesis.II..anaerobic.



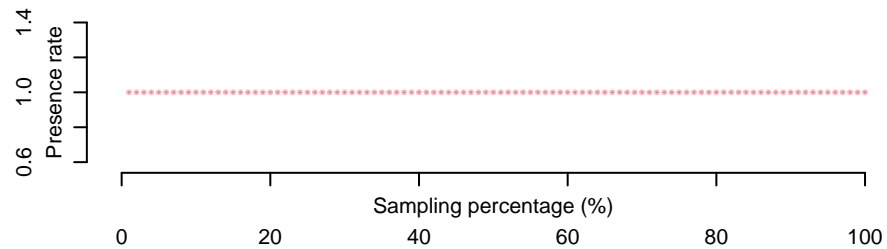
HEXITOLDEGSUPER.PWY..superpathway.of.hexitol.degradation..bacteria.



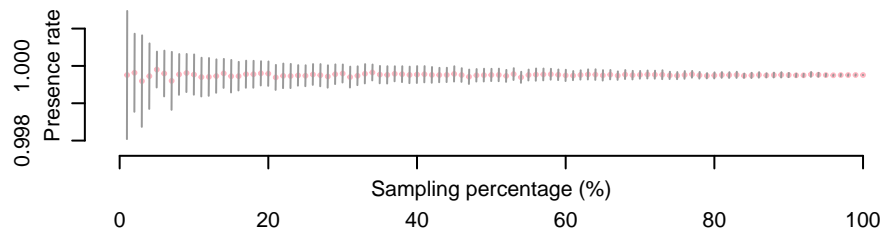
HISDEG.PWY..L.histidine.degradation.I



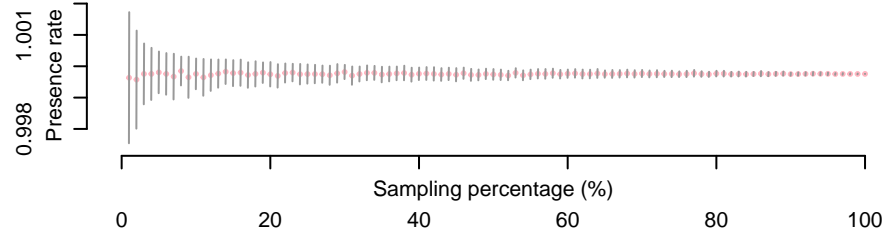
HISTSYN.PWY..L.histidine.biosynthesis



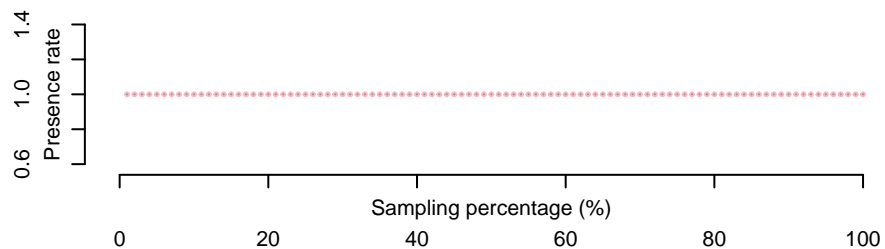
HOMOSER.METSYN.PWY..L.methionine.biosynthesis.I



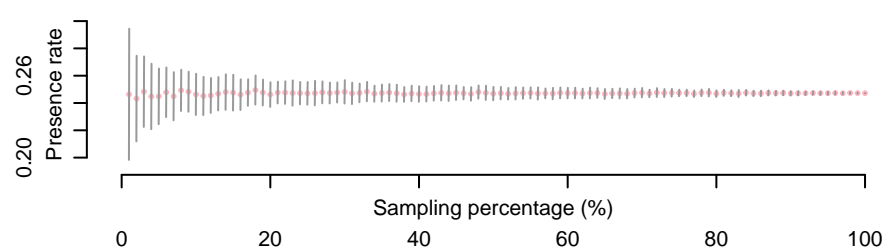
HSERMETANA.PWY..L.methionine.biosynthesis.III



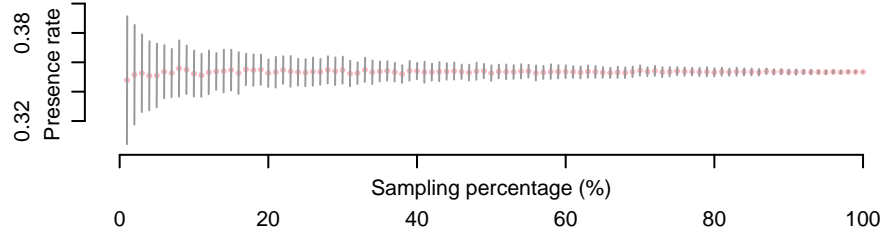
ILEUSYN.PWY..L.isoleucine.biosynthesis.I.from.threonine.



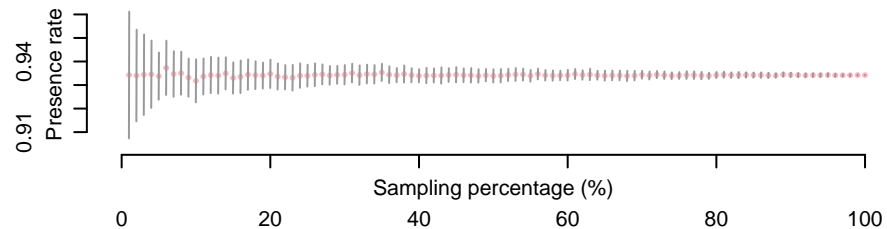
KDO.NAGLIPASYN.PWY..superpathway.of..Kdo.2.lipid.A.biosynthesis



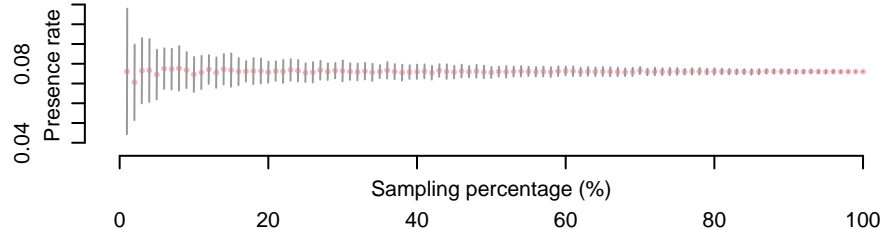
KETOGLUCONMET.PWY..ketogluconate.metabolism



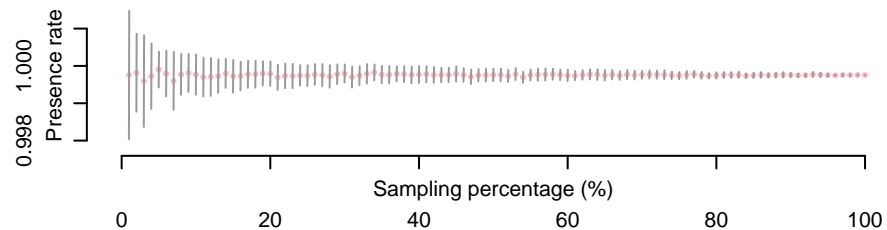
LACTOSECAT.PWY..lactose.and.galactose.degradation.I



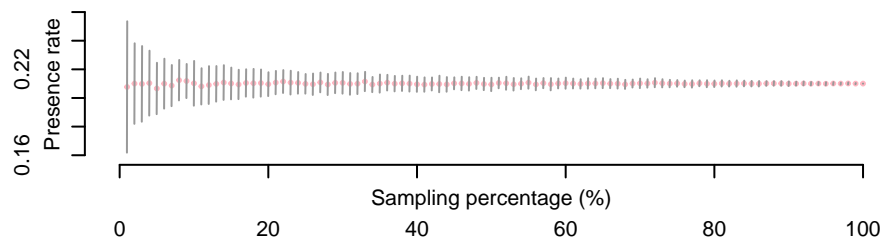
LPSSYN.PWY..superpathway.of.lipopolysaccharide.biosynthesis



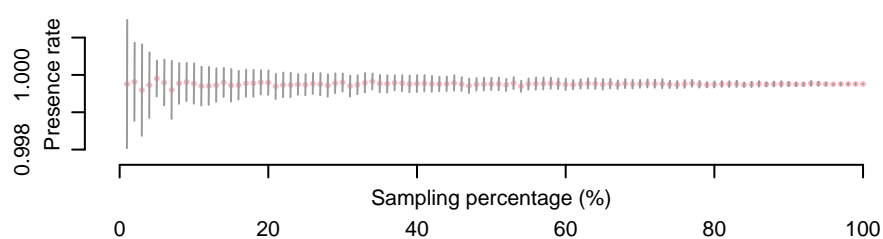
MET.SAM.PWY..superpathway.of.S.adenosyl.L.methionine.biosynthesis



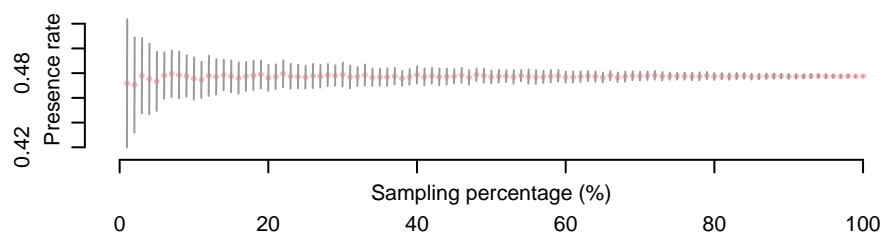
METHGLYUT.PWY..superpathway.of.methylglyoxal.degradation



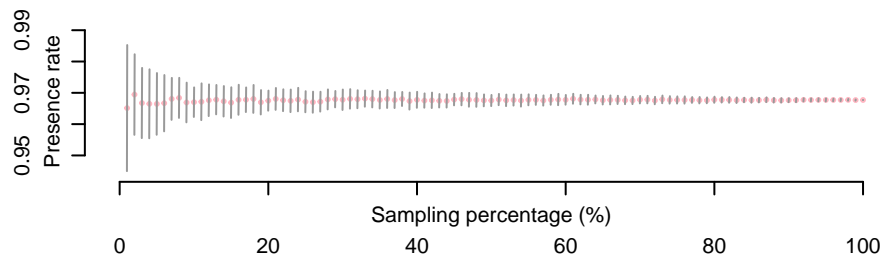
METSYN.PWY..L.homoserine.and.L.methionine.biosynthesis



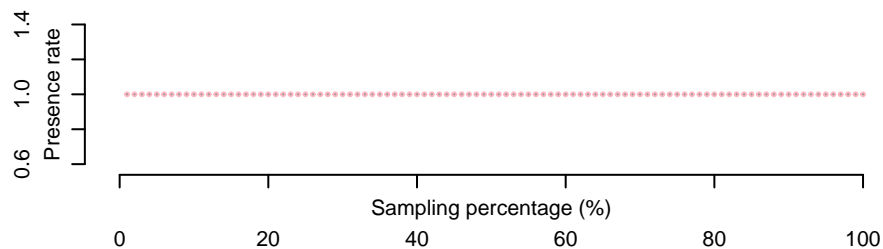
PWY\_NAD.BIOSYNTHESIS.II..NAD.salvage.pathway.II



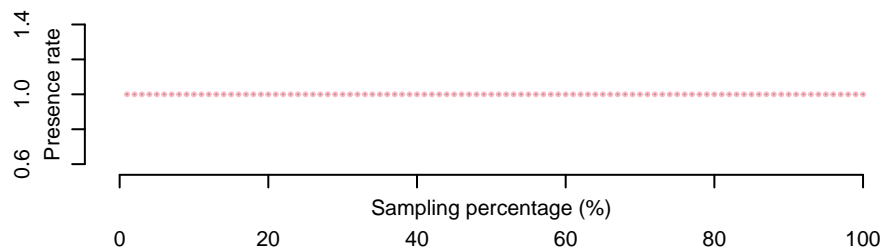
NAGLIPASYN.PWY..lipid.IVA.biosynthesis



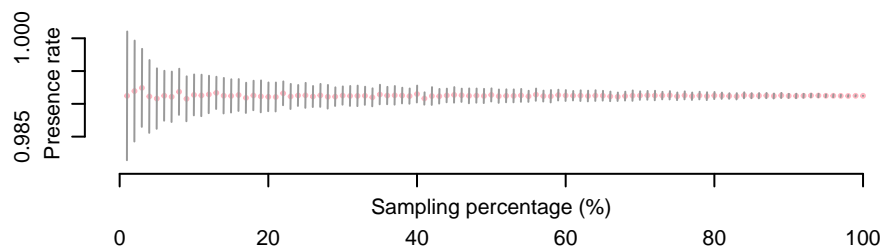
NONMEVIP.PWY..methylerythritol.phosphate.pathway.I



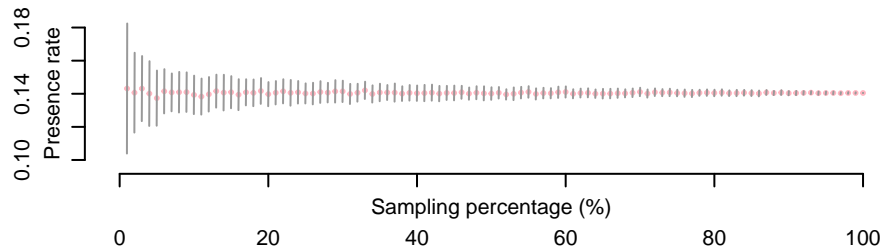
NONOXIPENT.PWY..pentose.phosphate.pathway..non.oxidative.branch.



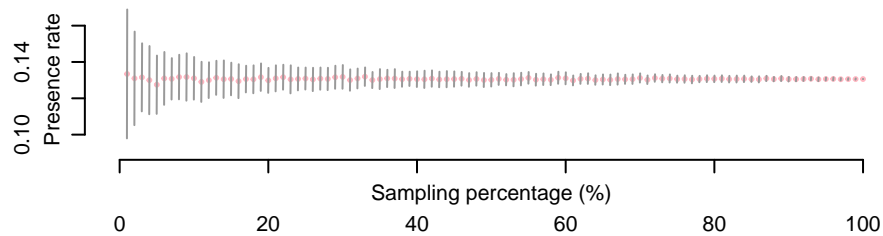
OANTIGEN.PWY..O.antigen.building.blocks.biosynthesis..E..coli.



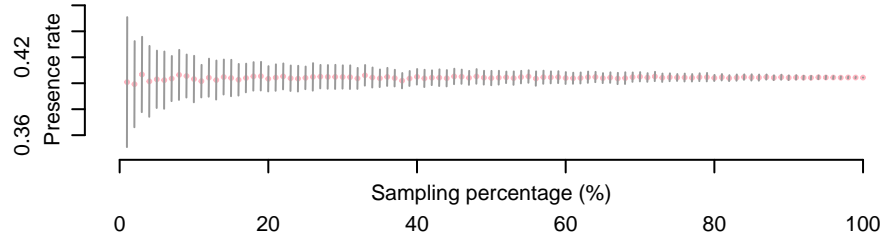
ORNARGDEG.PWY..superpathway.of.L.arginine.and.L.ornithine.degradation



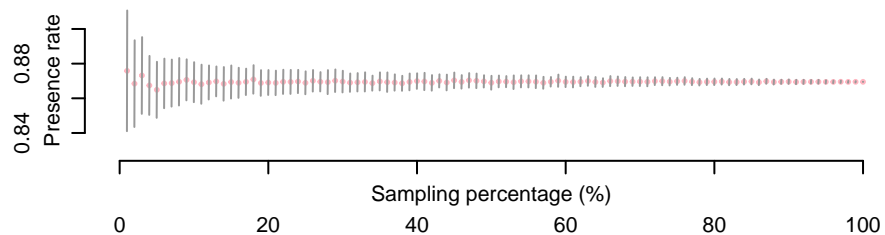
ORNDEG.PWY..superpathway.of.ornithine.degradation



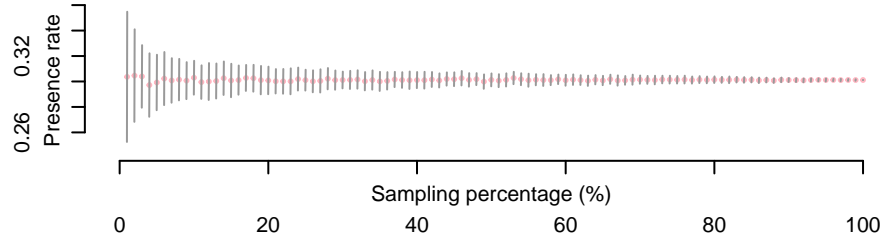
P105.PWY..TCA.cycle.IV..2.oxoglutarate.decarboxylase.



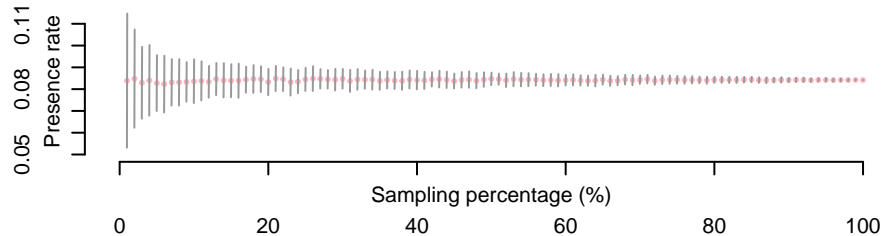
P108.PWY..pyruvate.fermentation.to.propanoate.I



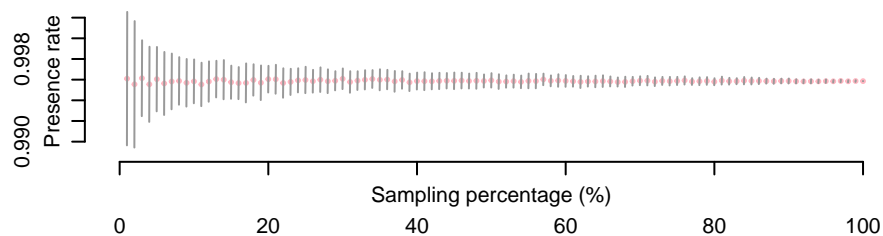
P122.PWY..heterolactic.fermentation



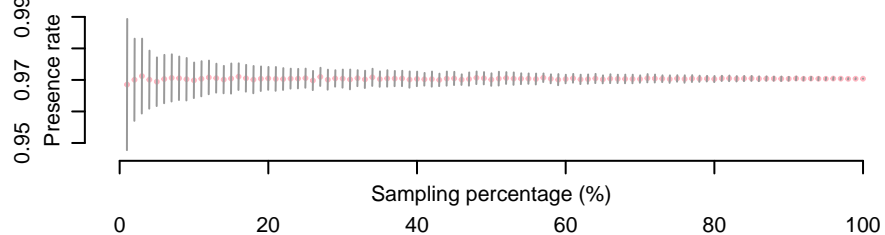
P124.PWY..Bifidobacterium.shunt



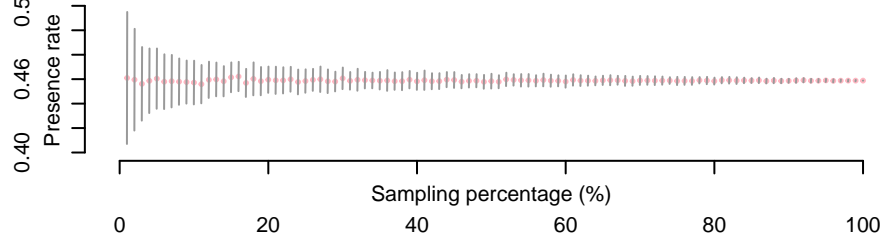
P161.PWY..acetylene.degradation



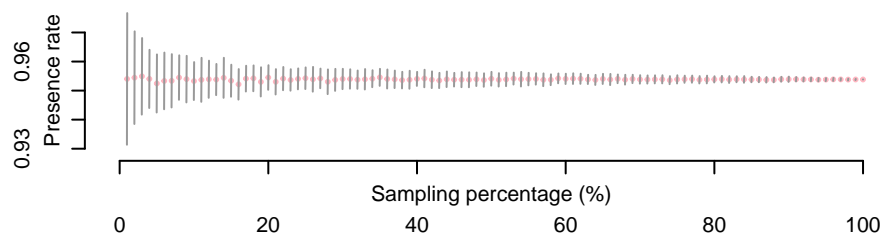
P162.PWY..L.glutamate.degradation.V.via.hydroxyglutarate.



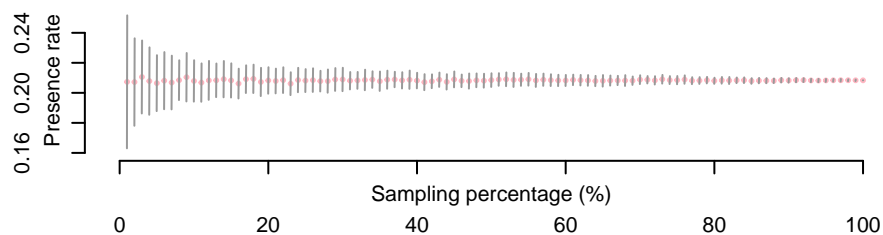
P164.PWY..purine.nucleobases.degradation.I..anaerobic.



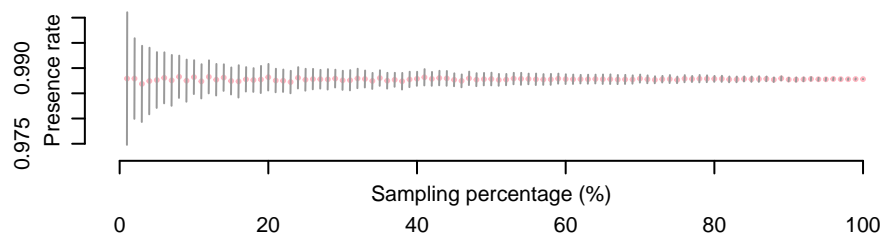
P185.PWY..formaldehyde.assimilation.III..dihydroxyacetone.cycle.



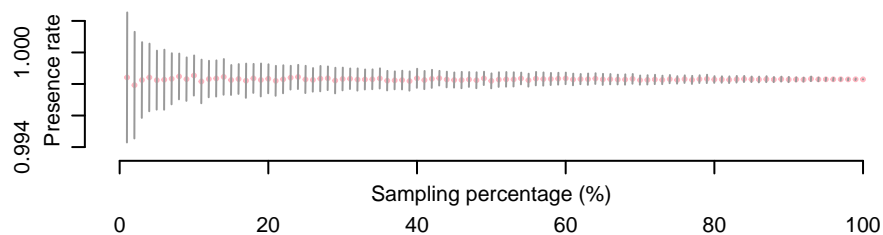
P23.PWY..reductive.TCA.cycle.I



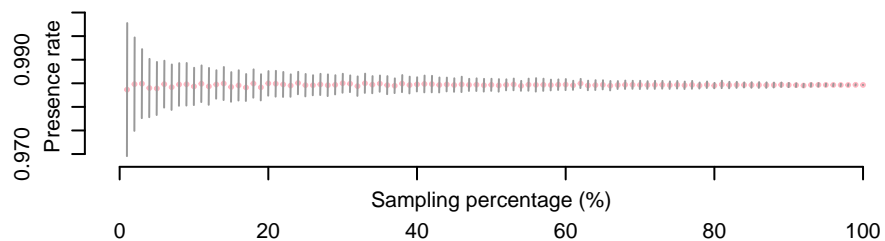
P4.PWY..superpathway.of.L.lysine..L.threonine.and.L.methionine.biosynthesis.I



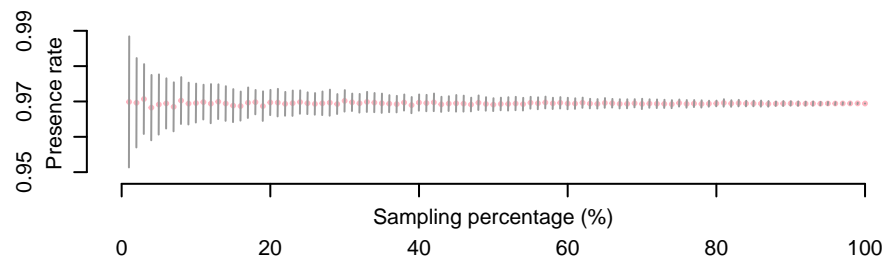
P42.PWY..incomplete.reductive.TCA.cycle



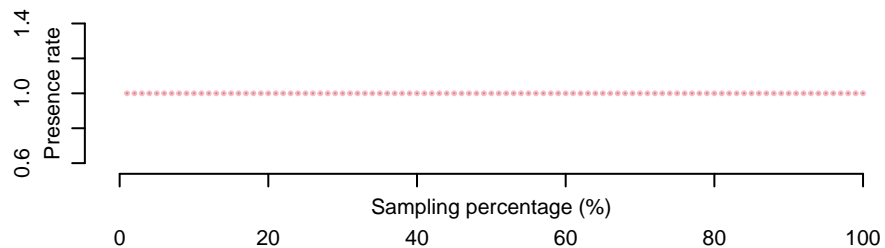
P441.PWY..superpathway.of.N.acetylneuraminate.degradation



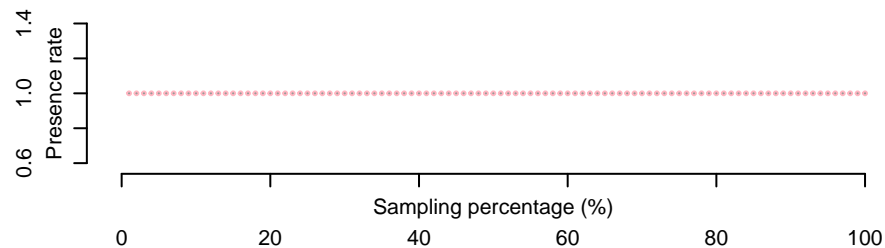
P461.PWY..hexitol.fermentation.to.lactate..formate..ethanol.and.acetate



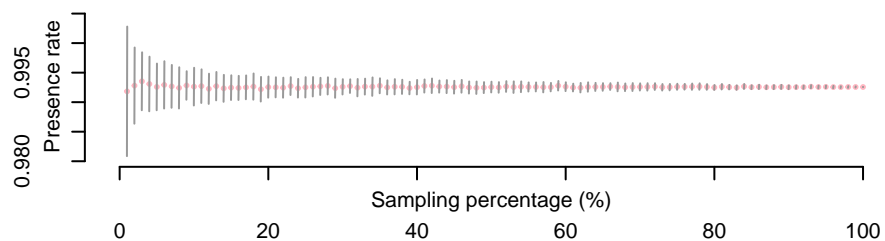
PANTO.PWY..phosphopantothenate.biosynthesis.I



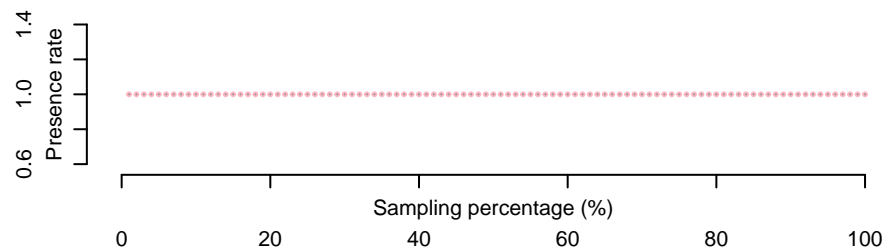
PANTOSYN.PWY..pantothenate.and.coenzyme.A.biosynthesis.I



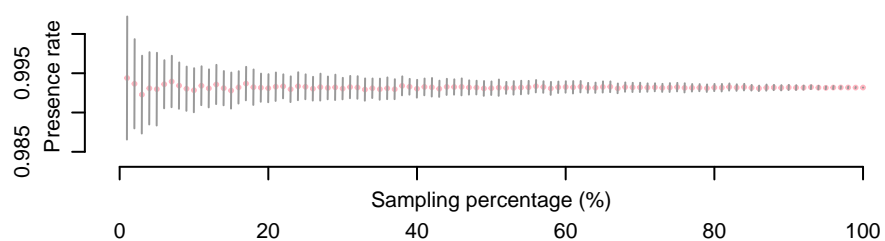
PENTOSE.P.PWY..pentose.phosphate.pathway



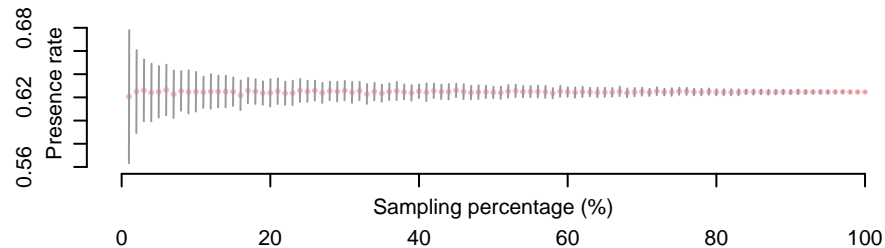
PEPTIDOGLYCANSYN.PWY..peptidoglycan.biosynthesis.I..meso.diaminopimelate.containing.



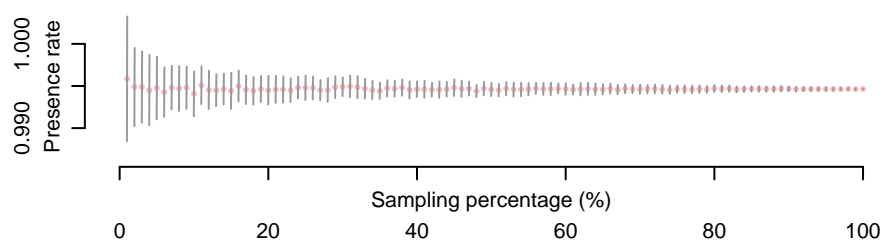
PHOSLIPSYN.PWY..superpathway.of.phospholipid.biosynthesis.I..bacteria.



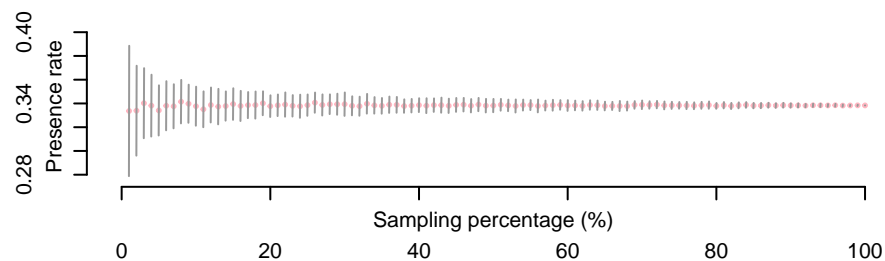
POLYAMINSYN3.PWY..superpathway.of.polyamine.biosynthesis.II



POLYAMSYN.PWY..superpathway.of.polyamine.biosynthesis.I

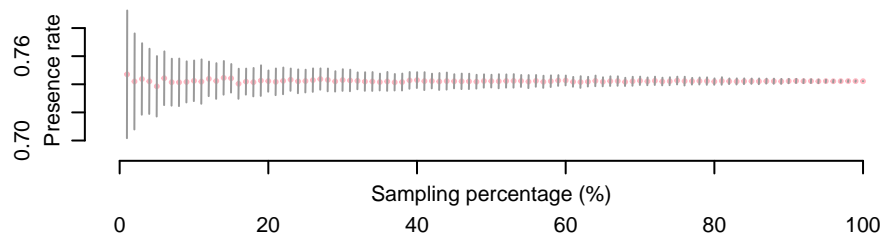


POLYISOPRENSYN.PWY..polyisoprenoid.biosynthesis..E..coli.

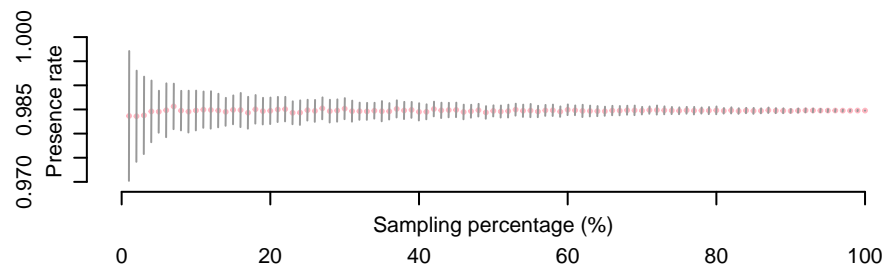




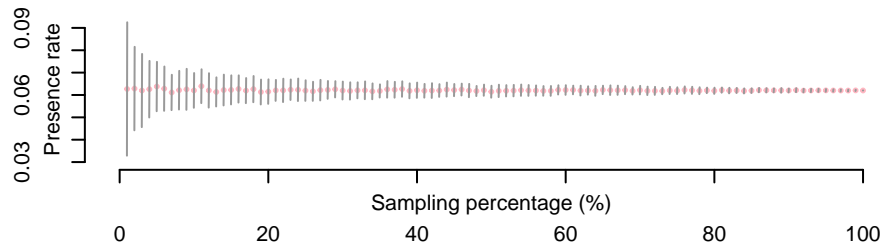
PPGPPMET.PWY..ppGpp.biosynthesis



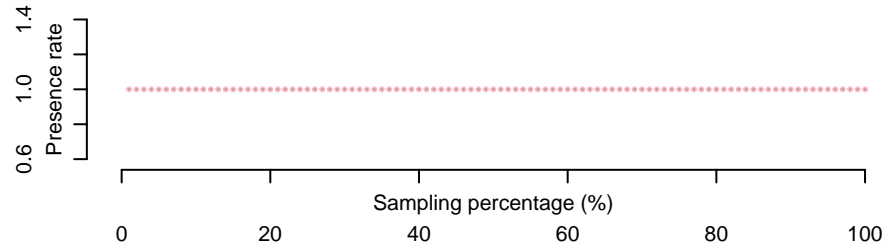
PRPP.PWY..superpathway.of.histidine..purine..and.pyrimidine.biosynthesis



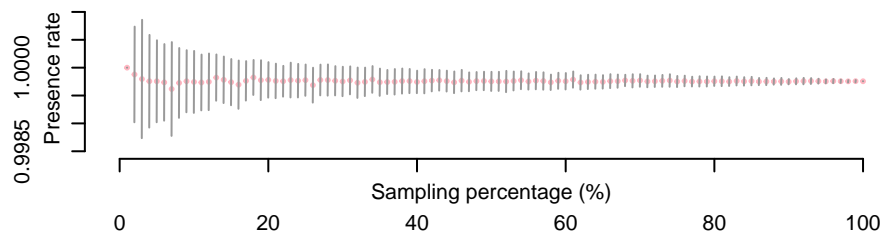
PWY.101..photosynthesis.light.reactions



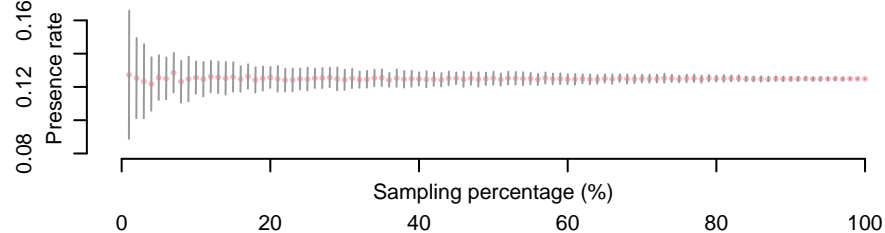
PWY.1042..glycolysis.IV..plant.cytosol.



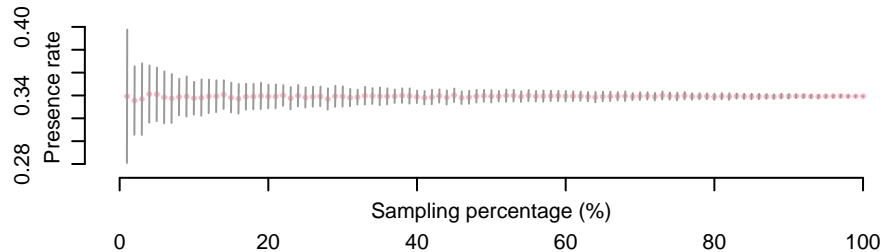
PWY.1269..CMP.3.deoxy.D.manno.octulosonate.biosynthesis.I



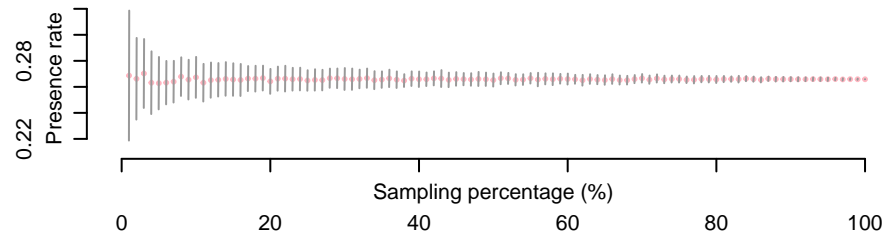
PWY.1861..formaldehyde.assimilation.II..RuMP.Cycle.



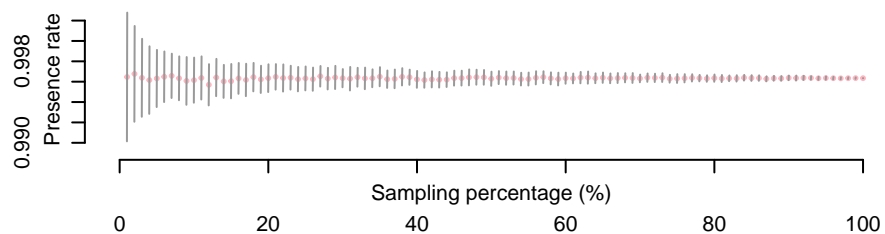
PWY.241..C4.photosynthetic.carbon.assimilation.cycle..NADP.ME.type



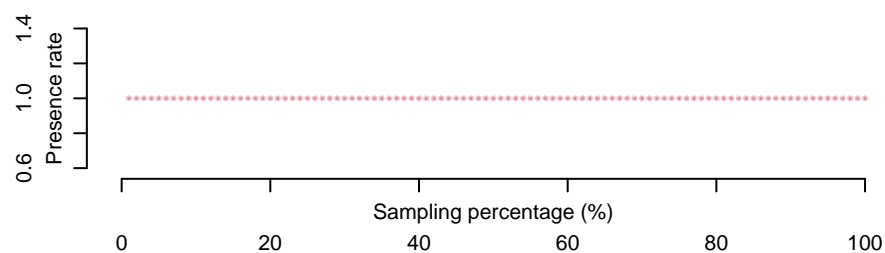
PWY.2723..trehalose.degradation.V



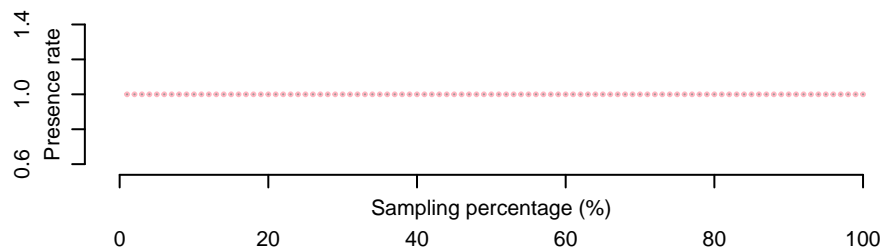
PWY.2941..L.lysine.biosynthesis.II



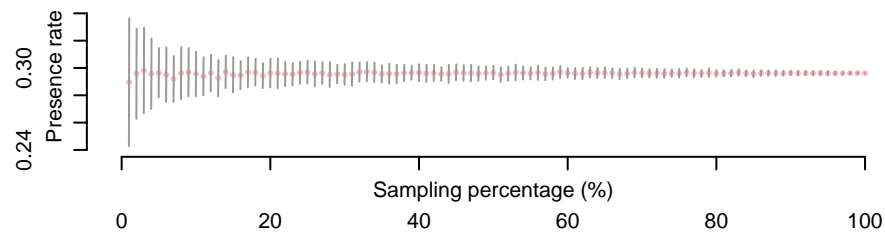
PWY.2942..L.lysine.biosynthesis.III



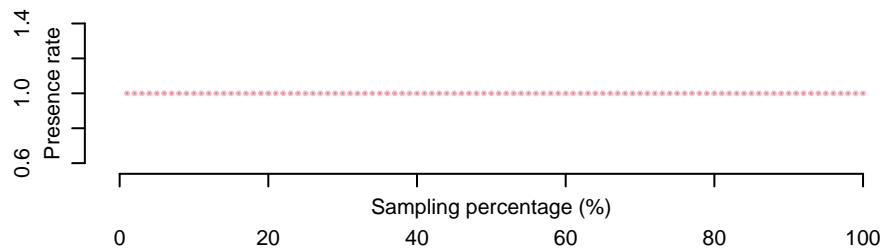
PWY.3001..superpathway.of.L.isoleucine.biosynthesis.I



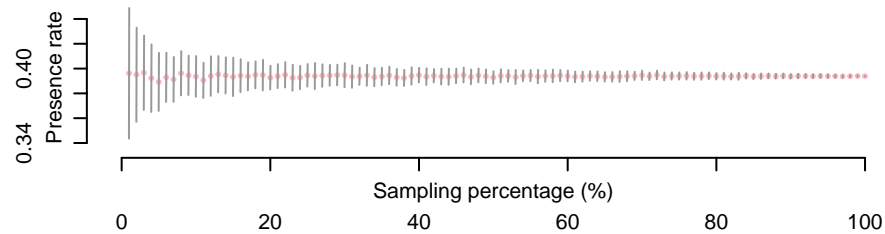
PWY.3781..aerobic.respiration.I..cytochrome.c.



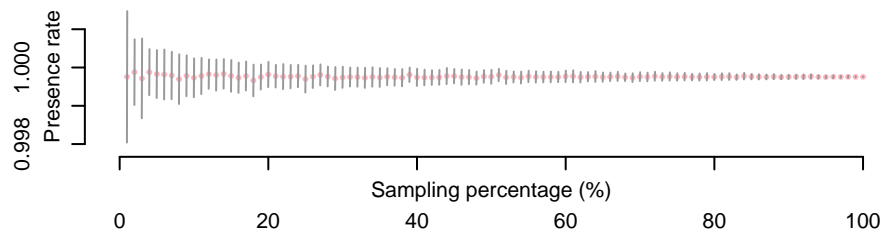
PWY.3841..folate.transformations.II



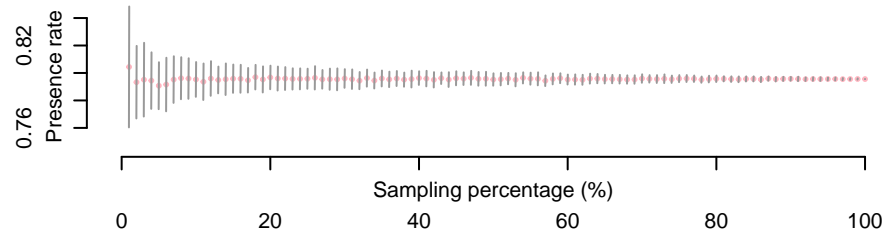
PWY.4041...gamma..glutamyl.cycle



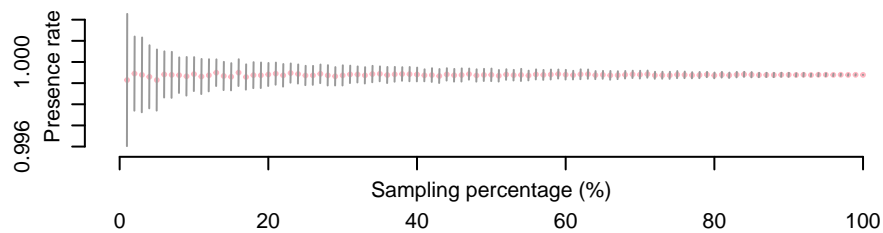
PWY.4242..pantothenate.and.coenzyme.A.biosynthesis.III



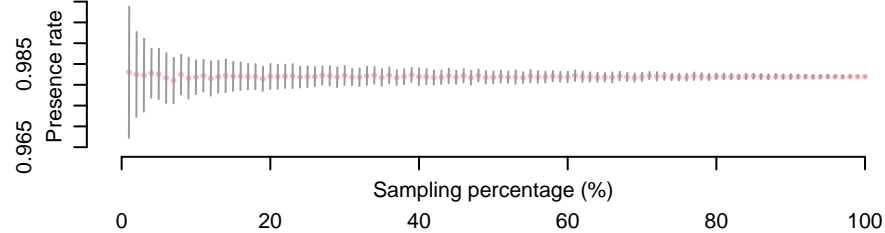
PWY.4702..phytate.degradation.I



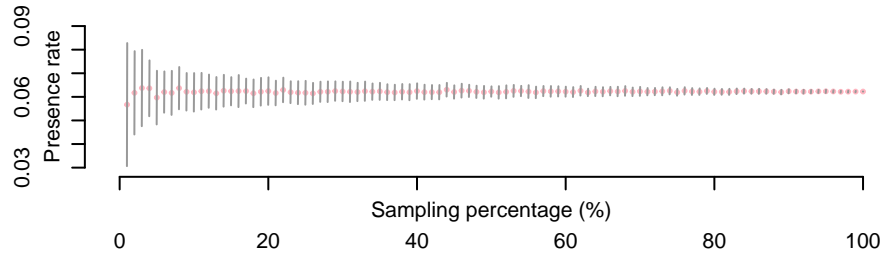
PWY.4981..L.proline.biosynthesis.II..from.arginine.



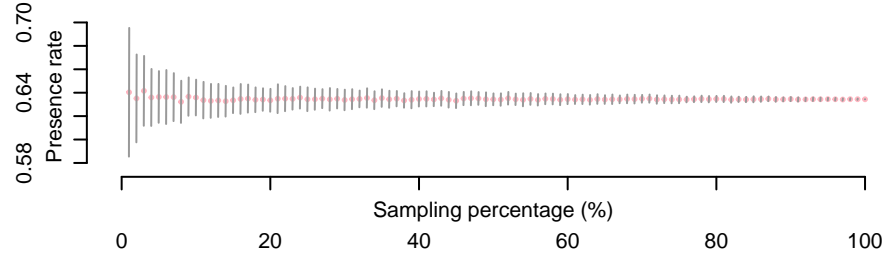
PWY.4984..urea.cycle



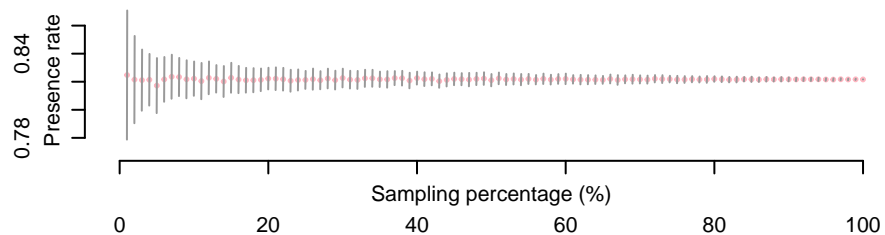
PWY.5004..superpathway.of.L.citrulline.metabolism



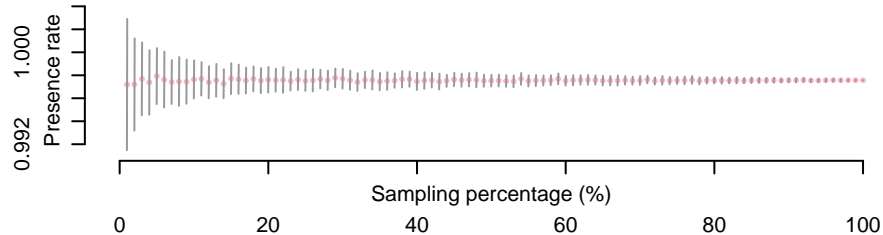
PWY.5005..biotin.biosynthesis.II



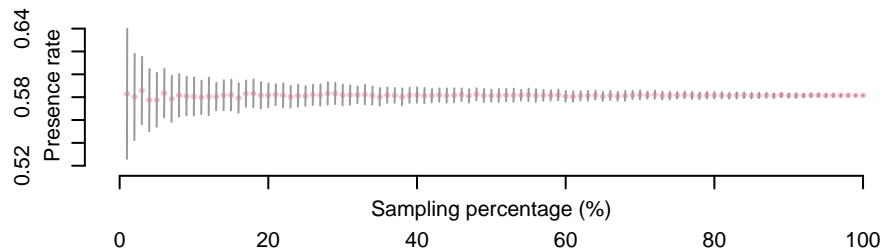
PWY.5022..4.aminobutanoate.degradation.V



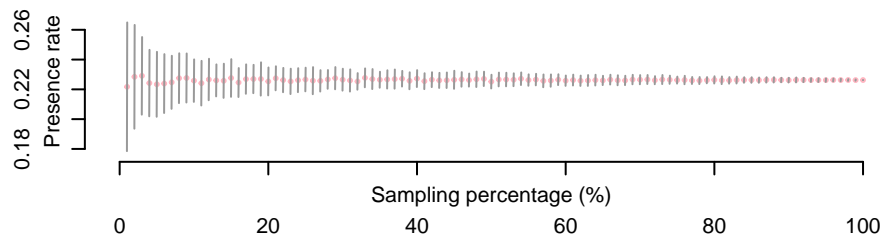
PWY.5030..L.histidine.degradation.III



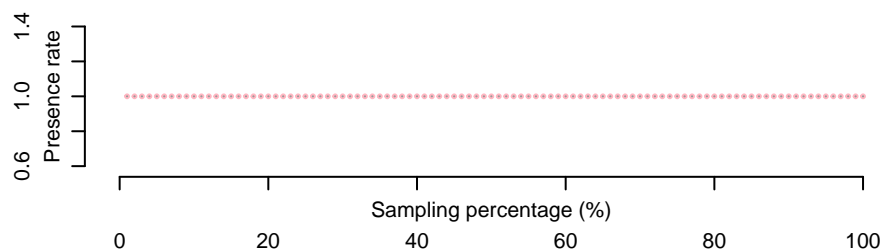
PWY.5083..NAD.NADH.phosphorylation.and.dephosphorylation



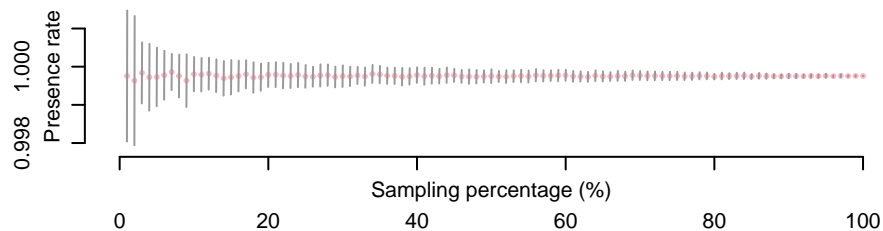
PWY.5088..L.glutamate.degradation.VIII..to.propanoate.



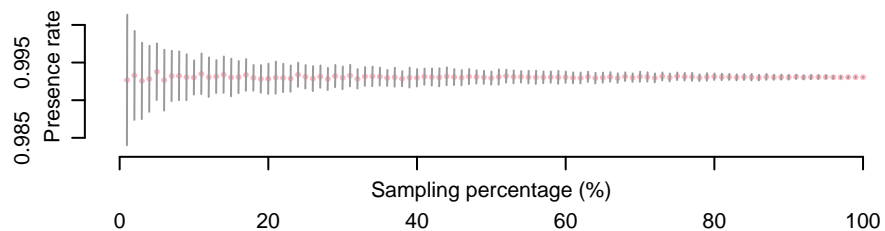
PWY.5097..L.lysine.biosynthesis.VI



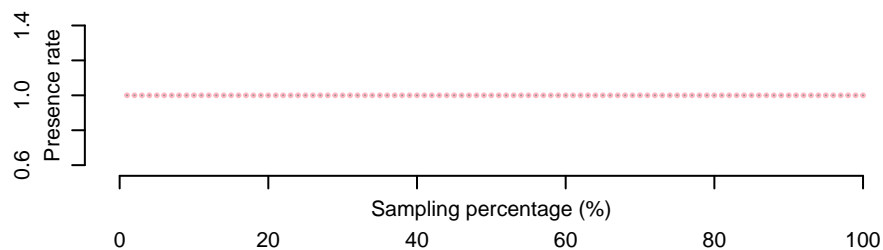
PWY.5100..pyruvate.fermentation.to.acetate.and.lactate.II



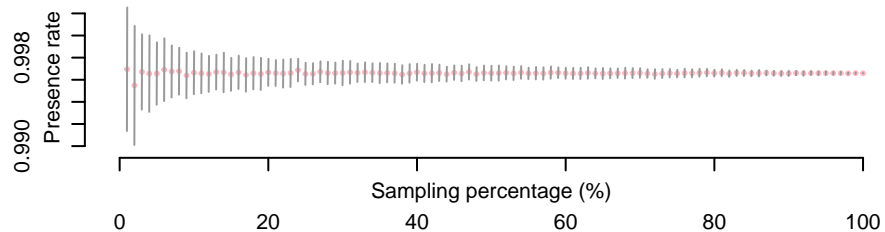
PWY.5101..L.isoleucine.biosynthesis.II



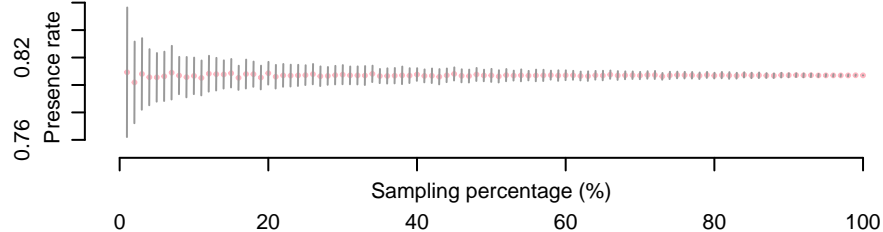
PWY.5103..L.isoleucine.biosynthesis.III



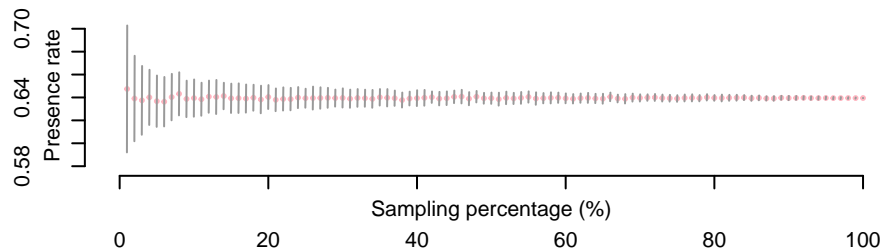
PWY.5104..L.isoleucine.biosynthesis.IV



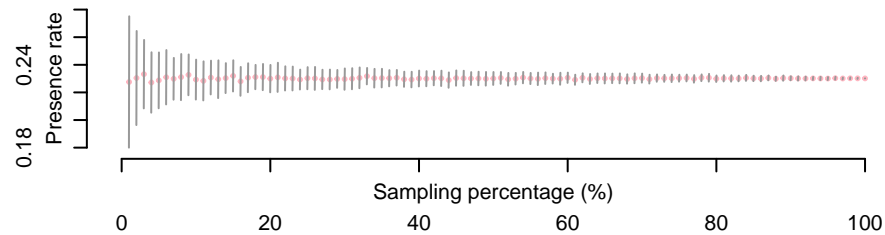
PWY.5121..superpathway.of.geranylgeranyl.diphosphate.biosynthesis.II..via.MEP.



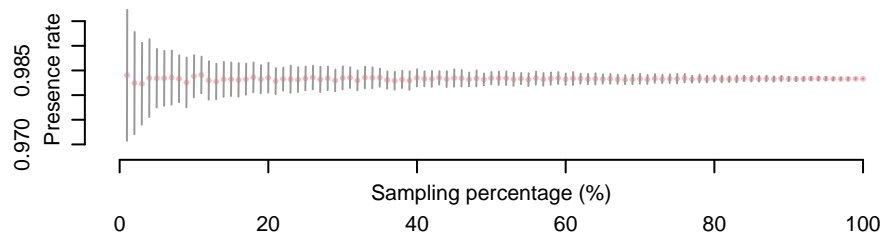
PWY.5136..fatty.acid..beta..oxidation.II..peroxisome.



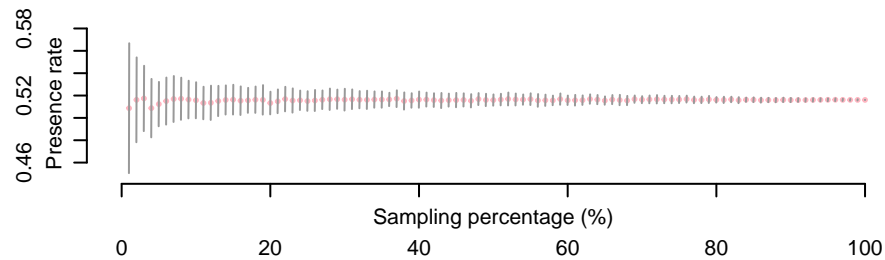
PWY.5138..unsaturated..even.numbered.fatty.acid..beta..oxidation



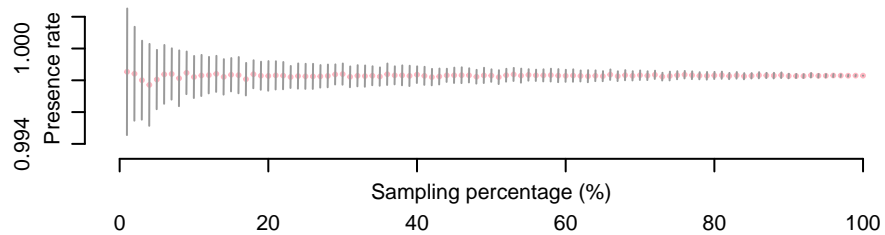
PWY.5154..L.arginine.biosynthesis.III..via.N.acetyl.L.citrulline.



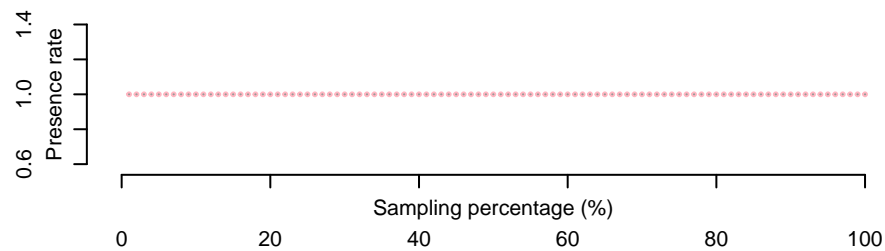
PWY.5173..superpathway.of.acetyl.CoA.biosynthesis



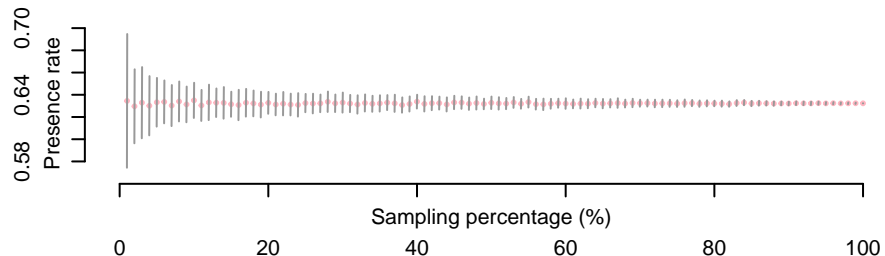
PWY.5177..glutaryl.CoA.degradation



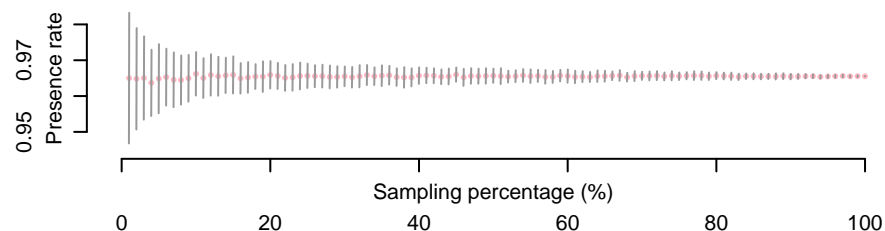
PWY.5188..tetrapyrrole.biosynthesis.I..from.glutamate.



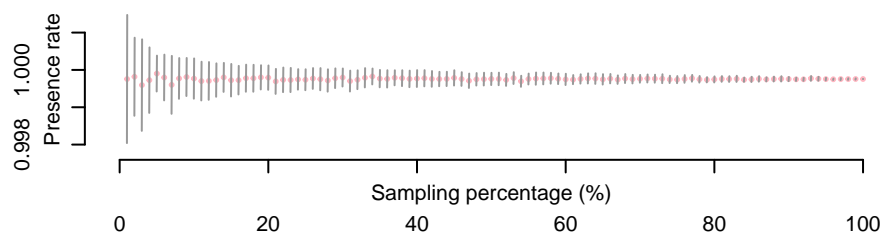
PWY.5189..tetrapyrrole.biosynthesis.II..from.glycine.



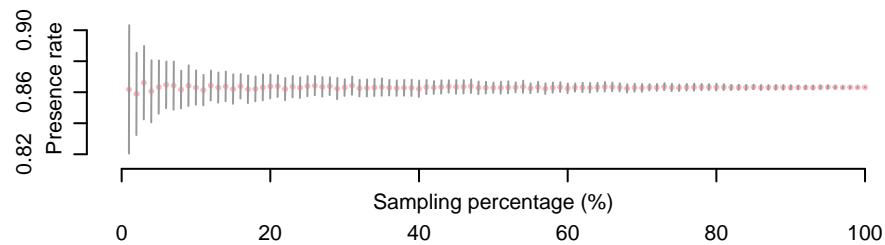
PWY.5345..superpathway.of.L.methionine.biosynthesis..by.sulfhydrylation.



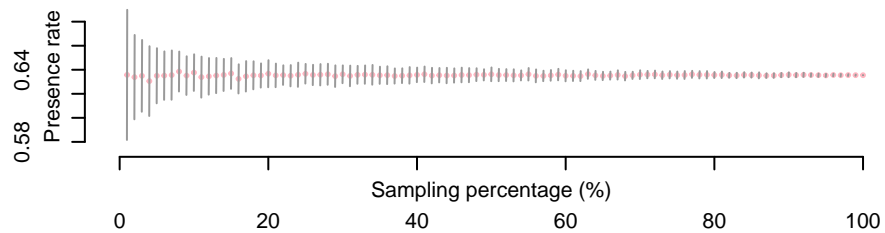
PWY.5347..superpathway.of.L.methionine.biosynthesis..transsulfuration.



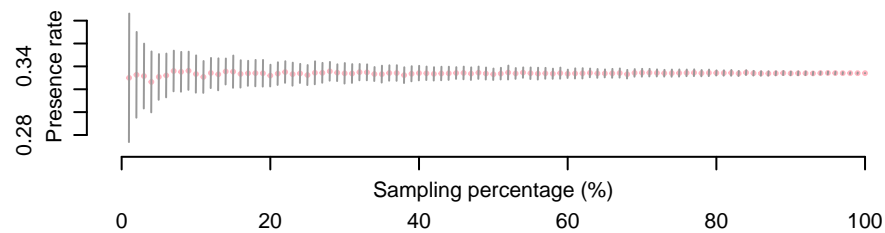
PWY.5367..petroselinic.acid.biosynthesis



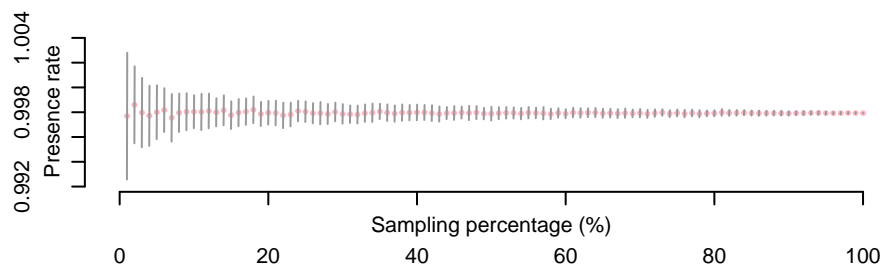
PWY.5384..sucrose.degradation.IV..sucrose.phosphorylase.



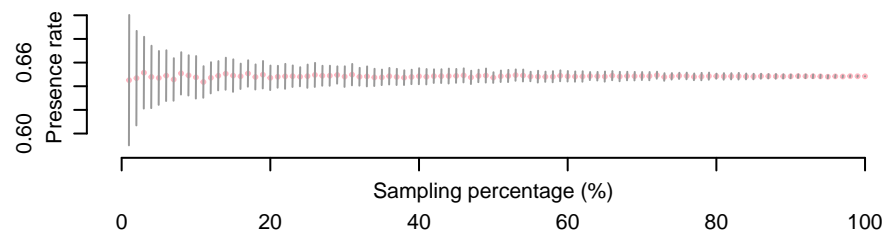
PWY.5464..superpathway.of.cytosolic.glycolysis..plants...pyruvate.dehydrogenase.and.TCA.cycle



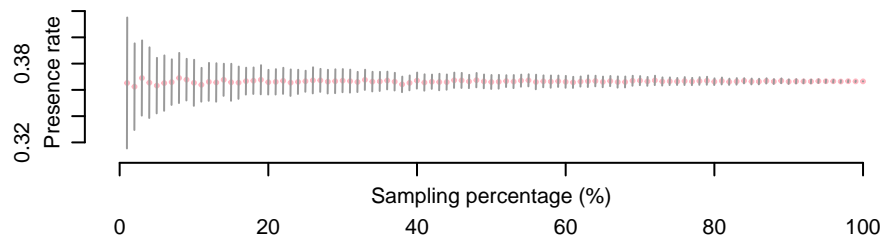
PWY.5484..glycolysis.II..from.fructose.6.phosphate.



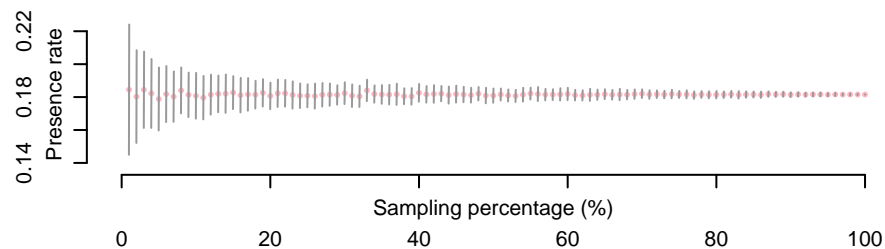
PWY.5505..L.glutamate.and.L.glutamine.biosynthesis



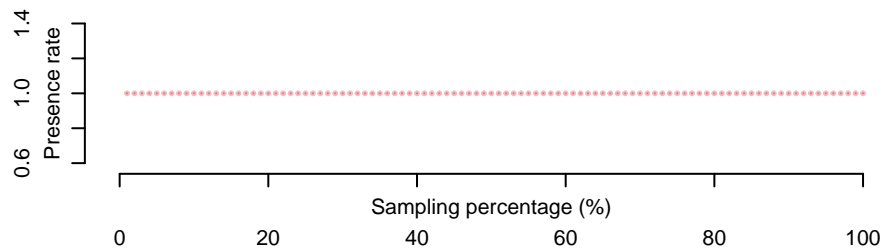
PWY.561..superpathway.of.glyoxylate.cycle.and.fatty.acid.degradation



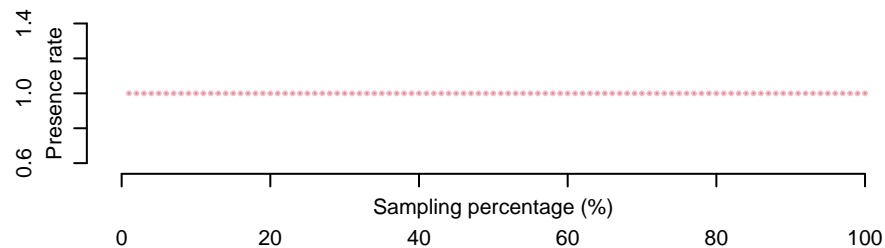
PWY.5656..mannosylglycerate.biosynthesis.I



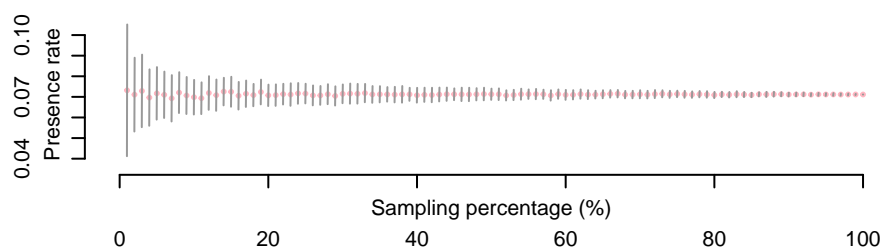
PWY.5659..GDP.mannose.biosynthesis



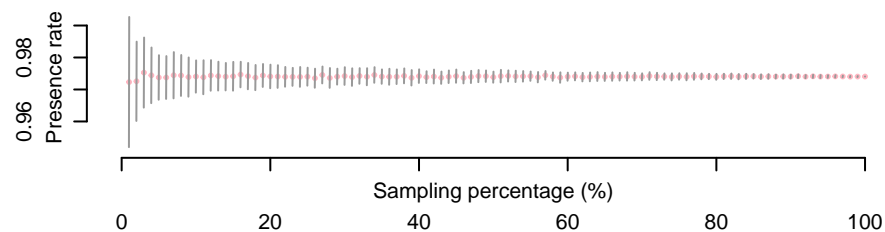
PWY.5667..CDP.diacylglycerol.biosynthesis.I



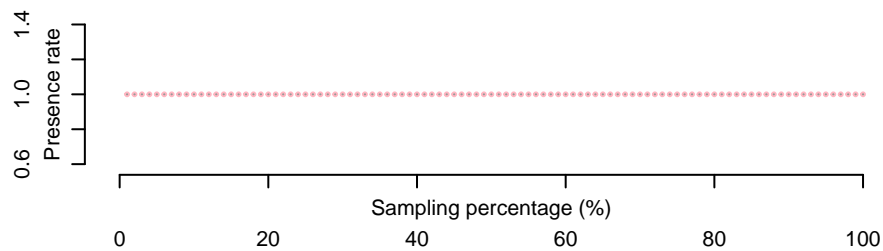
PWY.5675..nitrate.reduction.V..assimilatory.



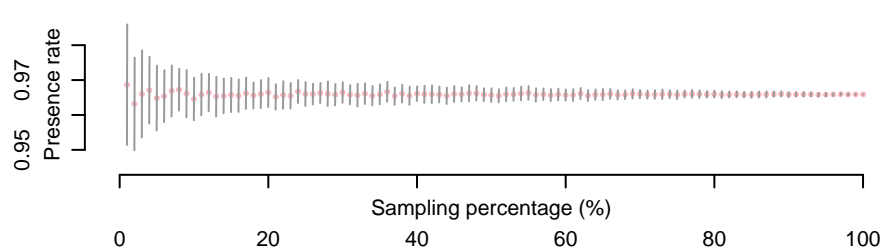
PWY.5676..acetyl.CoA.fermentation.to.butanoate.II



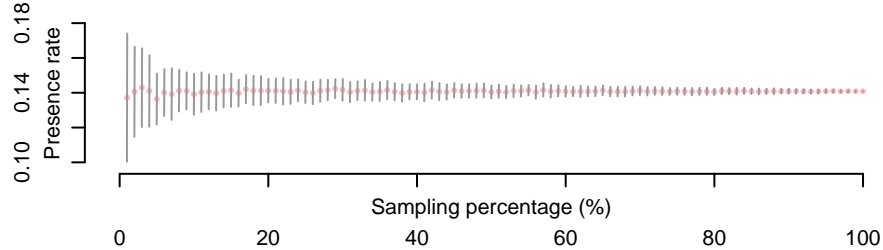
PWY.5686..UMP.biosynthesis



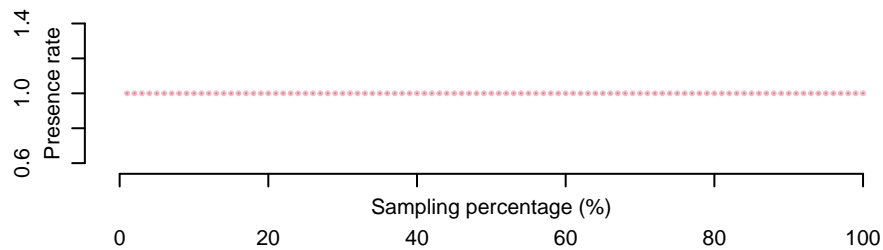
PWY.5690..TCA.cycle.II..plants.and.fungi.



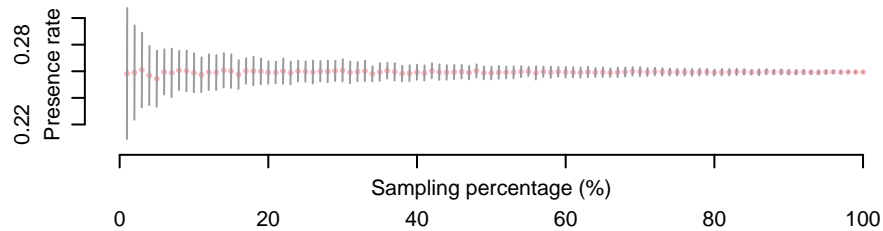
PWY.5692..allantoin.degradation.to.glyoxylate.II



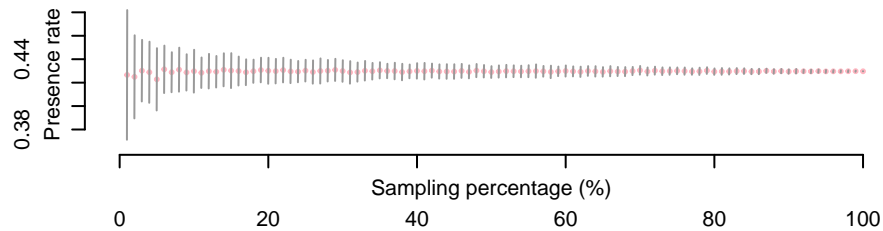
PWY.5695..urate.biosynthesis.inosine.5..phosphate.degradation



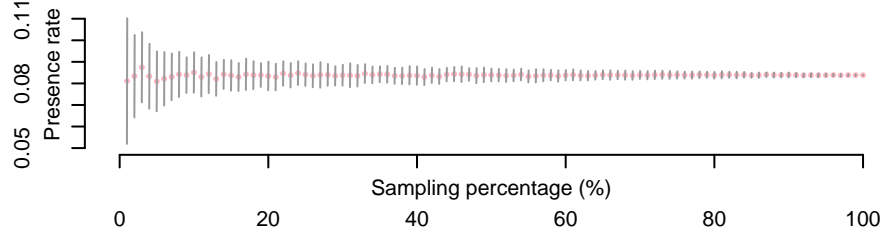
PWY.5705..allantoin.degradation.to.glyoxylate.III



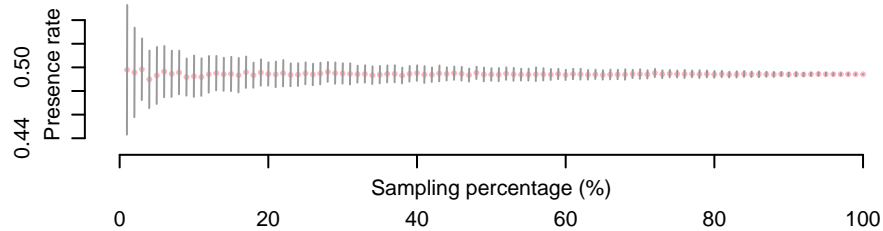
PWY.5723..Rubisco.shunt



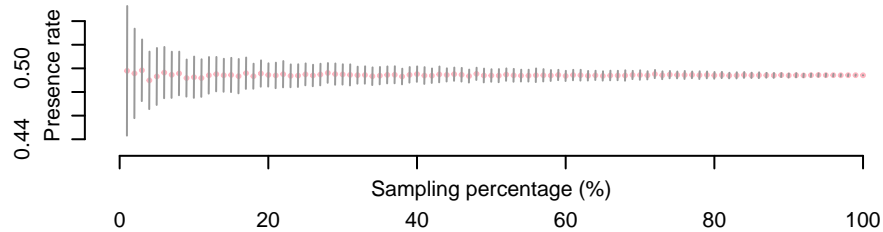
PWY.5747..2.methylcitrate.cycle.II



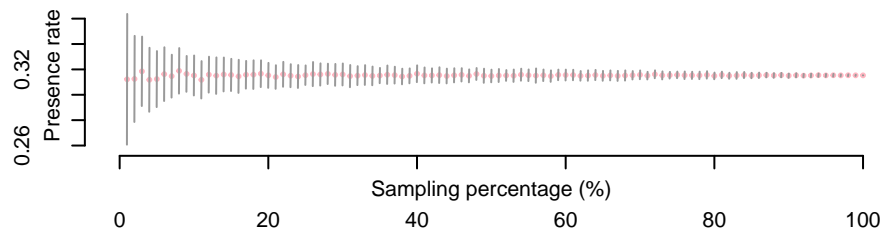
PWY.5791..1.4.dihydroxy.2.naphthoate.biosynthesis.II..plants.



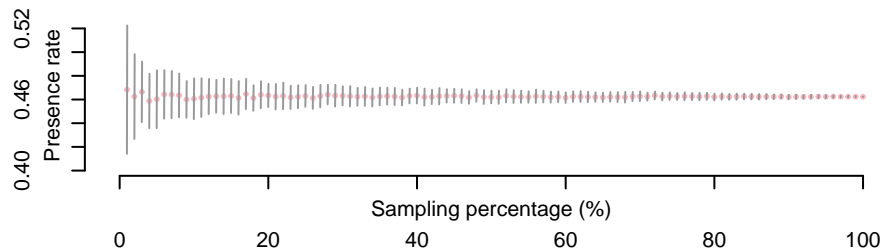
PWY.5837..1.4.dihydroxy.2.naphthoate.biosynthesis.I



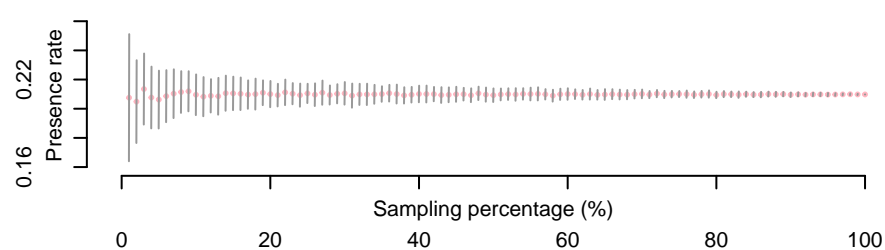
PWY.5838..superpathway.of.menaquinol.8.biosynthesis.I



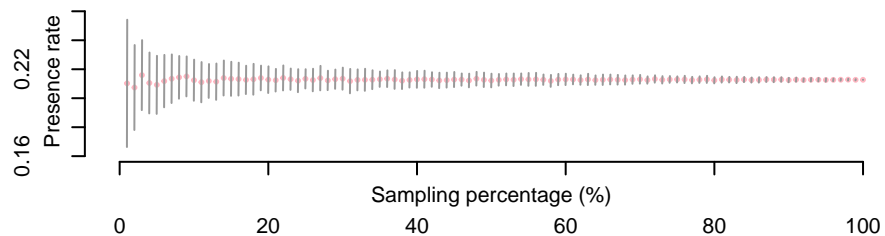
PWY.5840..superpathway.of.menaquinol.7.biosynthesis



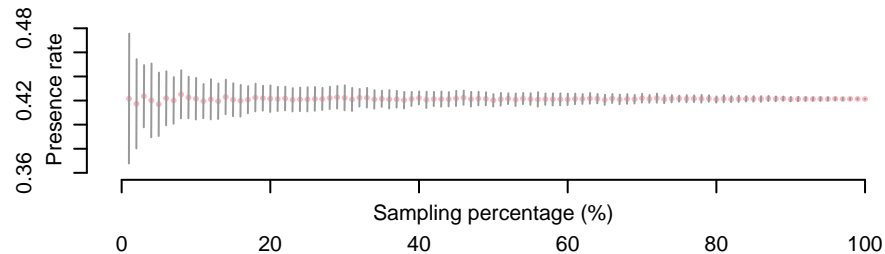
PWY.5845..superpathway.of.menaquinol.9.biosynthesis



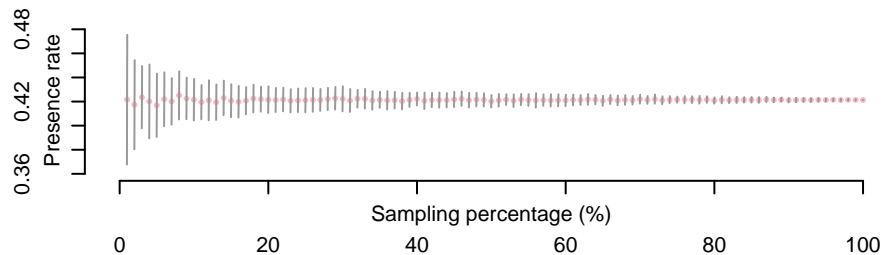
PWY.5850..superpathway.of.menaquinol.6.biosynthesis.I



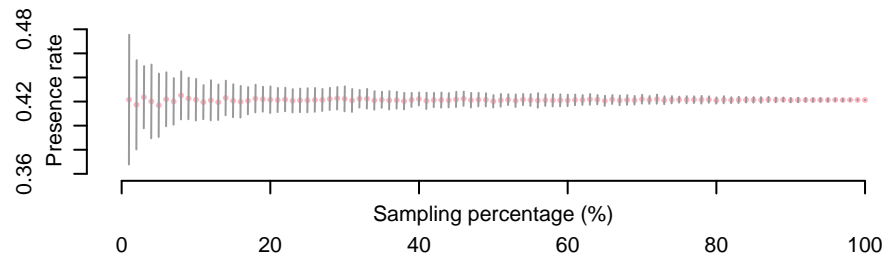
PWY.5855..ubiquinol.7.biosynthesis..prokaryotic.



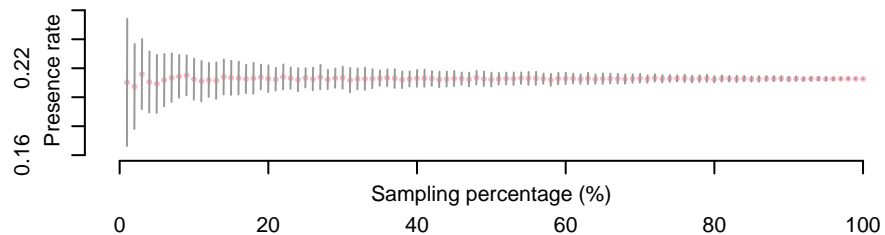
PWY.5856..ubiquinol.9.biosynthesis..prokaryotic.



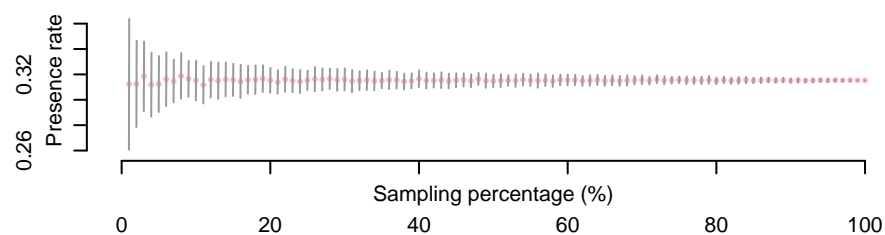
PWY.5857..ubiquinol.10.biosynthesis..prokaryotic.



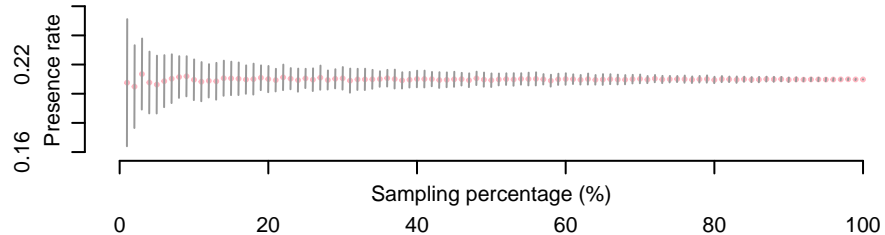
PWY.5860..superpathway.of.demethylmenaquinol.6.biosynthesis.I



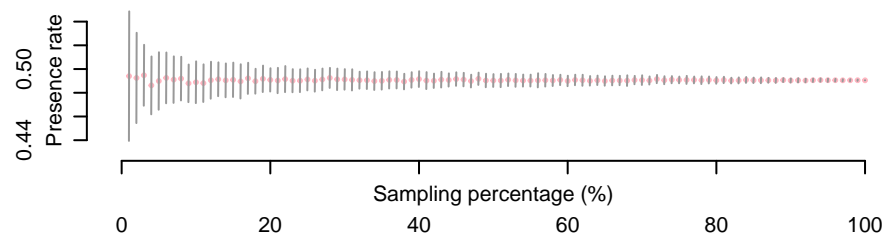
PWY.5861..superpathway.of.demethylmenaquinol.8.biosynthesis



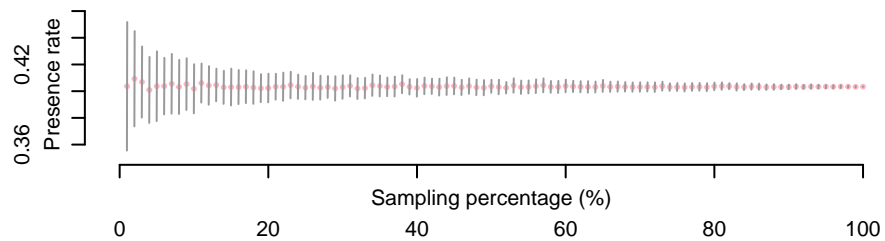
PWY.5862..superpathway.of.demethylmenaquinol.9.biosynthesis



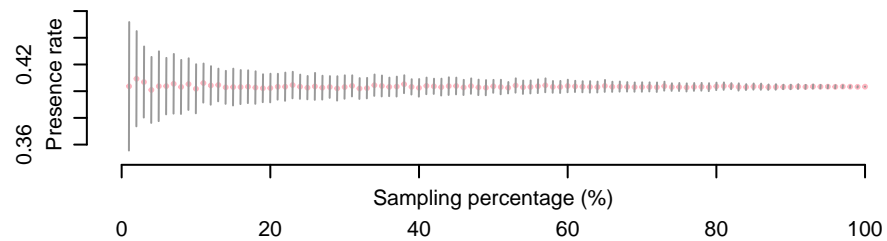
PWY.5863..superpathway.of.phylloquinol.biosynthesis



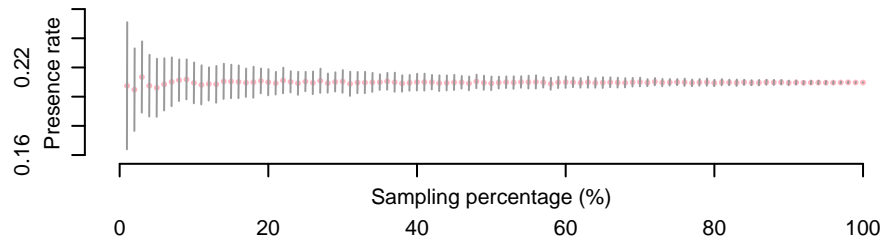
PWY.5871..ubiquinol.9.biosynthesis..eukaryotic.



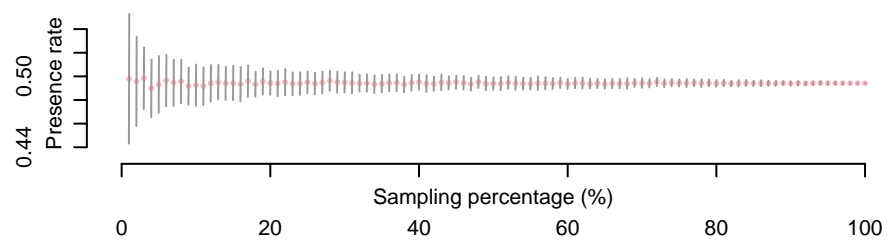
PWY.5873..ubiquinol.7.biosynthesis..eukaryotic.



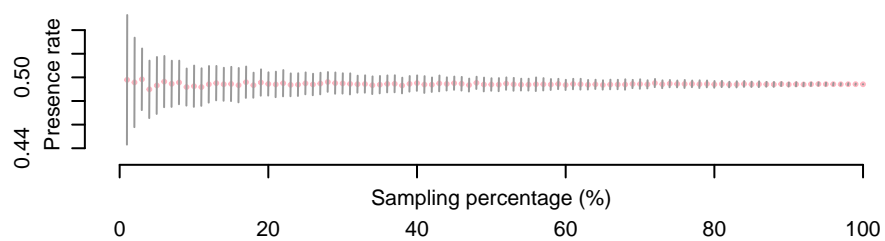
PWY.5896..superpathway.of.menaquinol.10.biosynthesis



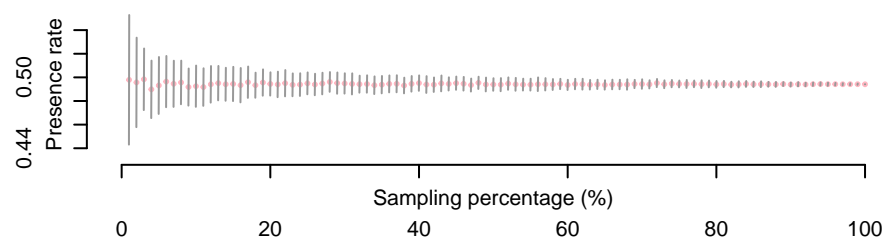
PWY.5897..superpathway.of.menaquinol.11.biosynthesis



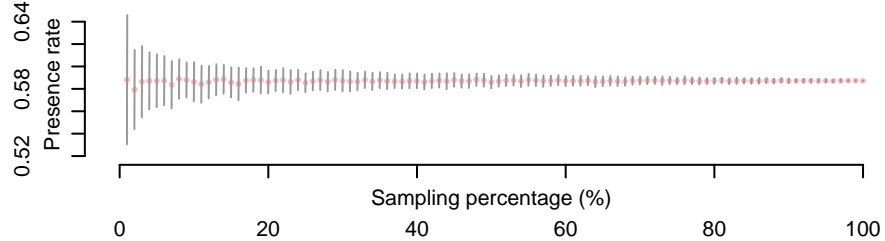
PWY.5898..superpathway.of.menaquinol.12.biosynthesis



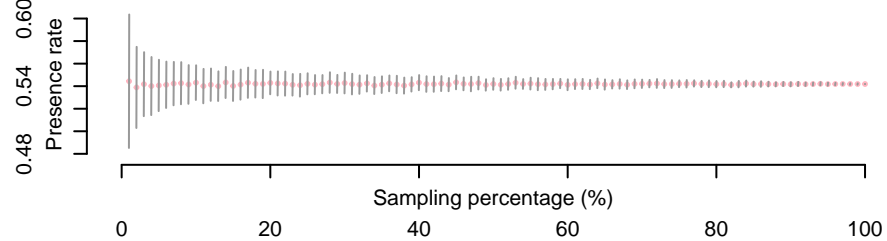
PWY.5899..superpathway.of.menaquinol.13.biosynthesis



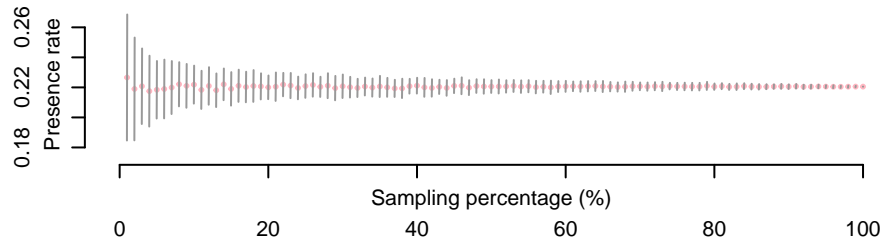
PWY.5913..TCA.cycle.VI..obligate.autotrophs.



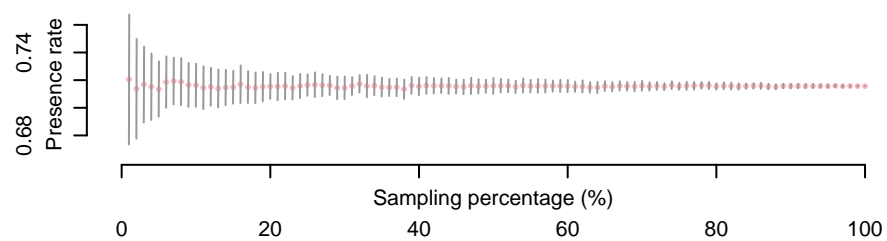
PWY.5918..superpathway.of.heme.biosynthesis.from.glutamate



PWY.5920..superpathway.of.heme.biosynthesis.from.glycine

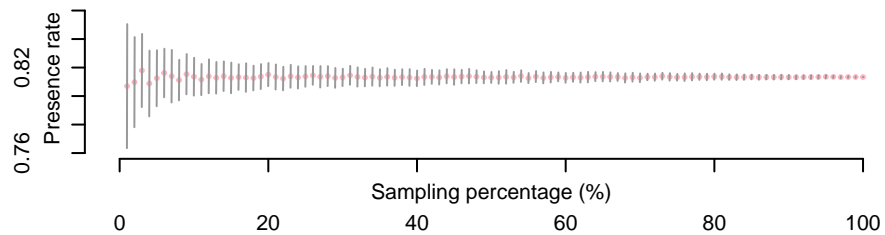


PWY.5941..glycogen.degradation.II..eukaryotic.

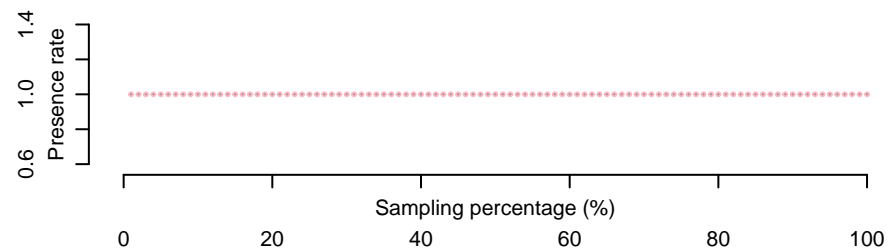




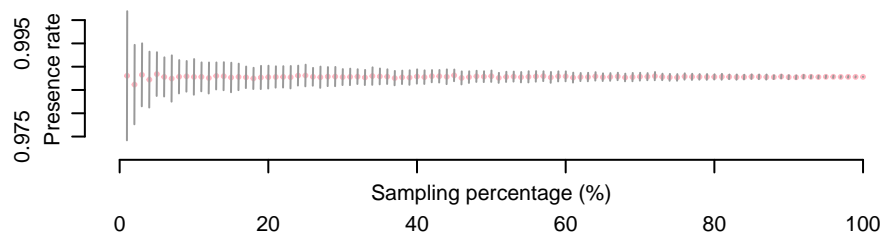
PWY.5971..palmitate.biosynthesis.II..bacteria.and.plants.



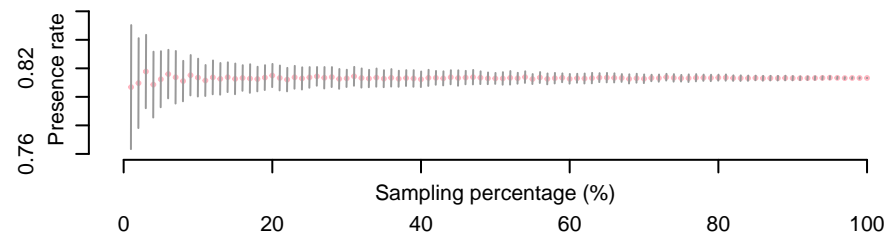
PWY.5973..cis.vaccenate.biosynthesis



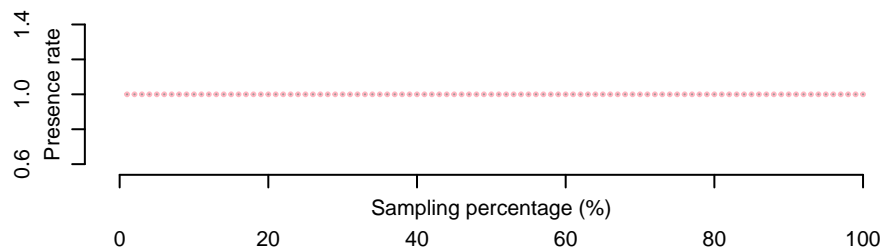
PWY.5989..stearate.biosynthesis.II..bacteria.and.plants.



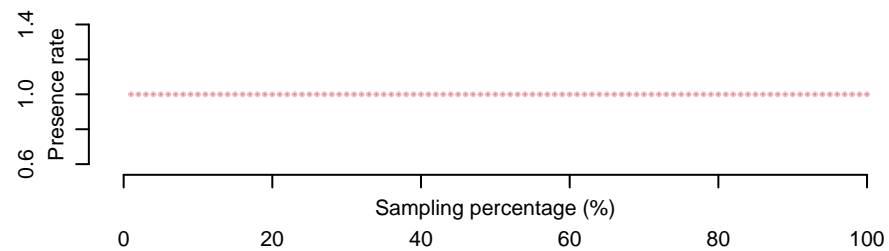
PWY.6113..superpathway.of.mycolate.biosynthesis



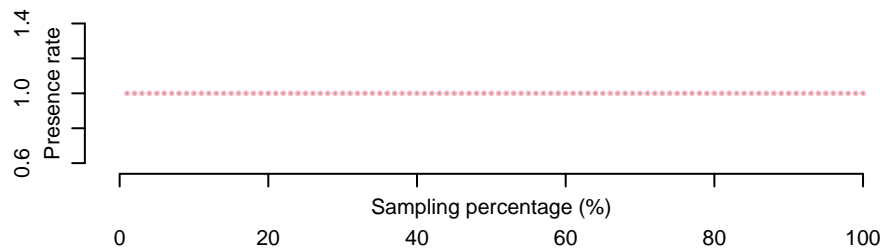
PWY.6121..5.aminoimidazole.ribonucleotide.biosynthesis.I



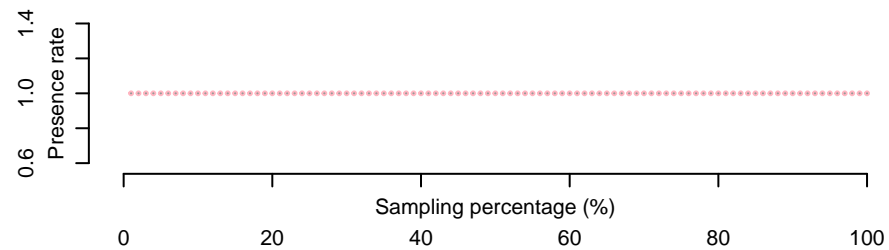
PWY.6122..5.aminoimidazole.ribonucleotide.biosynthesis.II



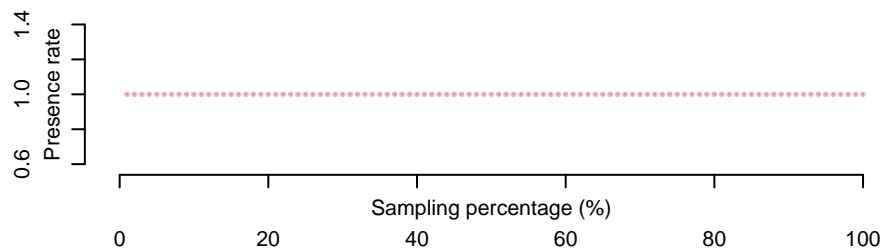
PWY.6123..inosine.5..phosphate.biosynthesis.I



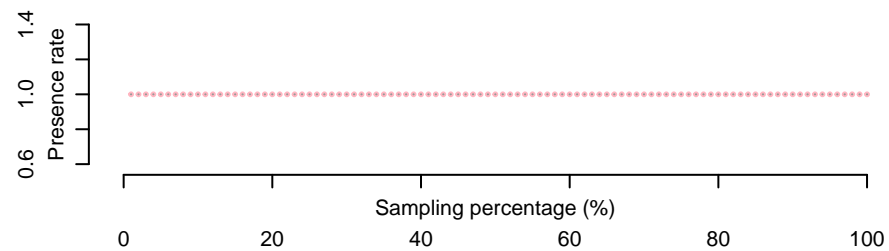
PWY.6124..inosine.5..phosphate.biosynthesis.II



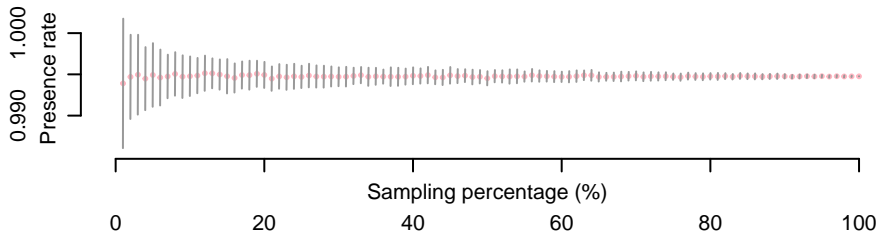
PWY.6125..superpathway.of.guanosine.nucleotides.de.novo.biosynthesis.II



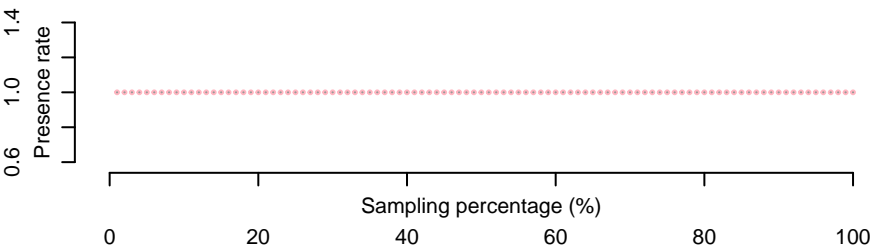
PWY.6126..superpathway.of.adenosine.nucleotides.de.novo.biosynthesis.II



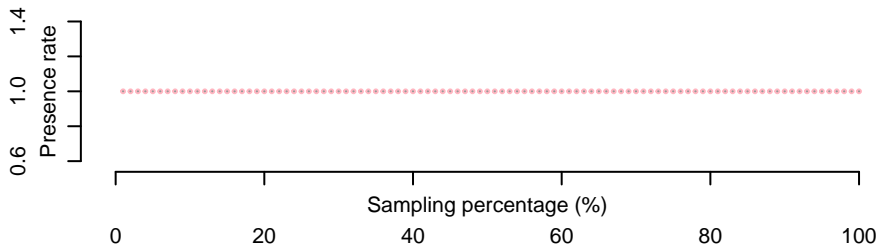
PWY.6147..6.hydroxymethyl.dihydropterin.diphosphate.biosynthesis.I



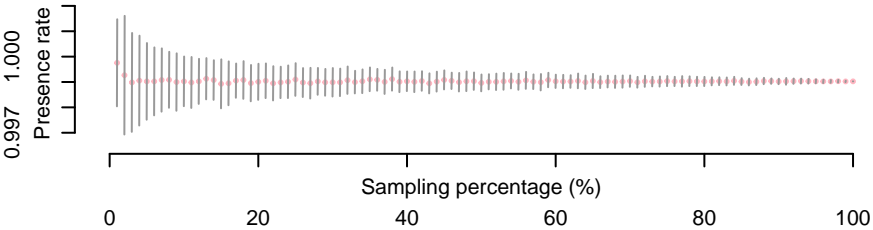
PWY.6151..S.adenosyl.L.methionine.cycle.I



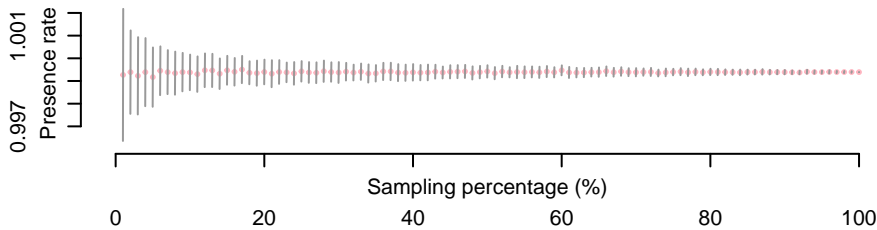
PWY.6163..chorismate.biosynthesis.from.3.dehydroquinate



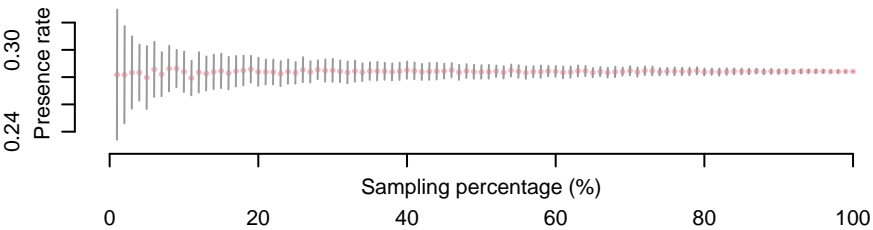
PWY.6168..flavin.biosynthesis.III..fungi.



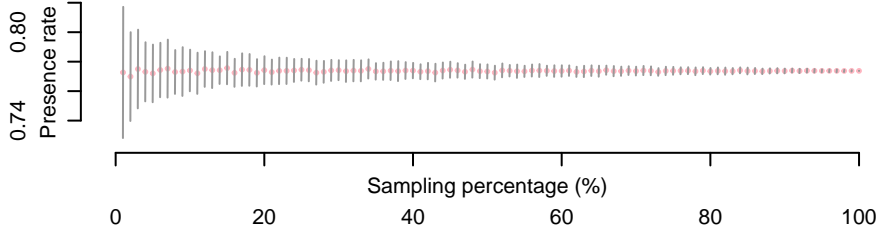
PWY.621..sucrose.degradation.III..sucrose.invertase.



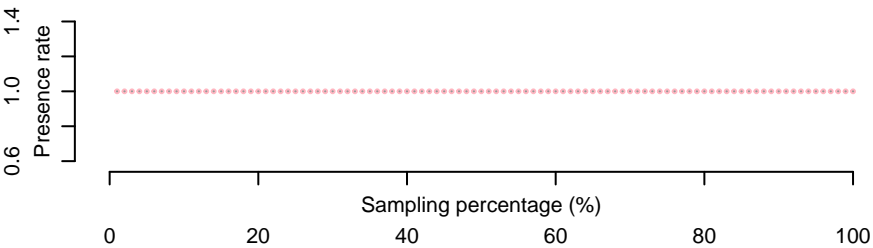
PWY.6263..superpathway.of.menaquinol.8.biosynthesis.II



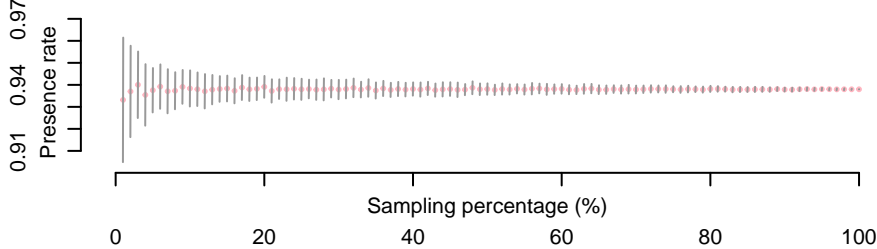
PWY.6270..isoprene.biosynthesis.I



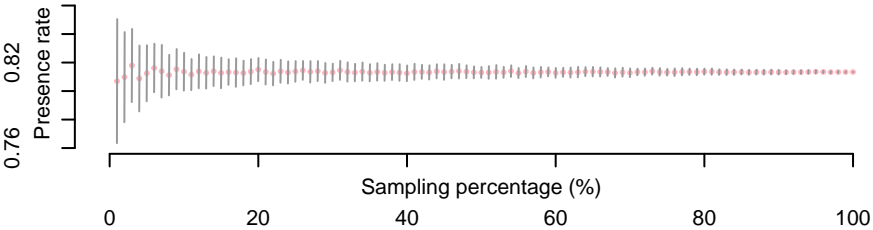
PWY.6277..superpathway.of.5.aminoimidazole.ribonucleotide.biosynthesis



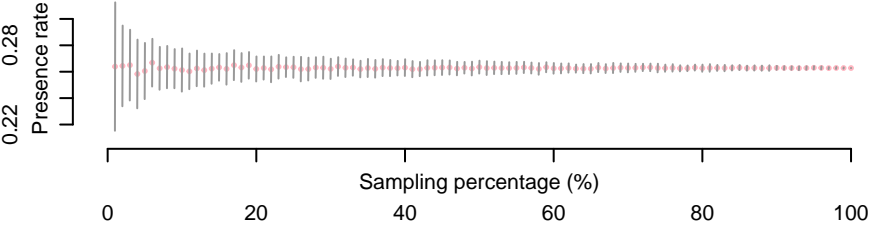
PWY.6282..palmitoleate.biosynthesis.I..from..5Z..dodec.5.enoate.



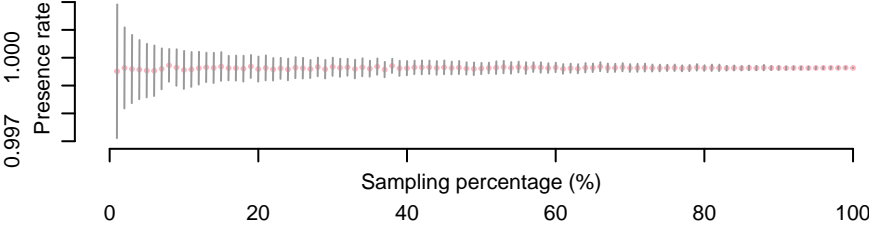
PWY.6284..superpathway.of.unsaturated.fatty.acids.biosynthesis..E..coli.



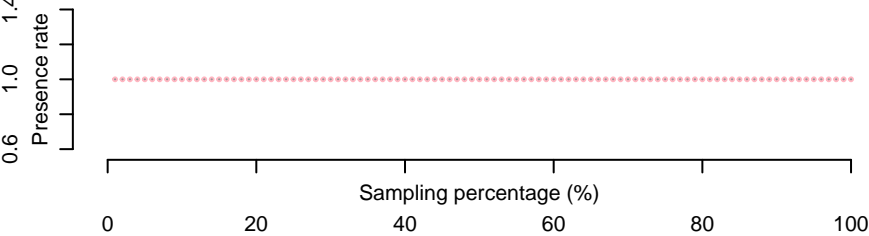
PWY.6285..superpathway.of.fatty.acids.biosynthesis..E..coli.



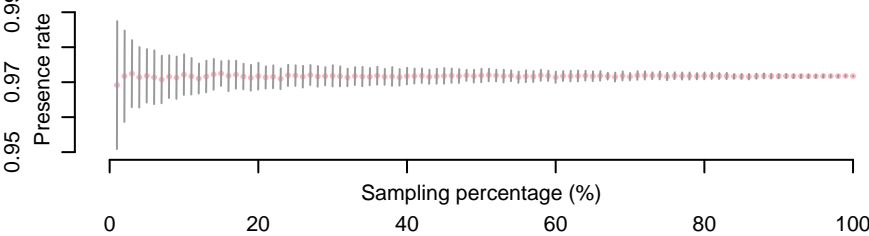
PWY.6305..putrescine.biosynthesis.IV



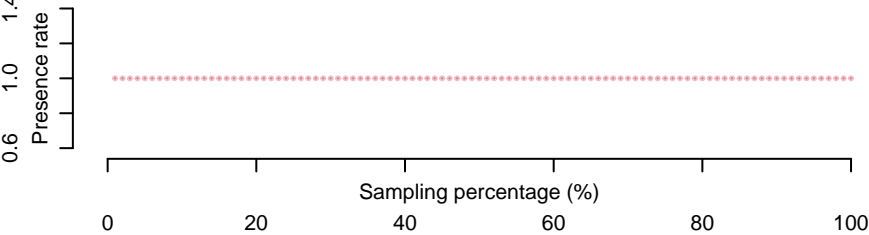
PWY.6317..galactose.degradation.I..Leloir.pathway.



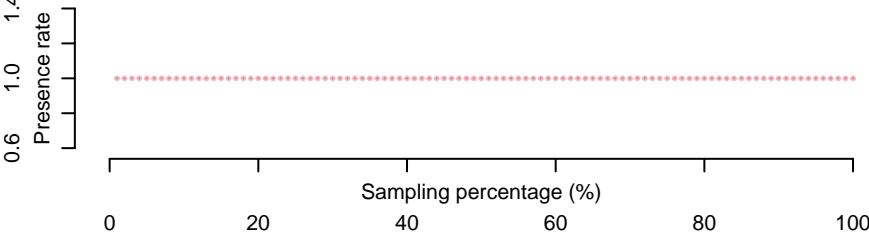
PWY.6353..purine.nucleotides.degradation.II..aerobic.



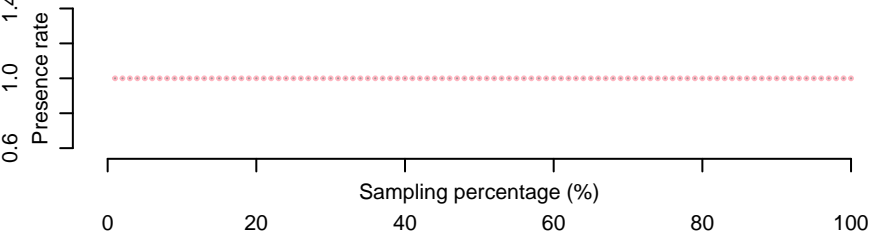
PWY.6385..peptidoglycan.biosynthesis.III..mycobacteria.



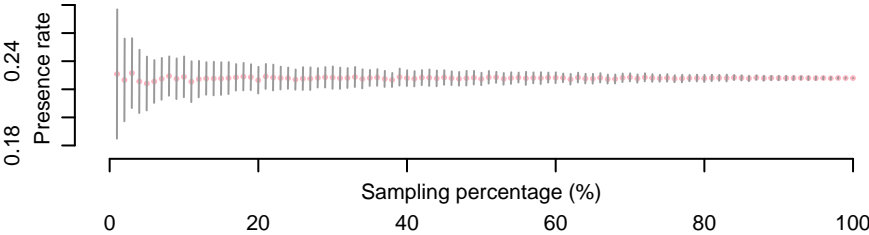
PWY.6386..UDP.N.acetylmutamoyl.pentapeptide.biosynthesis.II..lysine.containing.



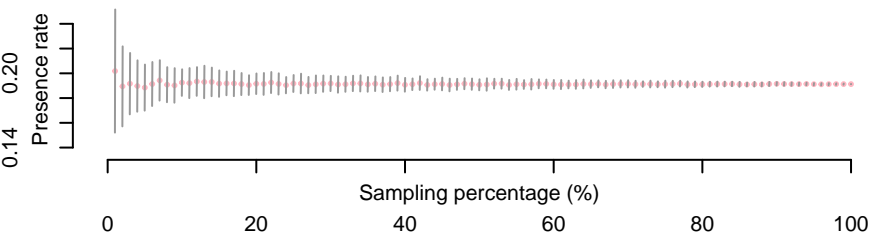
PWY.6387..UDP.N.acetylmutamoyl.pentapeptide.biosynthesis.I..meso.diaminopimelate.containing.



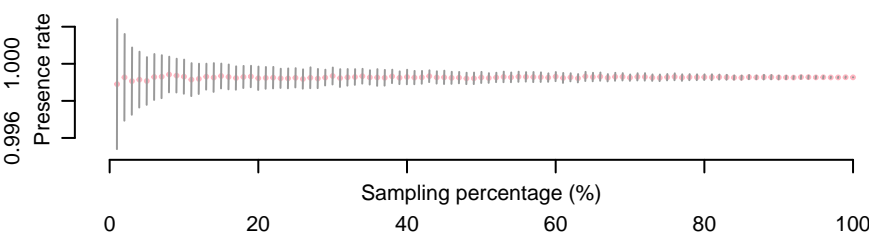
PWY.6415..L.ascorbate.biosynthesis.V



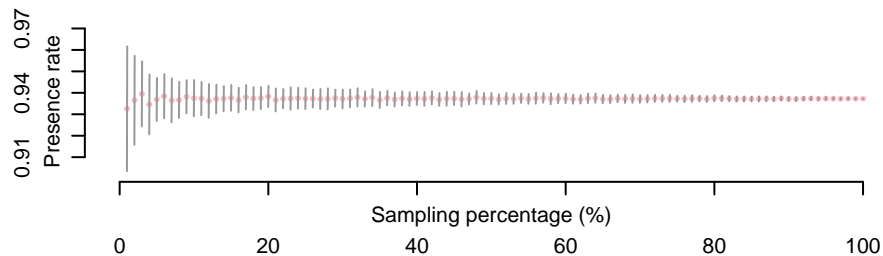
PWY.6471..peptidoglycan.biosynthesis.IV..Enterococcus.faecium.



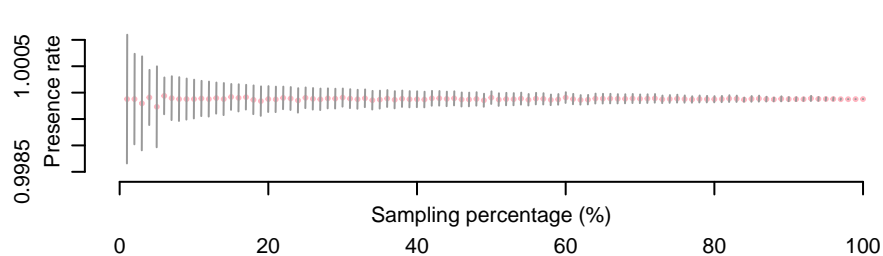
PWY.6507..4.deoxy.L.threo.hex.4.enopyranuronate.degradation



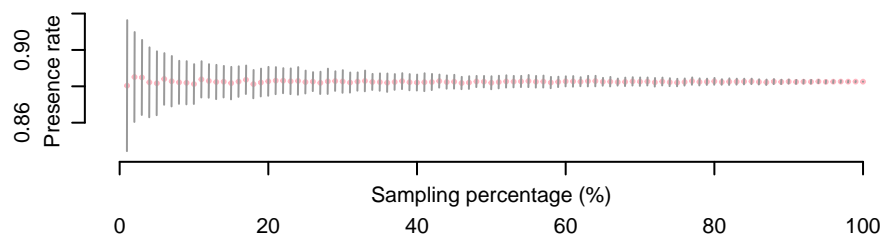
PWY.6519..8.amino.7.oxononanoate.biosynthesis.I



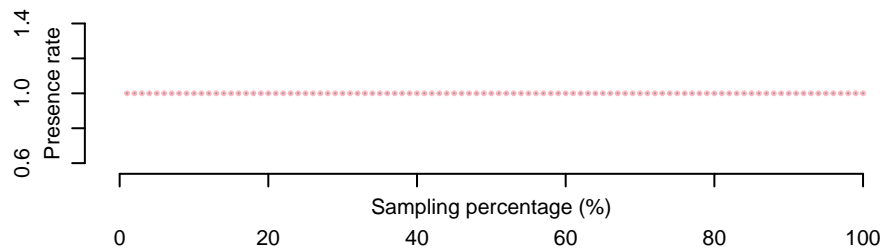
PWY.6527..stachyose.degradation



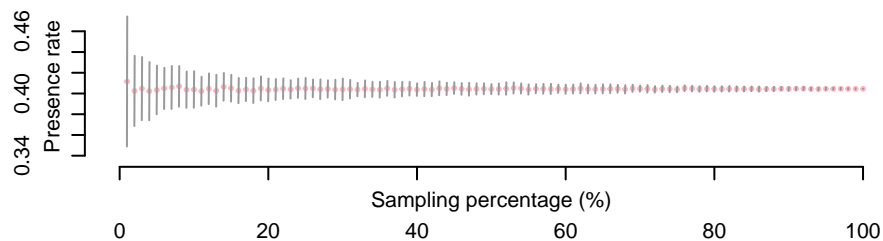
PWY.6531..mannitol.cycle



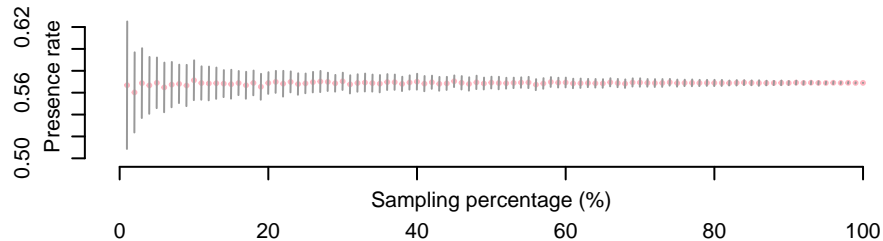
PWY.6545..pyrimidine.deoxyribonucleotides.de.novo.biosynthesis.III



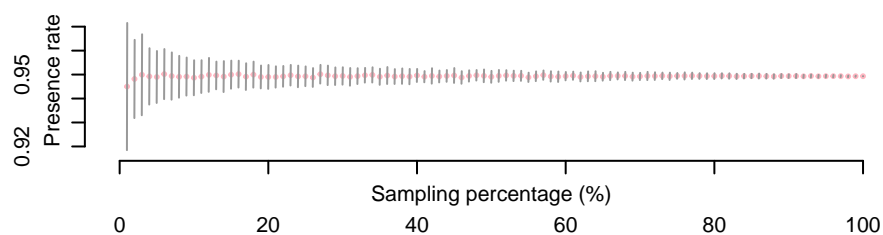
PWY.6549..L.glutamine.biosynthesis.III



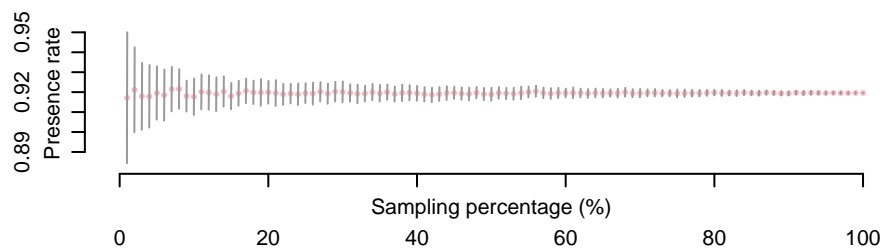
PWY.6588..pyruvate.fermentation.to.acetone



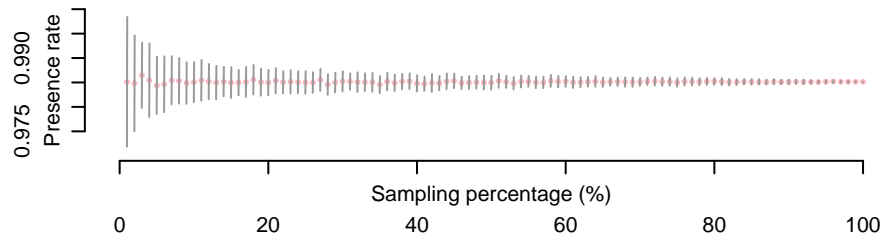
PWY.6590..superpathway.of.Clostridium.acetobutylicum.acidogenic.fermentation



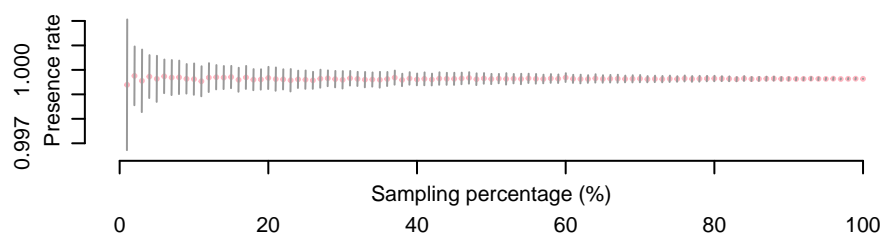
PWY.6595..superpathway.of.guanosine.nucleotides.degradation..plants.



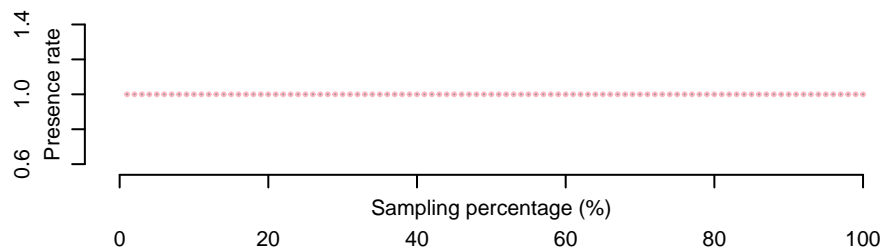
PWY.6606..guanosine.nucleotides.degradation.II



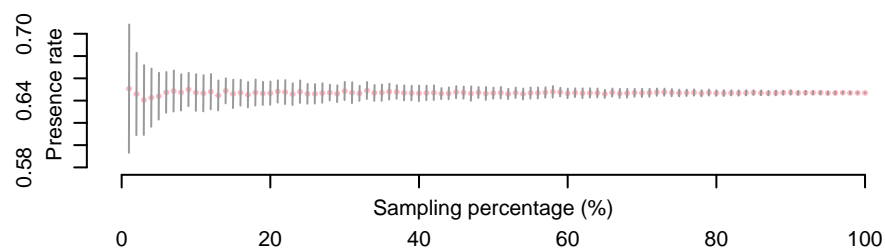
PWY.6608..guanosine.nucleotides.degradation.III



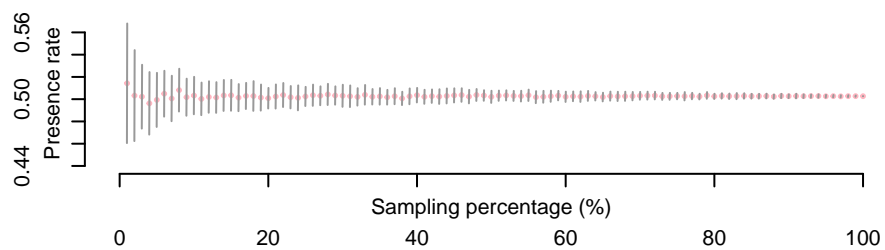
PWY.6609..adenine.and.adenosine.salvage.III



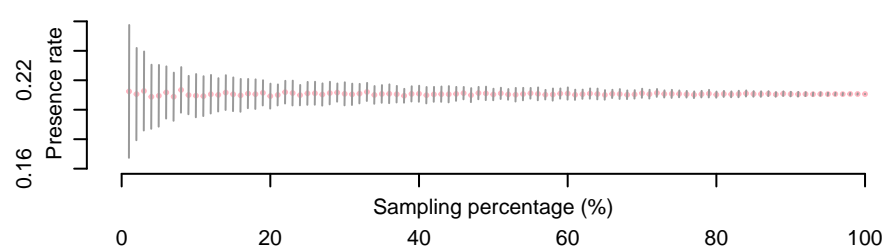
PWY.6612..superpathway.of.tetrahydrofolate.biosynthesis



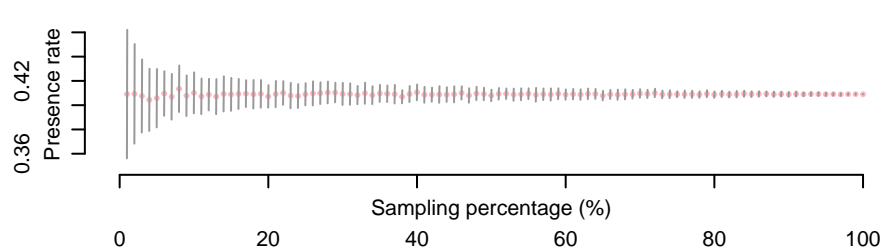
PWY.6628..superpathway.of.L.phenylalanine.biosynthesis



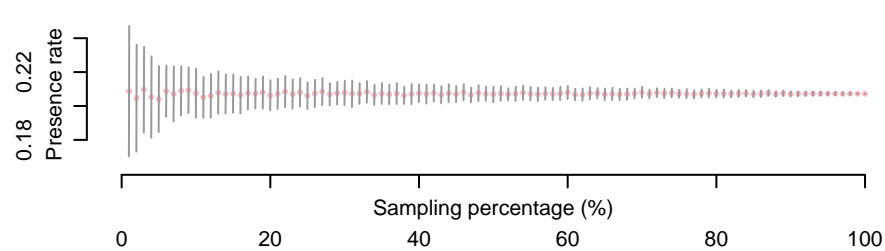
PWY.6629..superpathway.of.L.tryptophan.biosynthesis



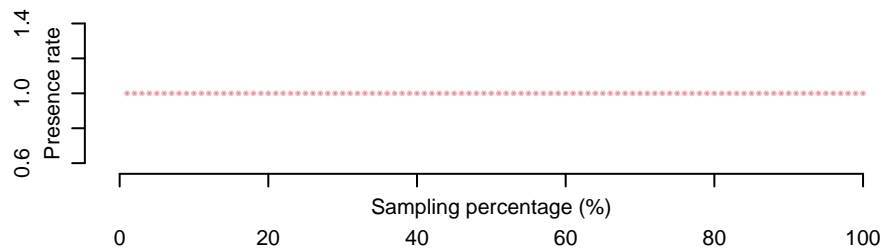
PWY.6630..superpathway.of.L.tyrosine.biosynthesis



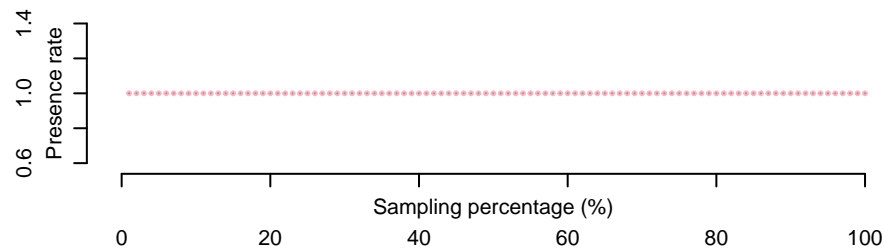
PWY.6690..cinnamate.and.3.hydroxycinnamate.degradation.to.2.oxopent.4.enoate



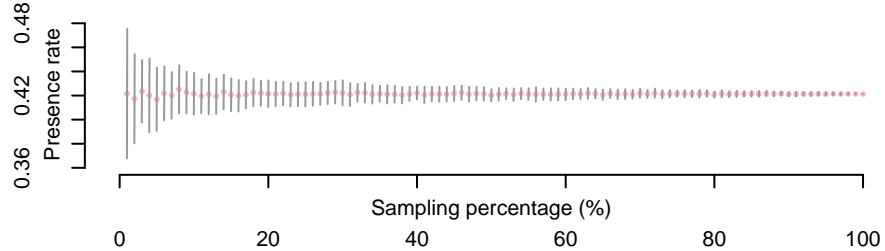
PWY.6700..queuosine.biosynthesis



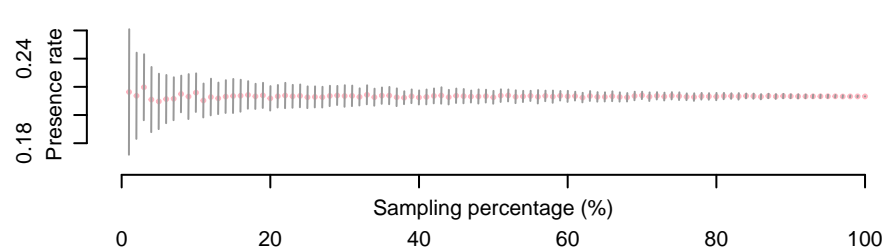
PWY.6703..preQ0.biosynthesis



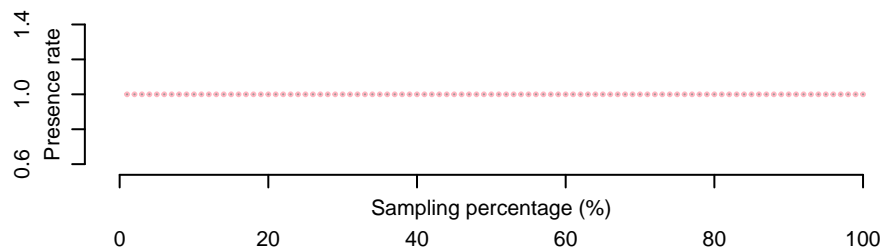
PWY.6708..ubiquinol.8.biosynthesis..prokaryotic.



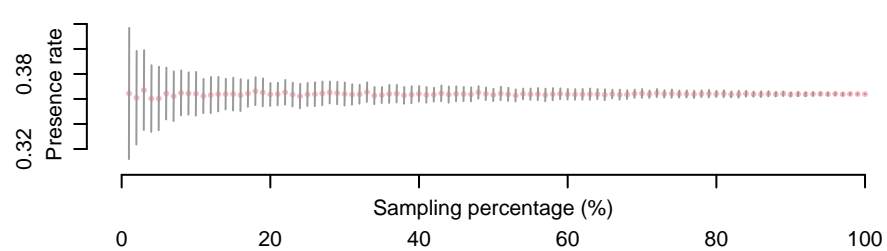
PWY.6731..starch.degradation.III



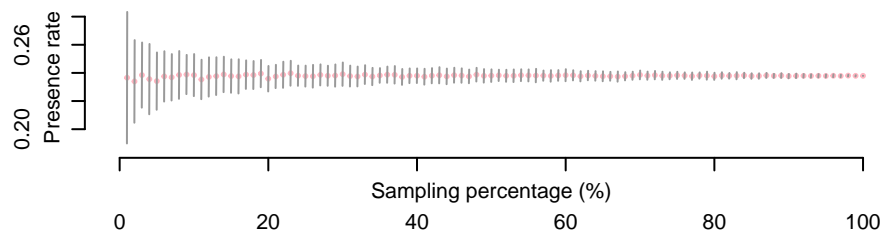
PWY.6737..starch.degradation.V



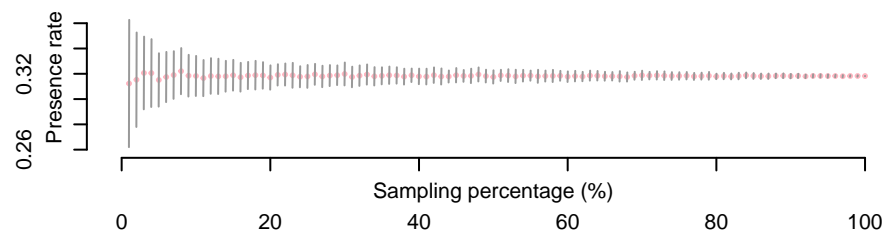
PWY.6803..phosphatidylcholine.acyl.editing



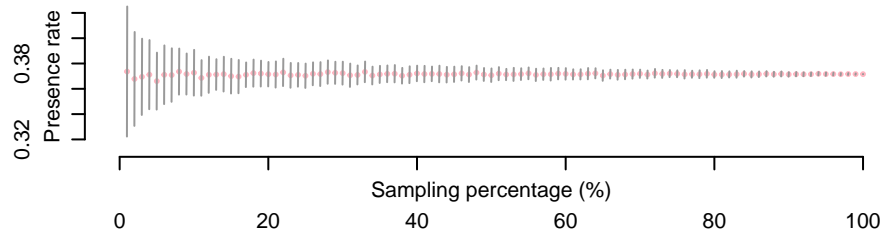
PWY.6823..molybdenum.cofactor.biosynthesis



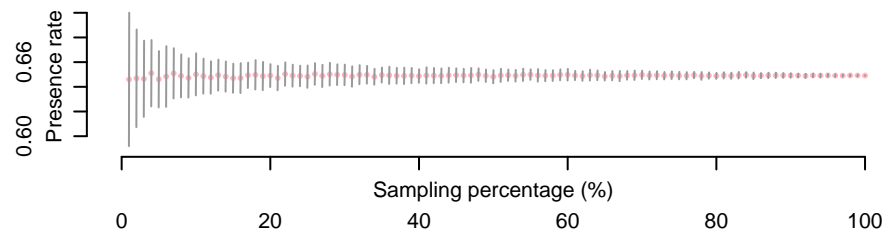
PWY.6859..all.trans.farnesol.biosynthesis



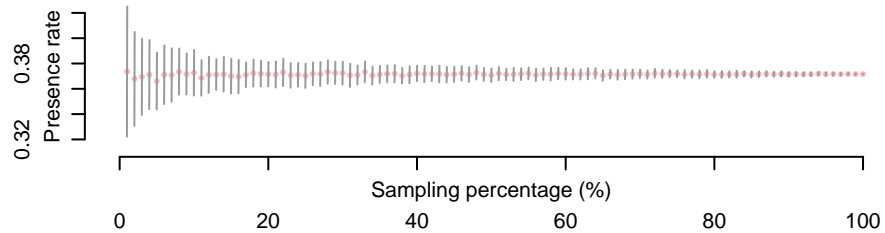
PWY.6891..thiazole.biosynthesis.II..Bacillus.



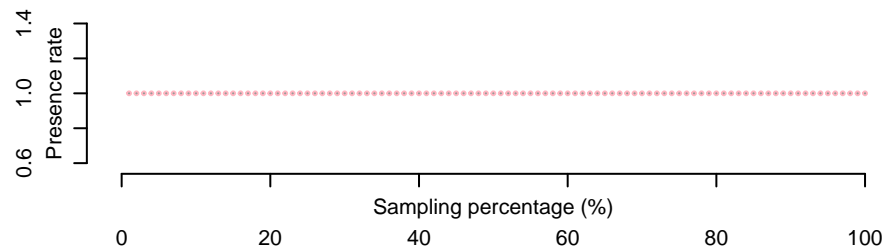
PWY.6892..thiazole.biosynthesis.I..E..coli.



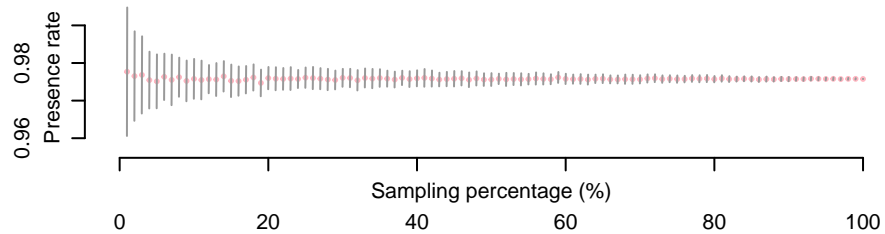
PWY.6895..superpathway.of.thiamin.diphosphate.biosynthesis.II



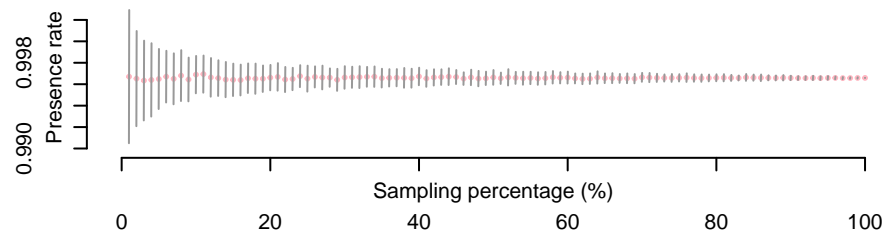
PWY.6897..thiamin.salvage.II



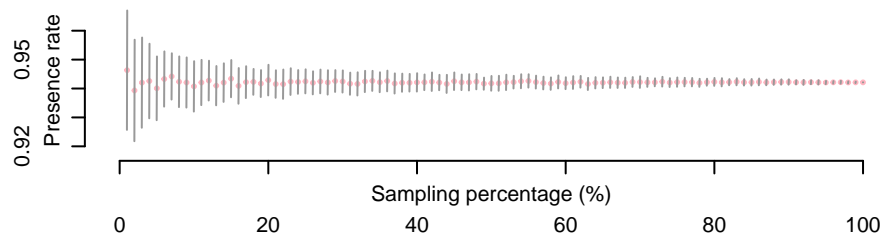
PWY.6901..superpathway.of.glucose.and.xylose.degradation



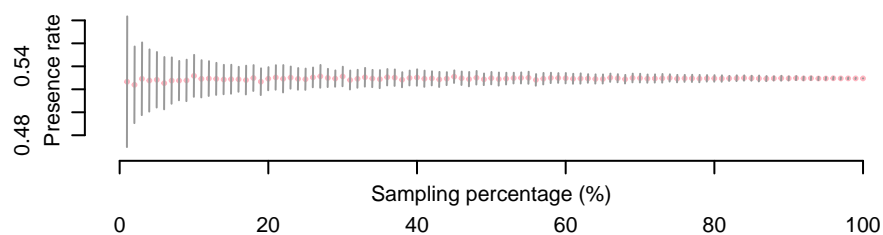
PWY.6936..seleno.amino.acid.biosynthesis



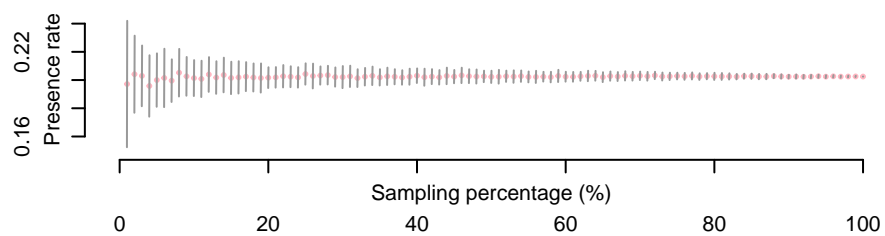
PWY.6969..TCA.cycle.V.2.oxoglutarate.ferredoxin.oxidoreductase.



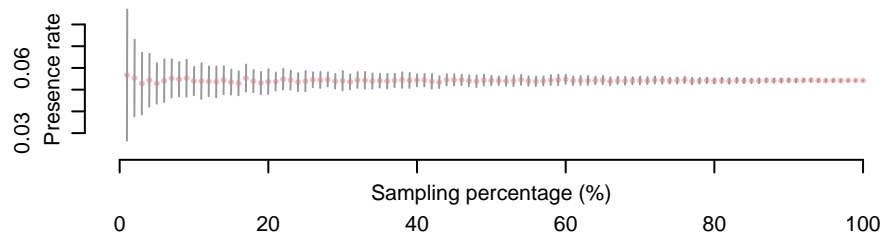
PWY.7003..glycerol.degradation.to.butanol



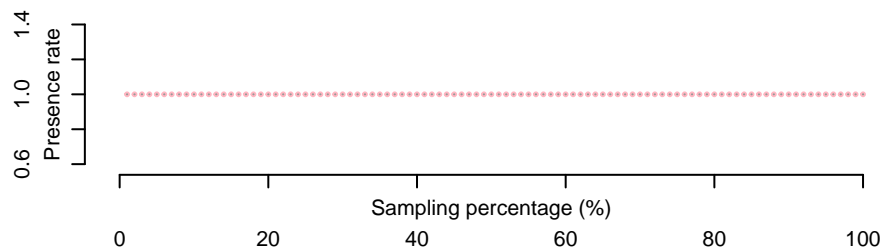
PWY.7013..L.1.2.propanediol.degradation



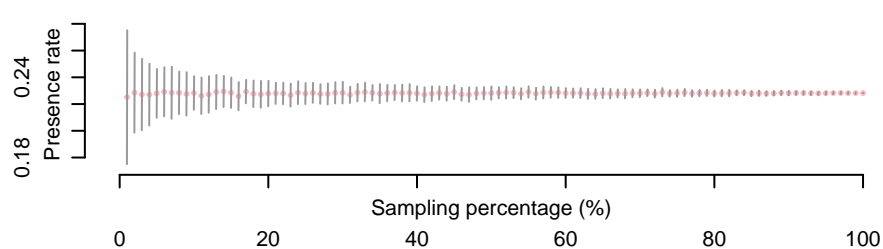
PWY.7039..phosphatidate.metabolism..as.a.signaling.molecule



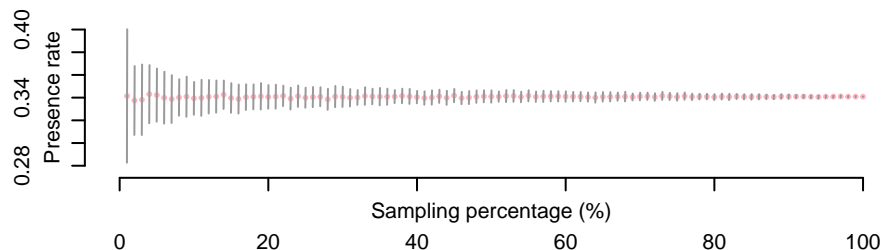
PWY.7111..pyruvate.fermentation.to.isobutanol..engineered.



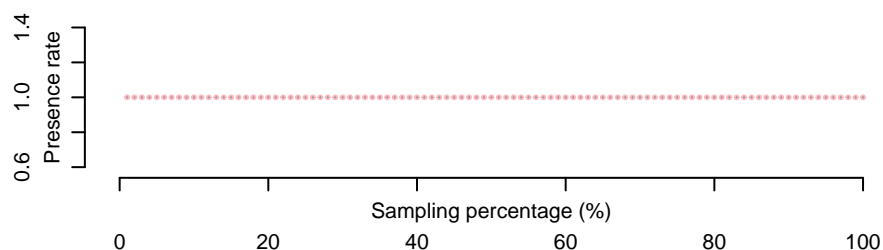
PWY.7115..C4.photosynthetic.carbon.assimilation.cycle..NAD.ME.type



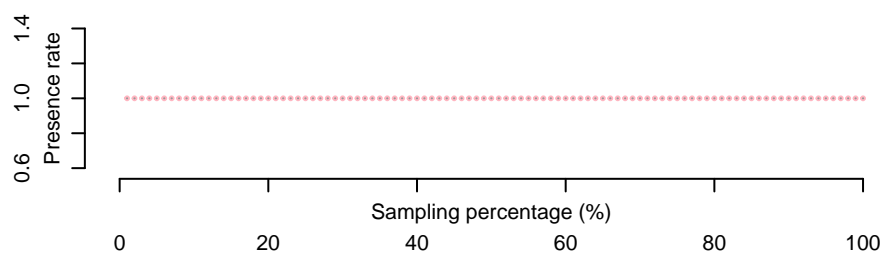
PWY.7117..C4.photosynthetic.carbon.assimilation.cycle..PEPCK.type



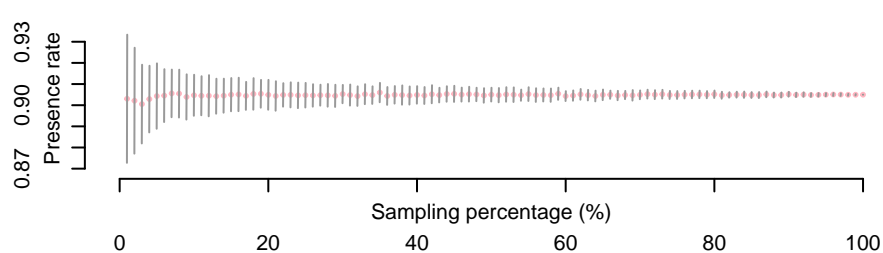
PWY.7184..pyrimidine.deoxyribonucleotides.de.novo.biosynthesis.I



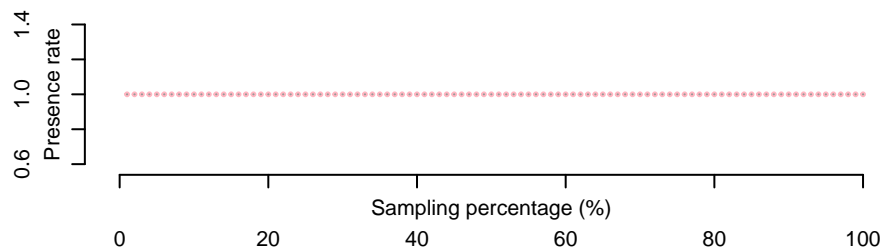
PWY.7187..pyrimidine.deoxyribonucleotides.de.novo.biosynthesis.II



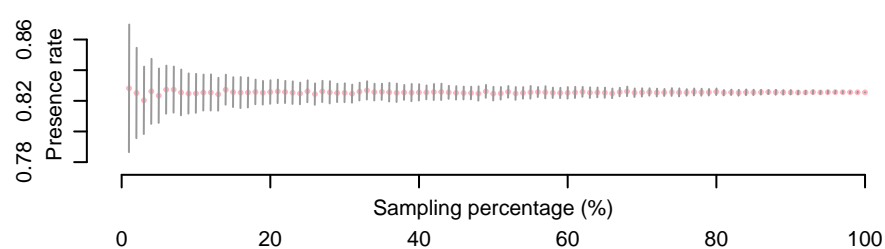
PWY.7196..superpathway.of.pyrimidine.ribonucleosides.salvage



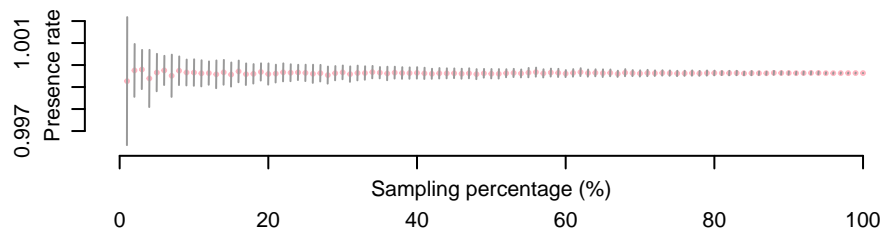
PWY.7197..pyrimidine.deoxyribonucleotide.phosphorylation



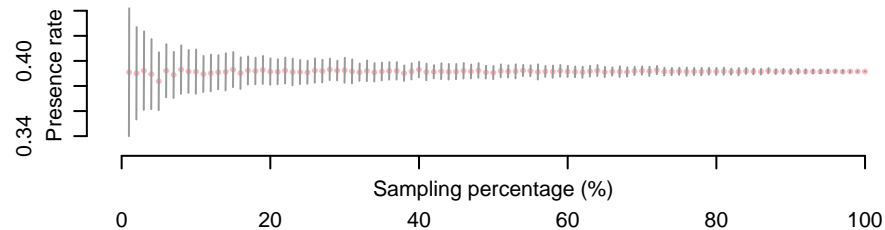
PWY.7198..pyrimidine.deoxyribonucleotides.de.novo.biosynthesis.IV



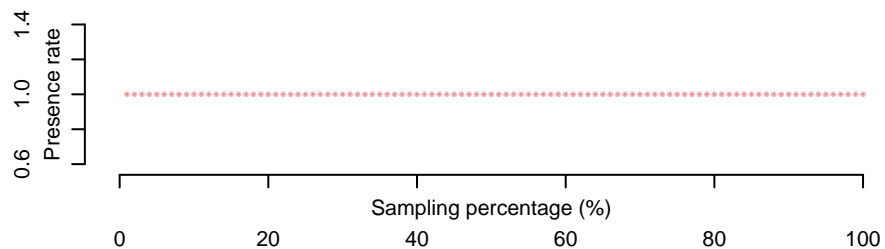
PWY.7199..pyrimidine.deoxyribonucleosides.salvage



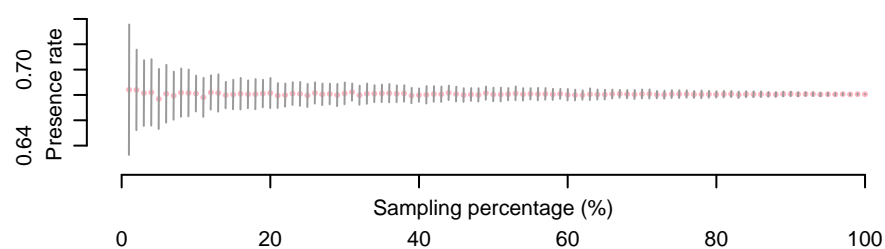
PWY.7204..pyridoxal.5..phosphate.salvage.II..plants.



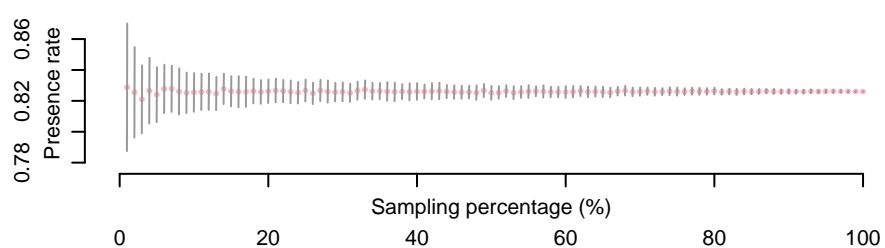
PWY.7208..superpathway.of.pyrimidine.nucleobases.salvage



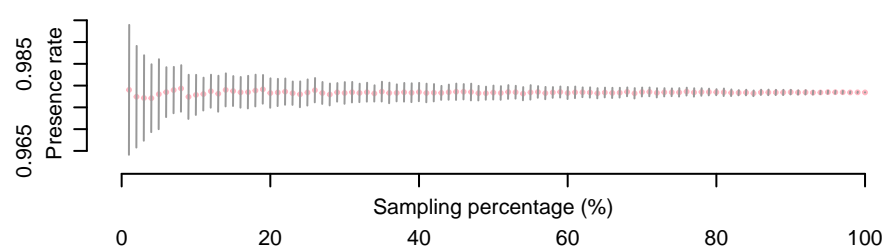
PWY.7209..superpathway.of.pyrimidine.ribonucleosides.degradation



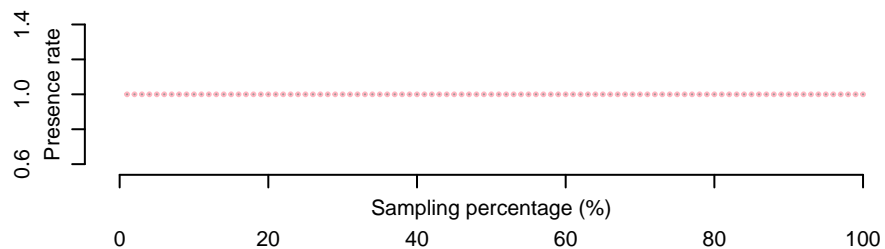
PWY.7210..pyrimidine.deoxyribonucleotides.biosynthesis.from.CTP



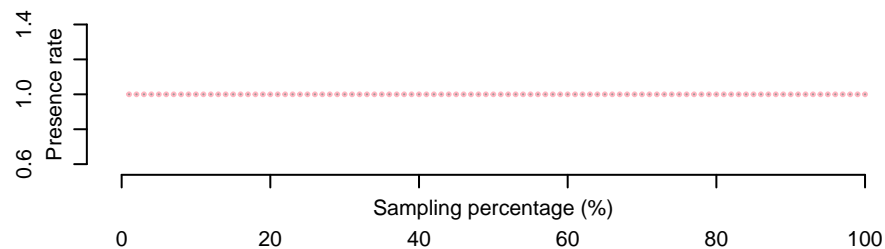
PWY.7211..superpathway.of.pyrimidine.deoxyribonucleotides.de.novo.biosynthesis



PWY.7219..adenosine.ribonucleotides.de.novo.biosynthesis

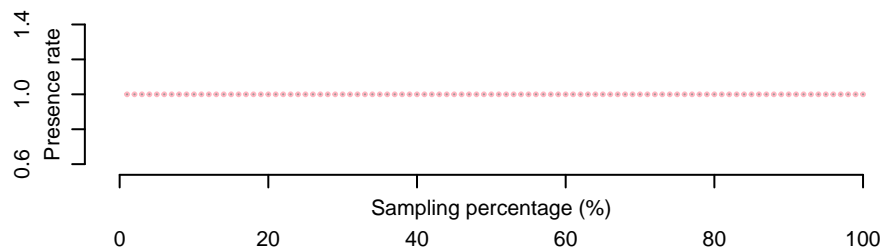


PWY.7220..adenosine.deoxyribonucleotides.de.novo.biosynthesis.II

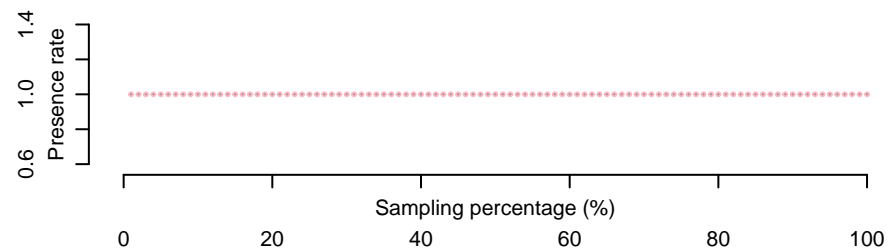




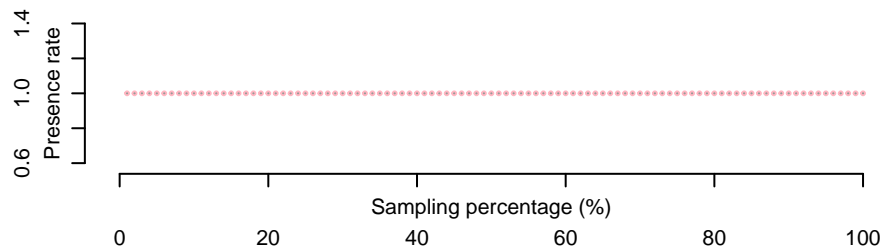
PWY.7221..guanosine.ribonucleotides.de.novo.biosynthesis



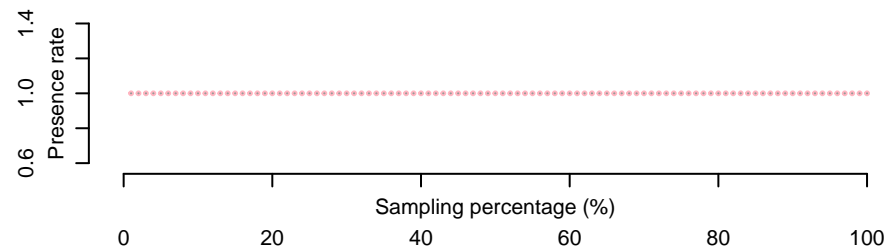
PWY.7222..guanosine.deoxyribonucleotides.de.novo.biosynthesis.II



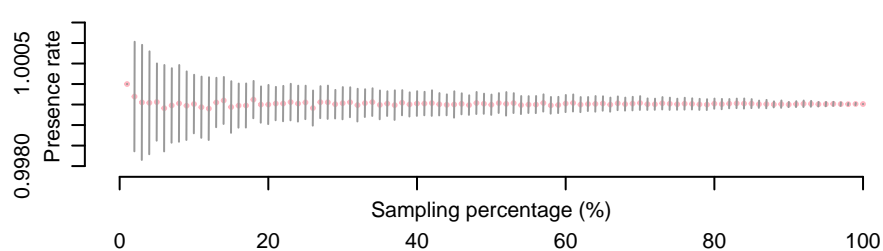
PWY.7228..superpathway.of.guanosine.nucleotides.de.novo.biosynthesis.I



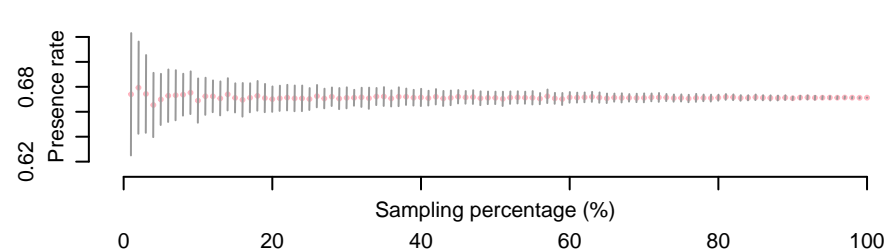
PWY.7229..superpathway.of.adenosine.nucleotides.de.novo.biosynthesis.I



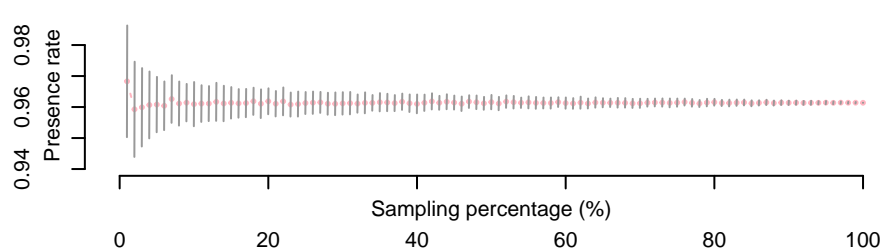
PWY.7234..inosine.5..phosphate.biosynthesis.III



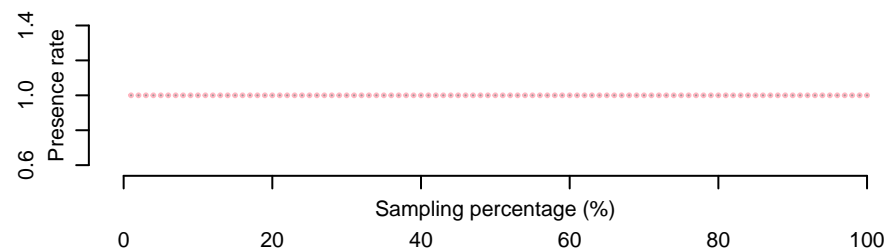
PWY.7235..superpathway.of.ubiquinol.6.biosynthesis..eukaryotic.



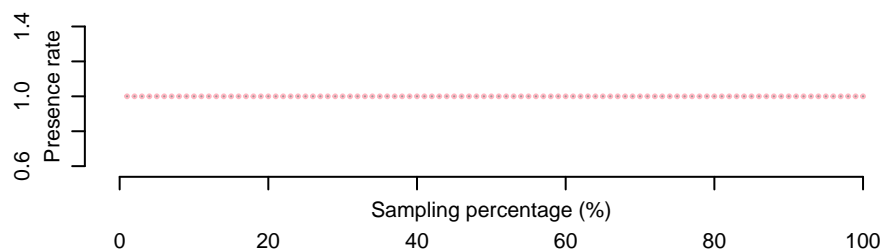
PWY.7237..myo...chiro...and.scillo.inositol.degradation



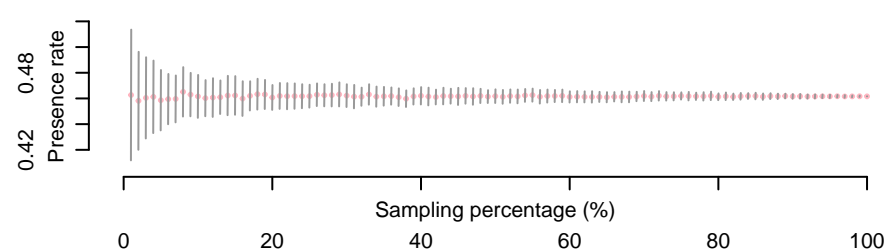
PWY.7242..D.fructuronate.degradation



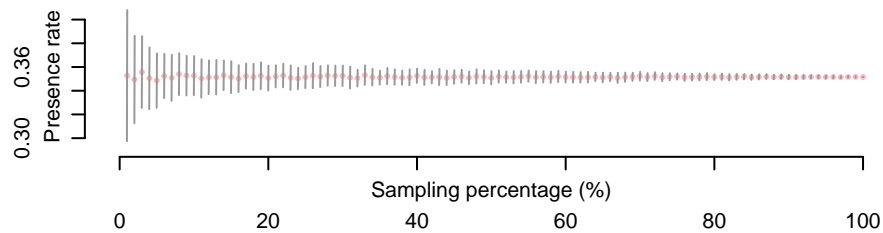
PWY.724..superpathway.of.L.lysine..L.threonine.and.L.methionine.biosynthesis.II



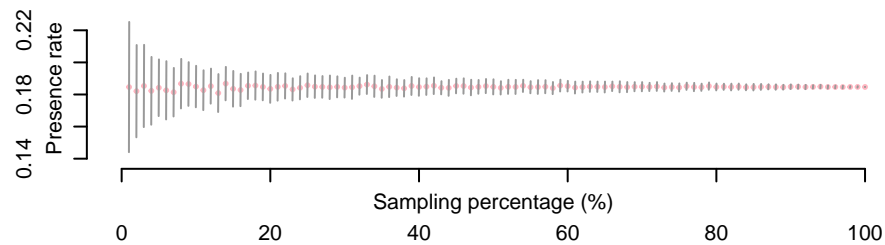
PWY.7254..TCA.cycle.VII...acetate.producers.



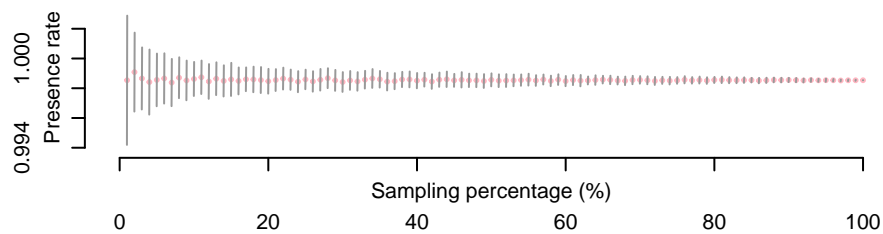
PWY.7269..NAD.NADP.NADH.NADPH.mitochondrial.interconversion..yeast.



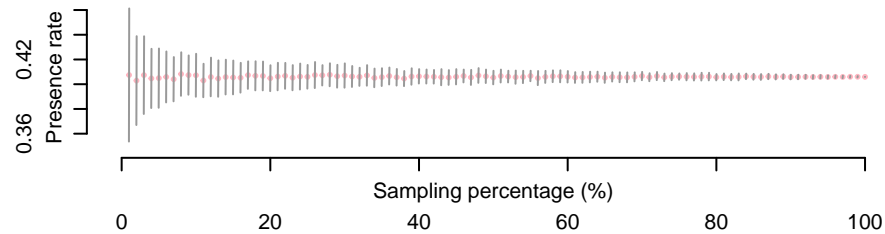
PWY.7279..aerobic.respiration.II..cytochrome.c...yeast.



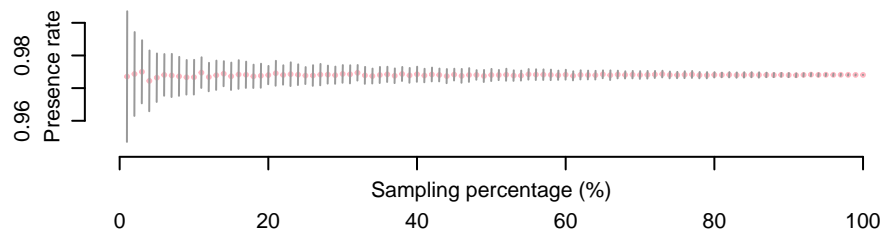
PWY.7282..4.amino.2.methyl.5.phosphomethylpyrimidine.biosynthesis..yeast.



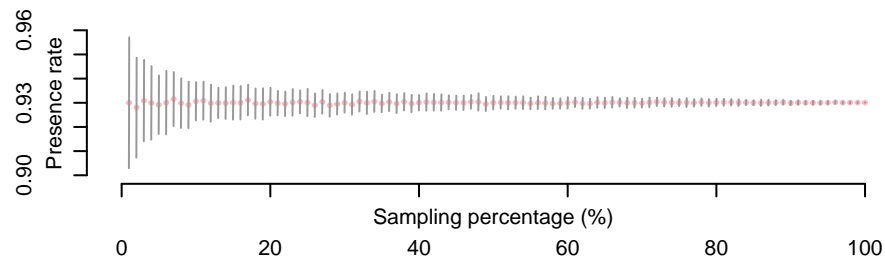
PWY.7315..dTDP.N.acetylthomosamine.biosynthesis



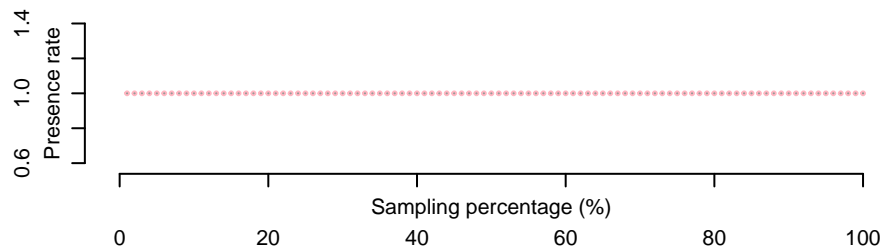
PWY.7323..superpathway.of.GDP.mannose.derived.O.antigen.building.blocks.biosynthesis



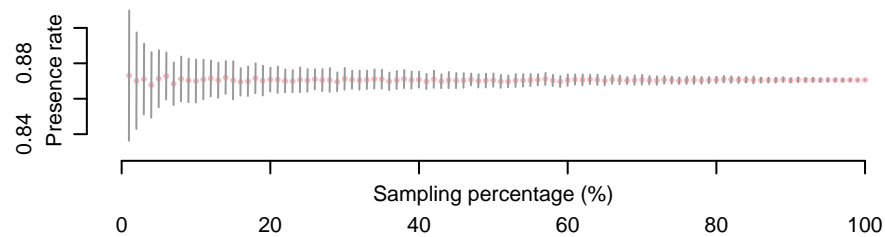
PWY.7328..superpathway.of.UDP.glucose.derived.O.antigen.building.blocks.biosynthesis



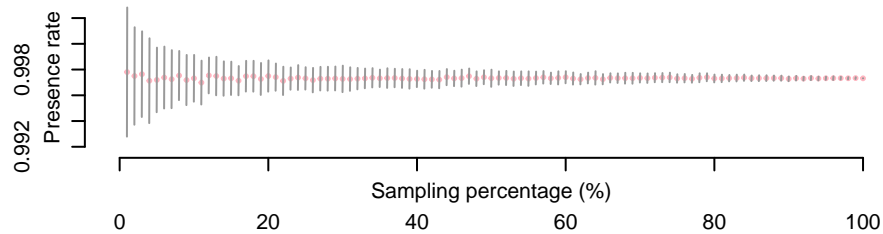
PWY.7357..thiamin.formation.from.pyrithiamine.and.oxythiamine..yeast.



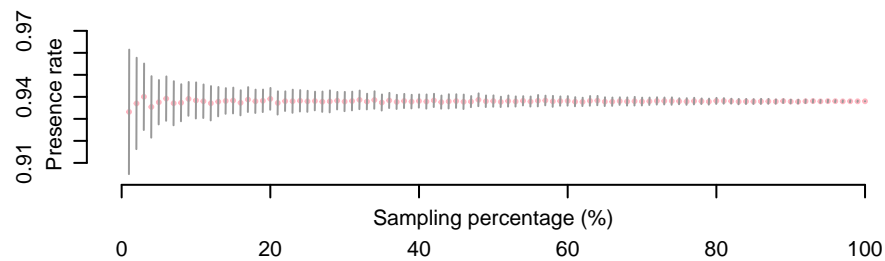
PWY.7371..1.4.dihydroxy.6.naphthoate.biosynthesis.II



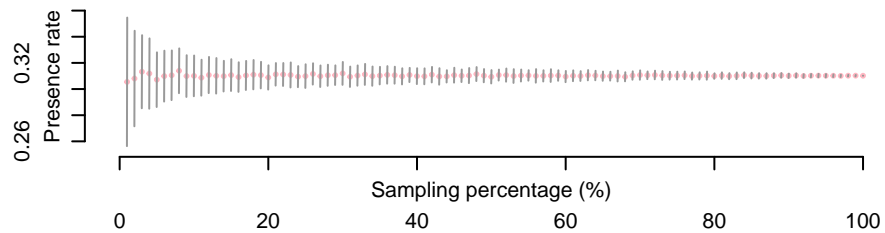
PWY.7383..anaerobic.energy.metabolism..invertebrates..cytosol.



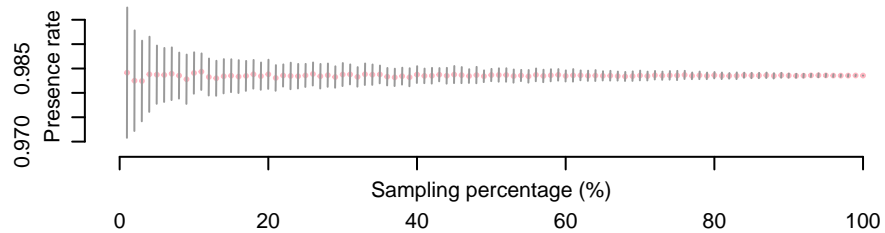
PWY.7388..octanoyl..acyl.carrier.protein..biosynthesis..mitochondria..yeast.



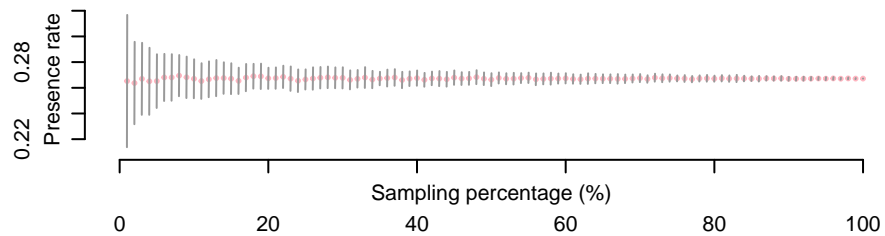
PWY.7392..taxadiene.biosynthesis..engineered.



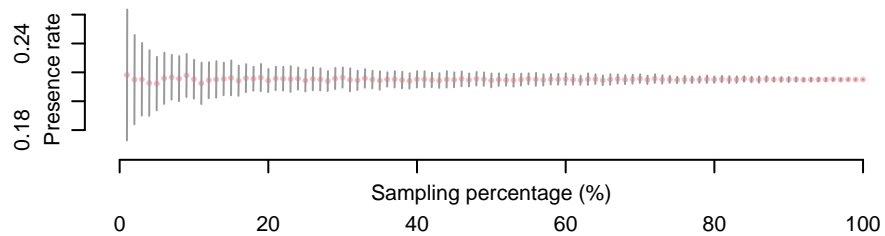
PWY.7400..L.arginine.biosynthesis.IV..archaeobacteria.



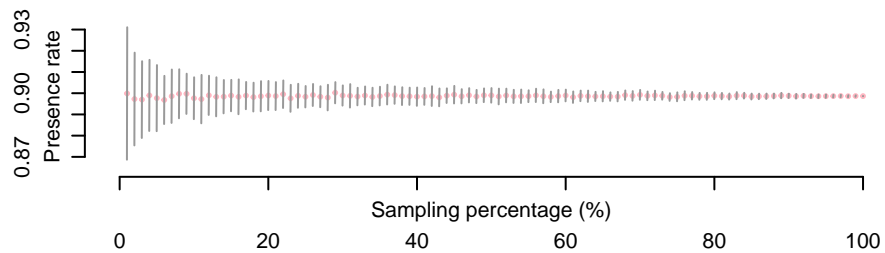
PWY.7409..phospholipid.remodeling..phosphatidylethanolamine..yeast.



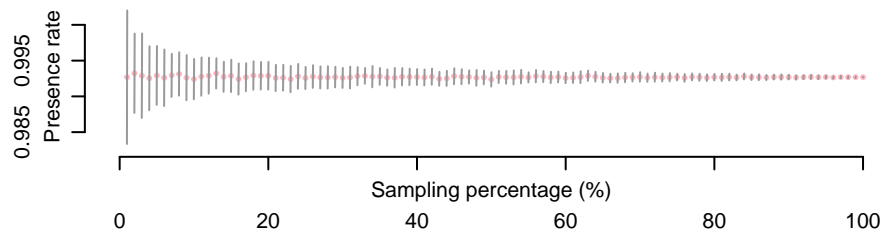
PWY.7446..sulfoglycolysis



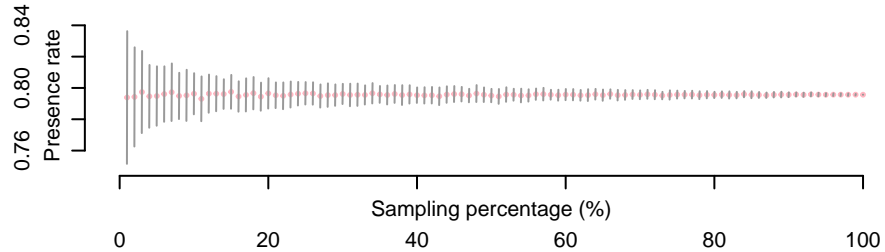
PWY.7456..mannan.degradation



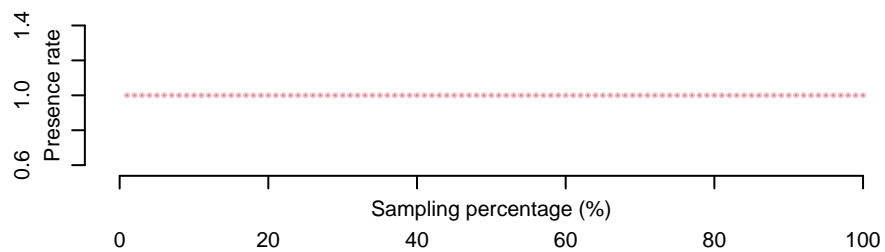
PWY.7539..6.hydroxymethyl.dihydropterin.diphosphate.biosynthesis.III..Chlamydia.



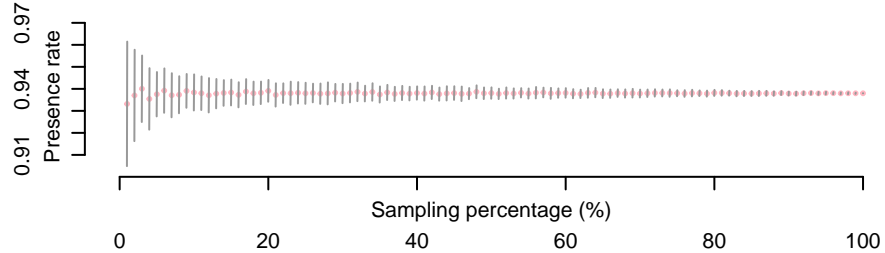
PWY.7560..methylerythritol.phosphate.pathway.II



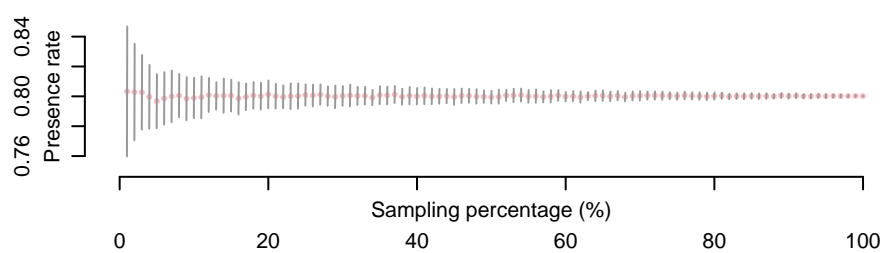
PWY.7663..gondoate.biosynthesis..anaerobic.



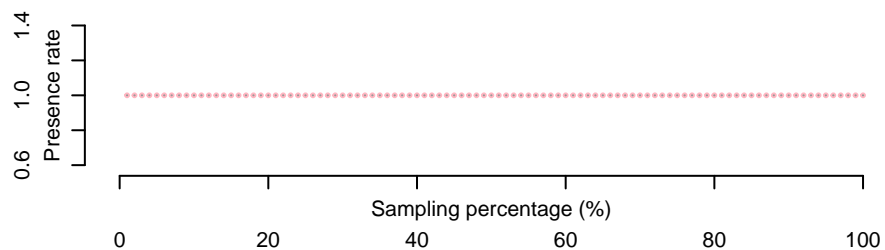
PWY.7664..oleate.biosynthesis.IV..anaerobic.



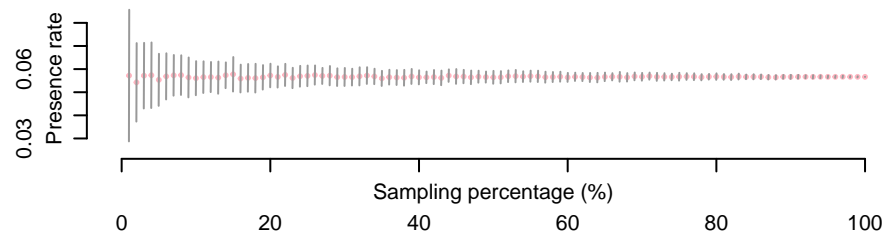
PWY.821..superpathway.of.sulfur.amino.acid.biosynthesis..Saccharomyces.cerevisiae.



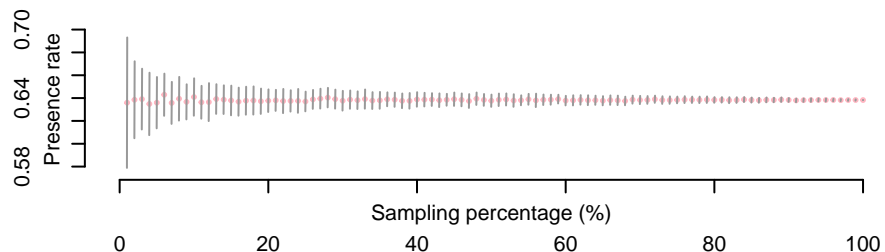
PWY.841..superpathway.of.purine.nucleotides.de.novo.biosynthesis.I



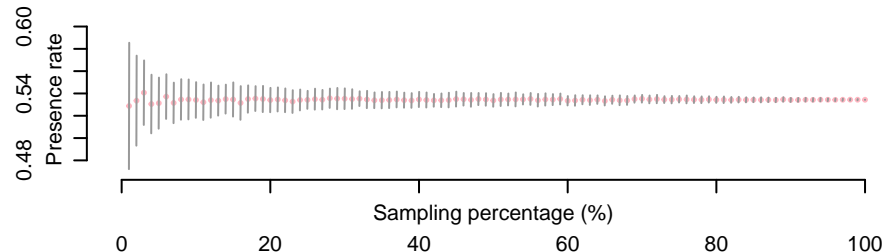
PWY.922..mevalonate.pathway.I



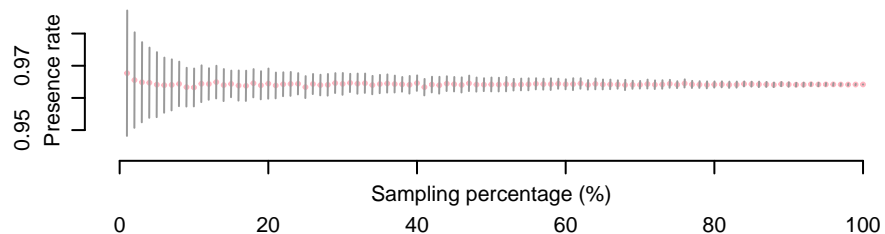
PWY0.1061..superpathway.of.L.alanine.biosynthesis



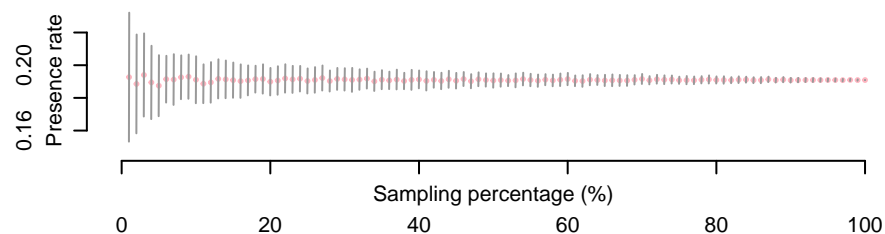
PWY0.1241..ADP.L.glycero..beta..D.manno.heptose.biosynthesis



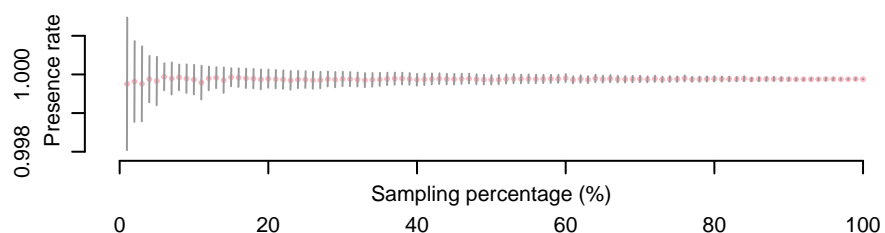
PWY0.1261..anhydromuropeptides.recycling



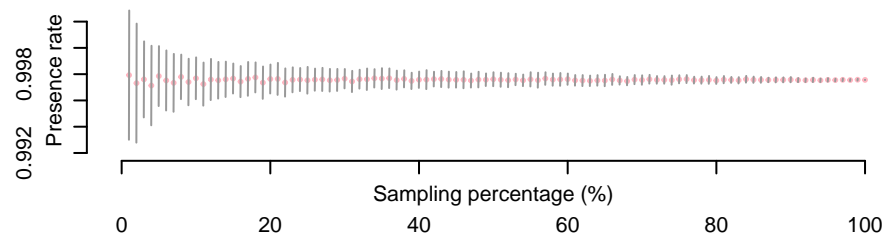
PWY0.1277..3.phenylpropanoate.and.3..3.hydroxyphenyl.propanoate.degradation



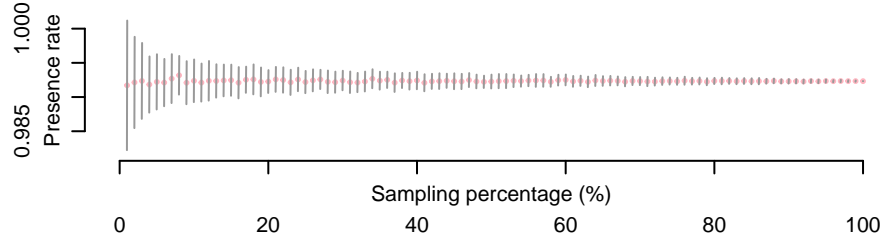
PWY0.1296..purine.ribonucleosides.degradation



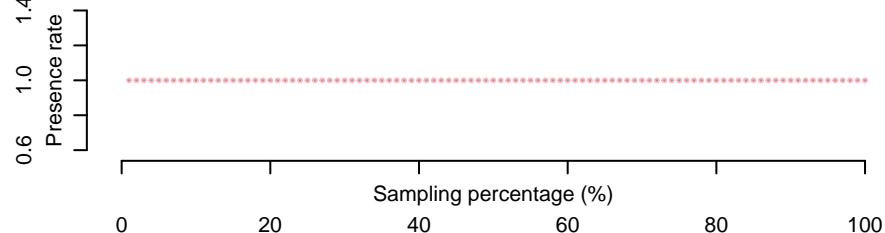
PWY0.1297..superpathway.of.purine.deoxyribonucleosides.degradation



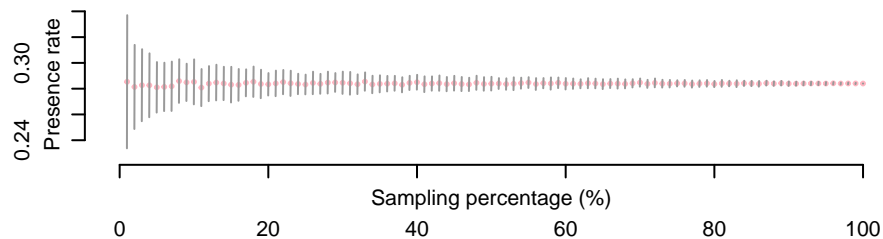
PWY0.1298..superpathway.of.pyrimidine.deoxyribonucleosides.degradation



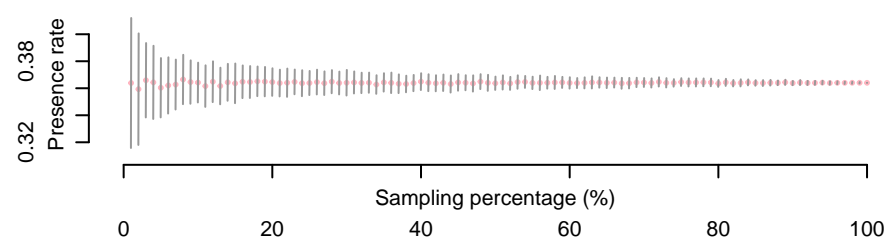
PWY0.1319..CDP.diaclyglycerol.biosynthesis.II



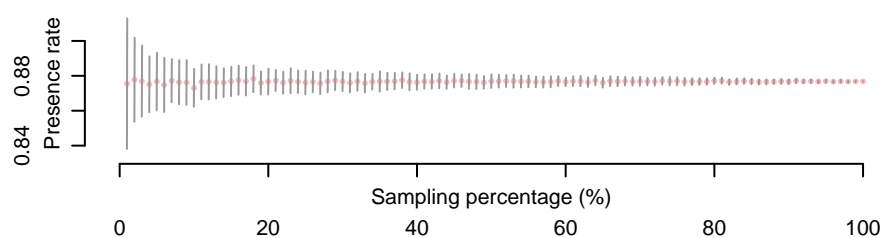
PWY0.1338..polymyxin.resistance



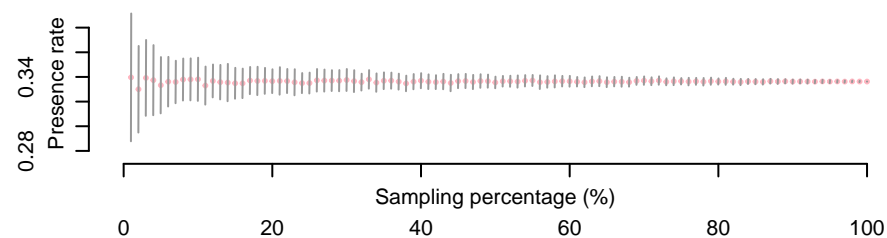
PWY0.1415..superpathway.of.heme.biosynthesis.from.uroporphyrinogen.III



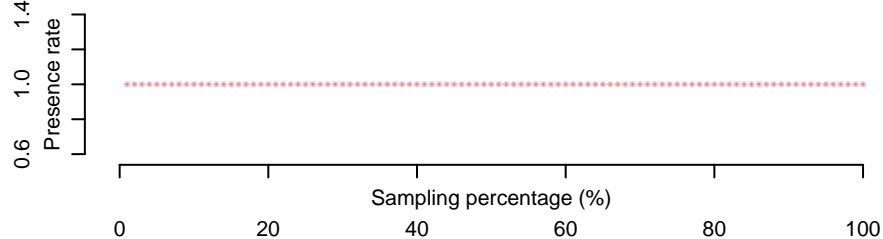
PWY0.1479..tRNA.processing



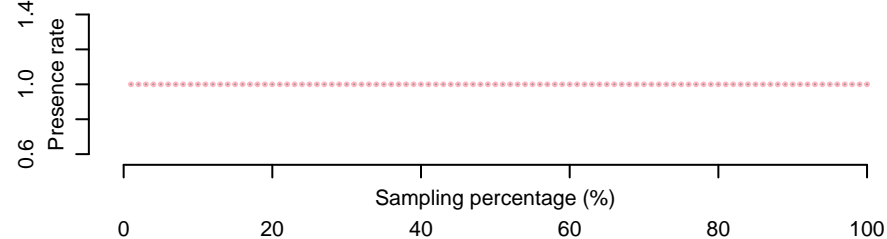
PWY0.1533..methylphosphonate.degradation.I



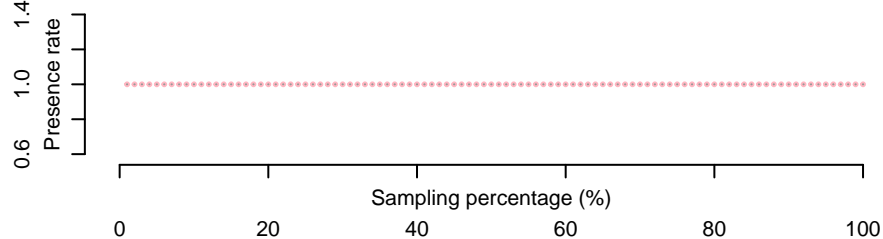
PWY0.1586..peptidoglycan.maturation..meso.diaminopimelate.containing.



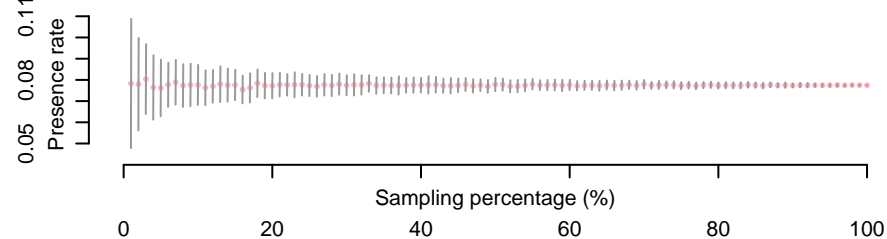
PWY0.162..superpathway.of.pyrimidine.ribonucleotides.de.novo.biosynthesis



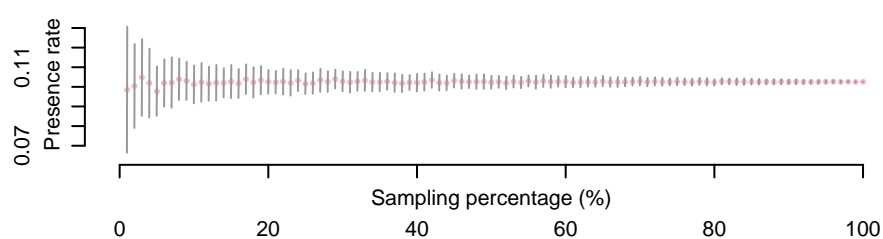
PWY0.166..superpathway.of.pyrimidine.deoxyribonucleotides.de.novo.biosynthesis..E..coli.



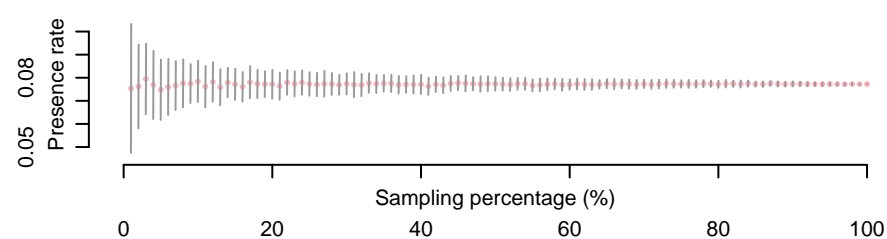
PWY0.321..phenylacetate.degradation.I..aerobic.



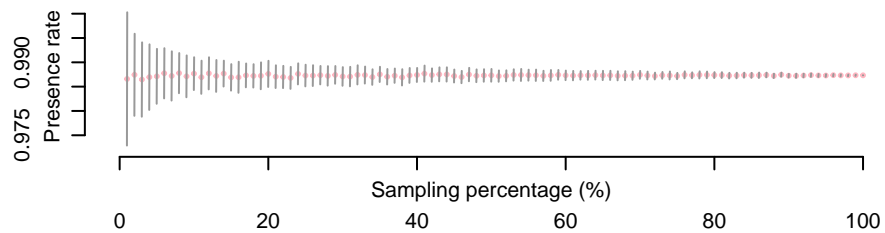
PWY0.41..allantoin.degradation.IV..anaerobic.



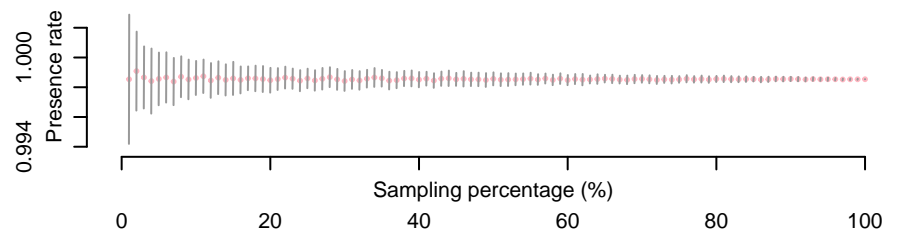
PWY0.42..2.methylcitrate.cycle.I



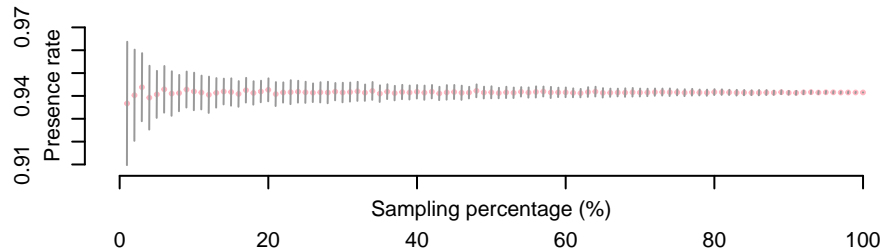
PWY0.781..aspartate.superpathway



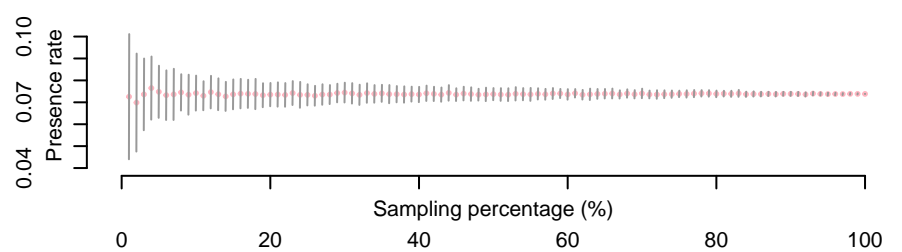
PWY0.845..superpathway.of.pyridoxal.5..phosphate.biosynthesis.and.salvage



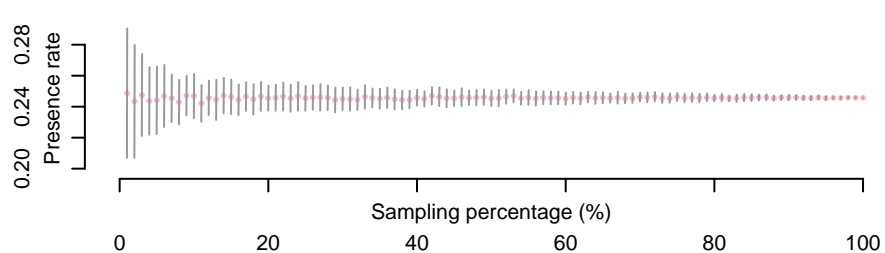
PWY0.862...5Z...dodec.5.enoate.biosynthesis



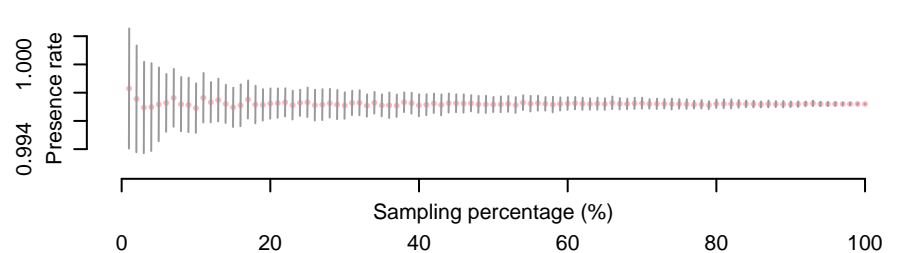
PWY30.19..ubiquinol.6.biosynthesis.from.4.hydroxybenzoate..eukaryotic.



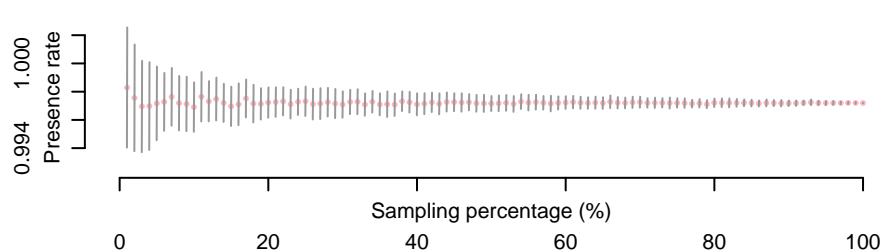
PWY490.3..nitrate.reduction.VI..assimilatory.



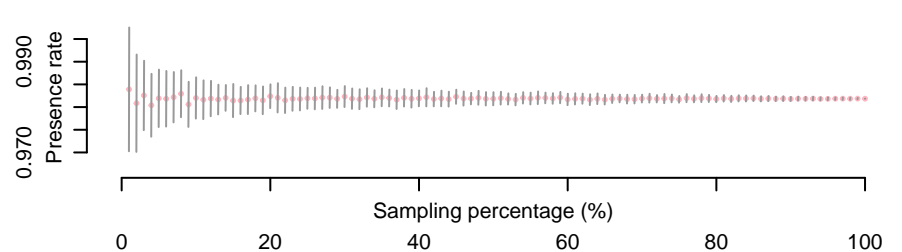
PWY4FS.7..phosphatidylglycerol.biosynthesis.I..plastidic.



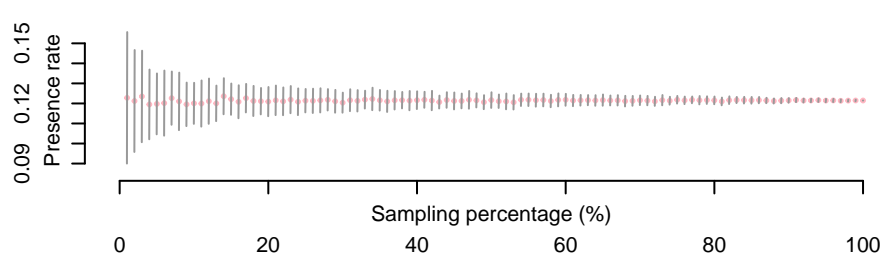
PWY4FS.8..phosphatidylglycerol.biosynthesis.II..non.plastidic.



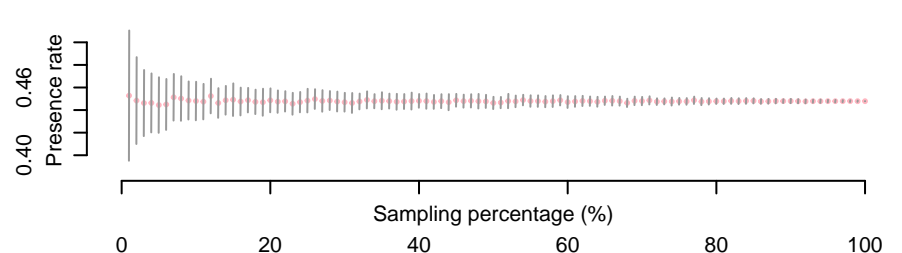
PWY4LZ.257..superpathway.of.fermentation..Chlamydomonas.reinhardtii.



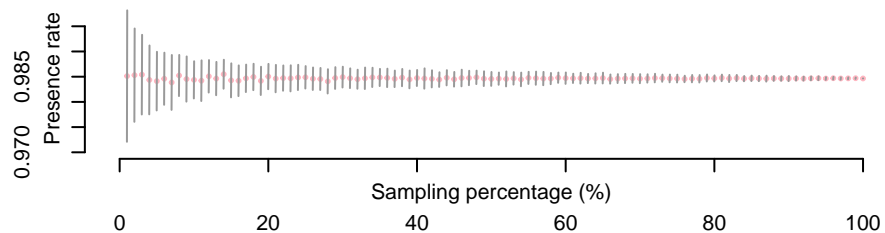
PWY66.389..phytol.degradation



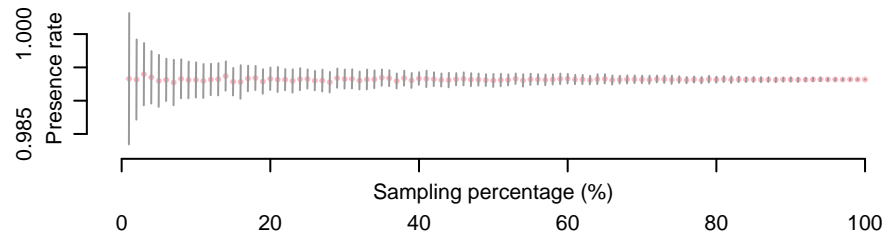
PWY66.398..TCA.cycle.III..animals.



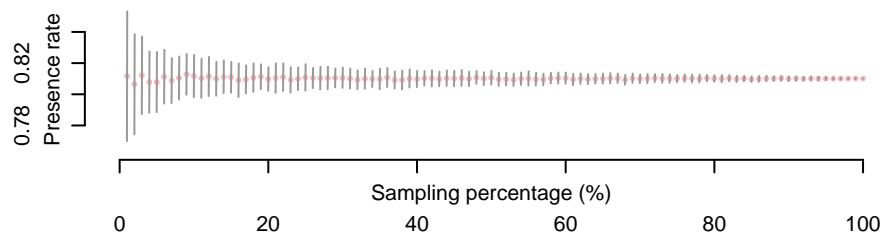
PWY66.399..gluconeogenesis.III



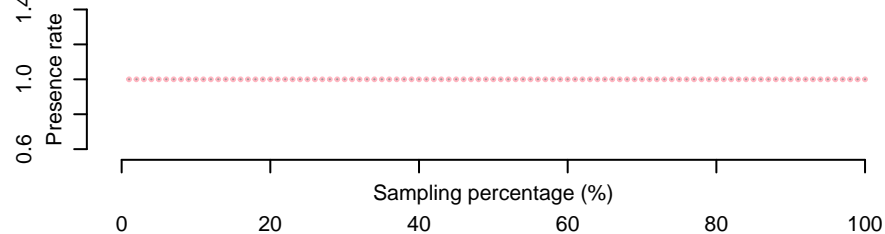
PWY66.400..glycolysis.VI..metazoan.



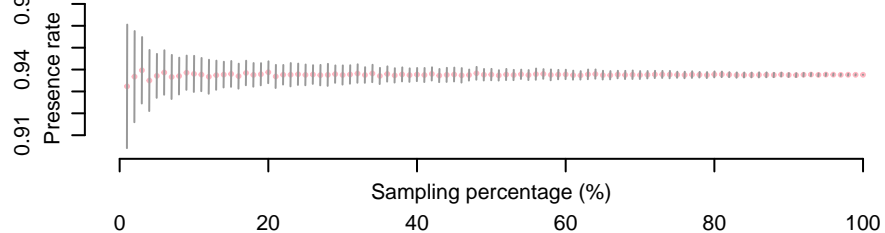
PWY66.409..superpathway.of.purine.nucleotide.salvage



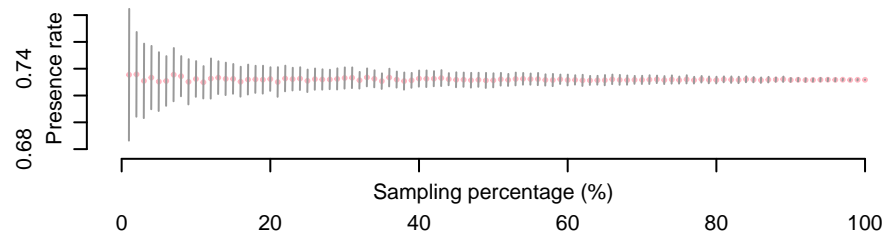
PWY66.422..D.galactose.degradation.V..Leloir.pathway.



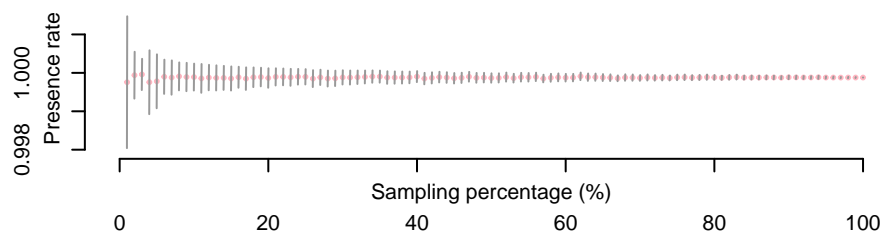
PWYG.321..mycolate.biosynthesis



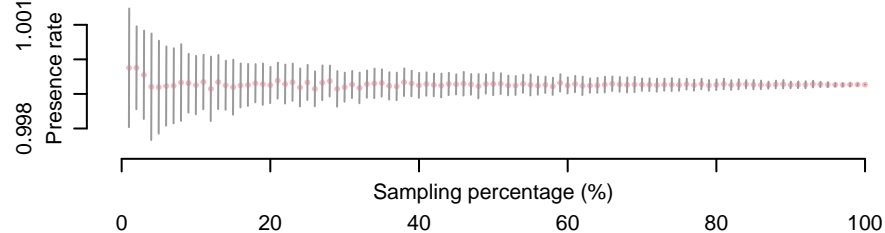
PYRIDNUCSAL.PWY..NAD.salvage.pathway.I



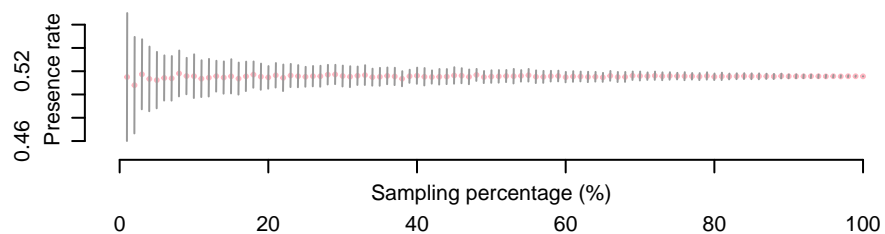
PYRIDNUCSYN.PWY..NAD.biosynthesis.I..from.aspartate.



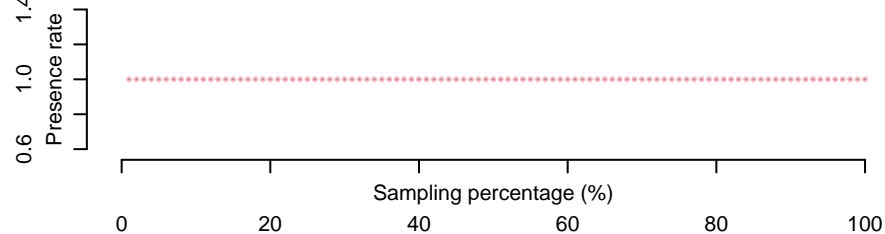
PYRIDOXSYN.PWY..pyridoxal.5..phosphate.biosynthesis.I



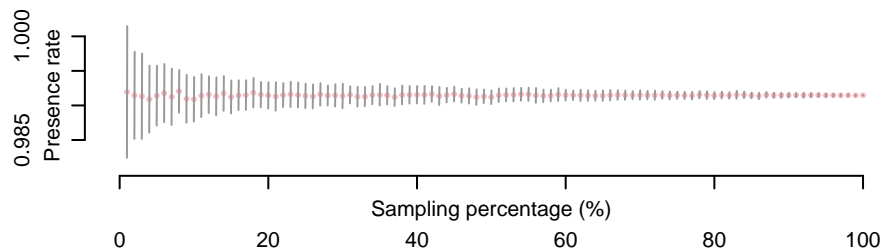
PWY\_REDCITCYC..TCA.cycle.VIII..helicobacter.



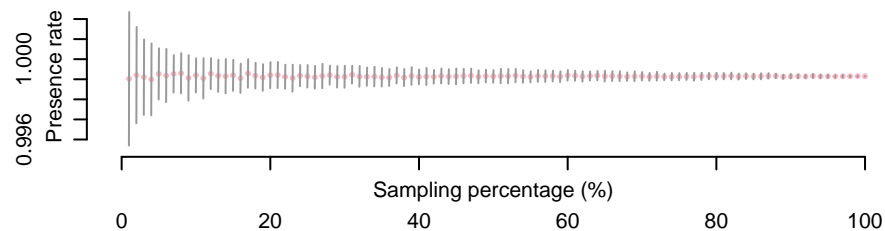
RHAMCAT.PWY..L.rhamnose.degradation.I



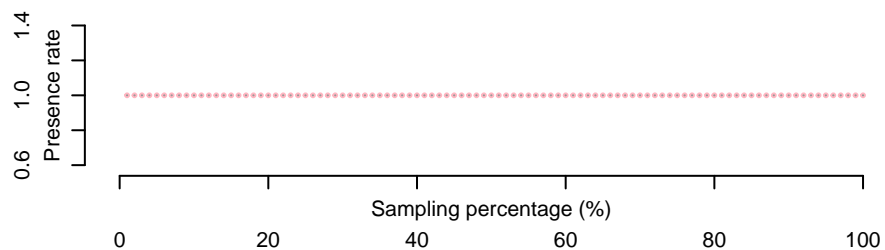
RIBOSYN2.PWY..flavin.biosynthesis.I..bacteria.and.plants.



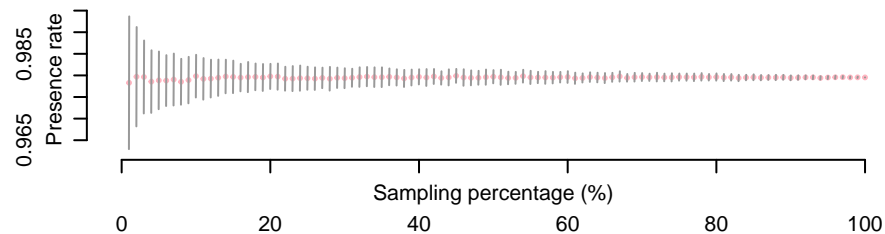
SALVADEHYPOX.PWY..adenosine.nucleotides.degradation.II



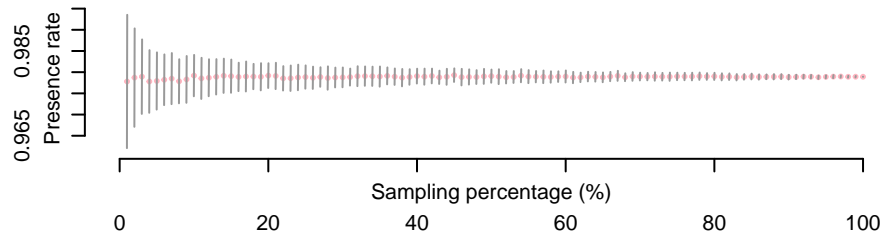
SER.GLYSYN.PWY..superpathway.of.L.serine.and.glycine.biosynthesis.I



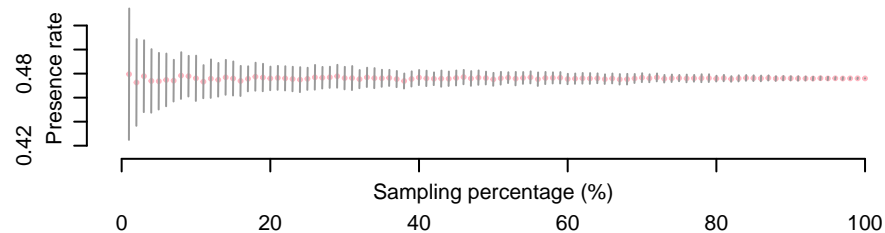
SO4ASSIM.PWY..sulfate.reduction.I..assimilatory.



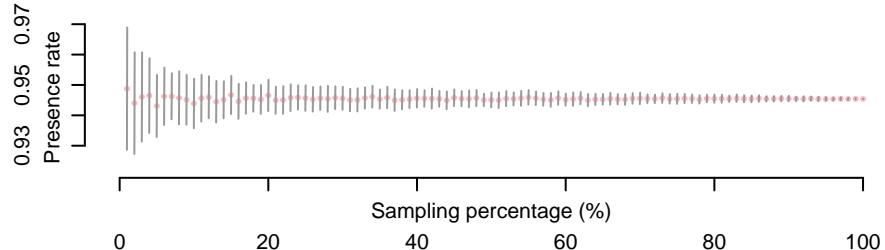
SULFATE.CYS.PWY..superpathway.of.sulfate.assimilation.and.cysteine.biosynthesis



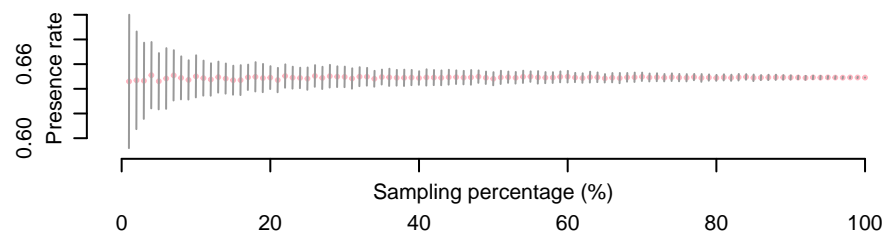
PWY\_TCA.GLYOX.BYPASS..superpathway.of.glyoxylate.bypass.and.TCA



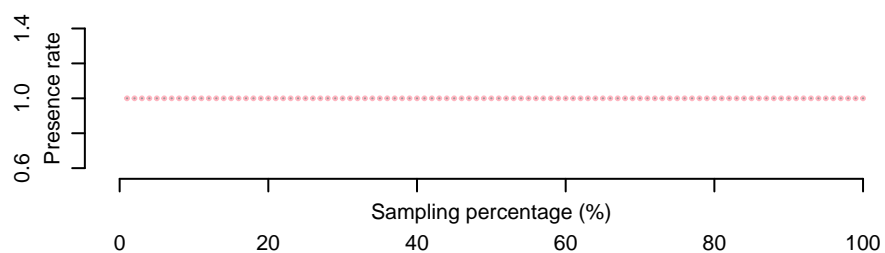
PWY\_TCA..TCA.cycle.I..prokaryotic.



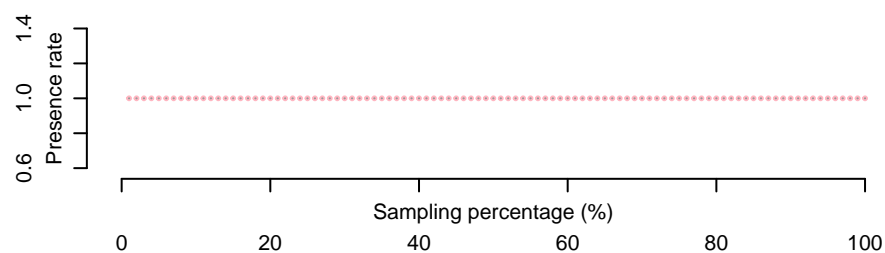
THISYN.PWY..superpathway.of.thiamin.diphosphate.biosynthesis.I



THISYNARA.PWY..superpathway.of.thiamin.diphosphate.biosynthesis.III..eukaryotes.

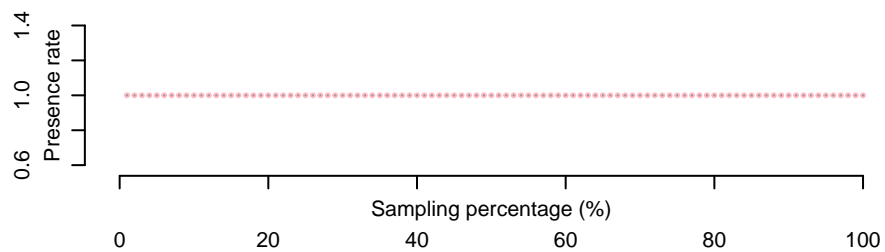


THRESYN.PWY..superpathway.of.L.threonine.biosynthesis

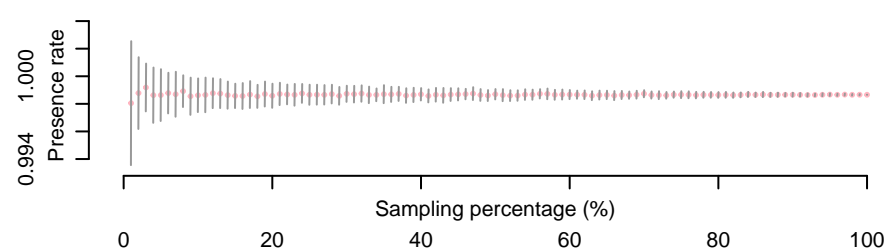




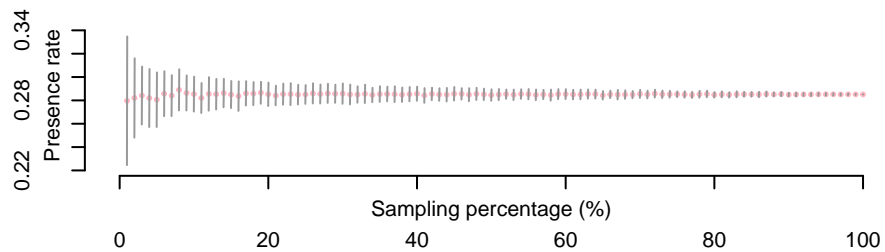
TRNA.CHARGING.PWY..tRNA.charging



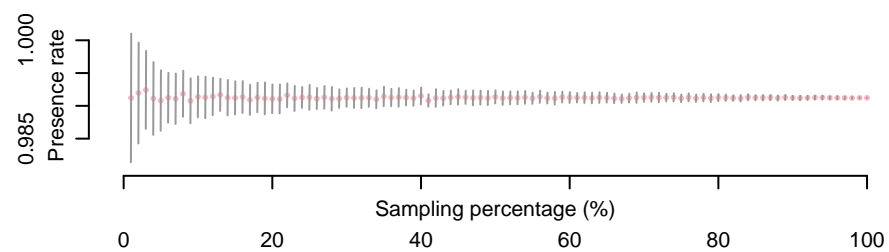
TRPSYN.PWY..L.tryptophan.biosynthesis



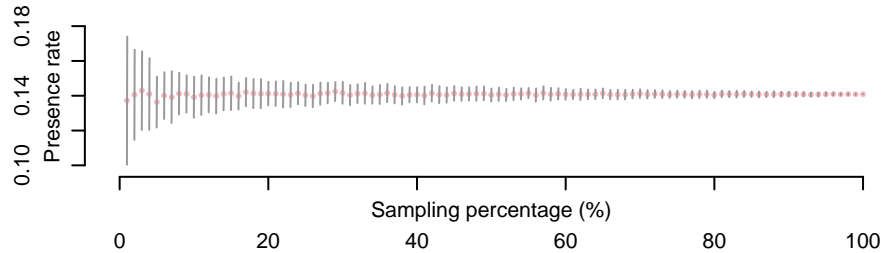
UBISYN.PWY..superpathway.of.ubiquinol.8.biosynthesis..prokaryotic.



UDPNAGSYN.PWY..UDP.N.acetyl.D.glucosamine.biosynthesis.I



URDEGR.PWY..superpathway.of.allantoin.degradation.in.plants



VALSYN.PWY..L.valine.biosynthesis

