Figure E1 – Phylum level taxonomic assignments of the FTHFS gene sequence data analysis of reverse reads with AcetoScan at clustering threshold 100 %

Figure E2 - Class level taxonomic assignments of the FTHFS gene sequence data analysis of reverse reads with AcetoScan at clustering threshold 100 %(> 0.25 %)
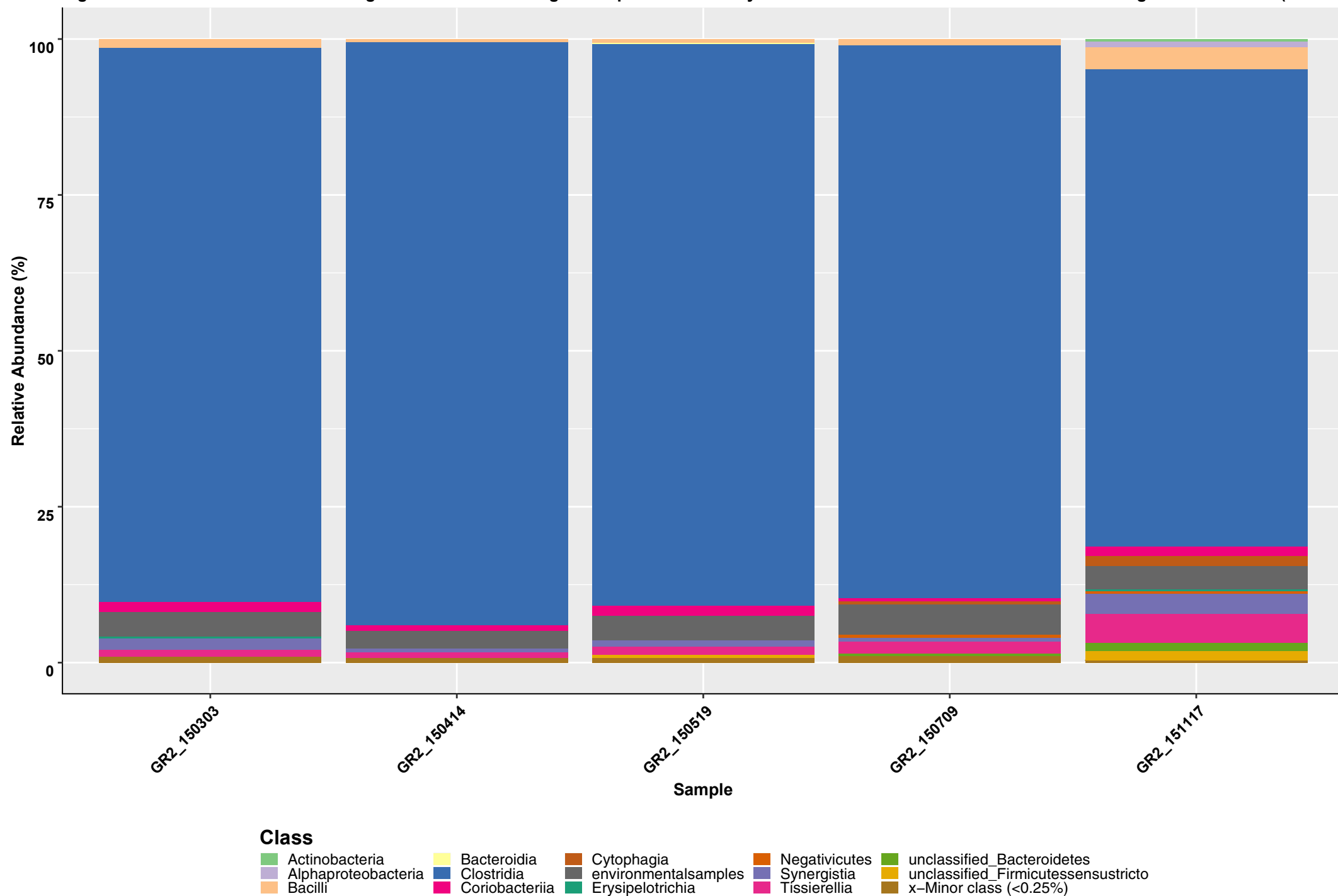
Class

- Actinobacteria
- Alphaproteobacteria
- Bacilli
- Bacteroidia
- Clostridia
- Coriobacteriia
- Cytophagia
- environmentalsamples
- Erysipelotrichia
- Negativicutes
- Synergistia
- Tissierellia
- unclassified_Bacteroidetes
- unclassified_Firmicutessensustricto
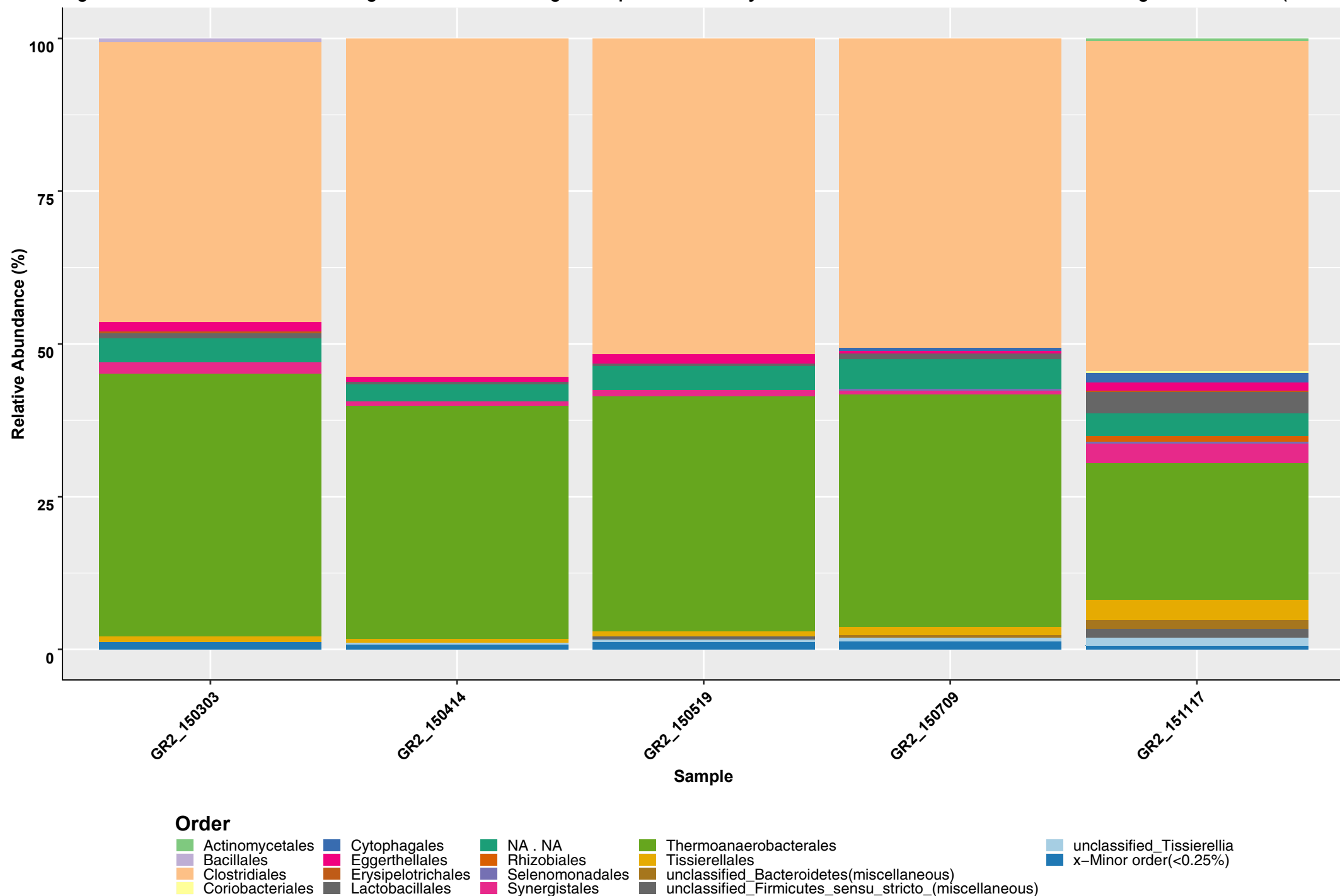- x−Minor class (<0.25%)

Figure E3 - Order level taxonomic assignments of the FTHFS gene sequence data analysis of reverse reads with AcetoScan at clustering threshold 100 %(> 0.25 %)

Order

- Actinomycetales
- Bacillales
- Clostridiales
- Coriobacteriales
- Cytophagales
- Eggerthellales
- Erysipelotrichales
- Lactobacillales
- NA . NA
- Rhizobiales
- Selenomonadales
- Synergistales
- Thermoanaerobacterales
- Tissierellales
- unclassified_Bacteroidetes(miscellaneous)
- unclassified_Firmicutes_sensu_stricto_(miscellaneous)
- unclassified_Tissierellia
- x−Minor order(<0.25%)

Figure E4 - Family level taxonomic assignments of the FTHFS gene sequence data analysis of reverse reads with AcetoScan at clustering threshold 100 %(> 1 %)
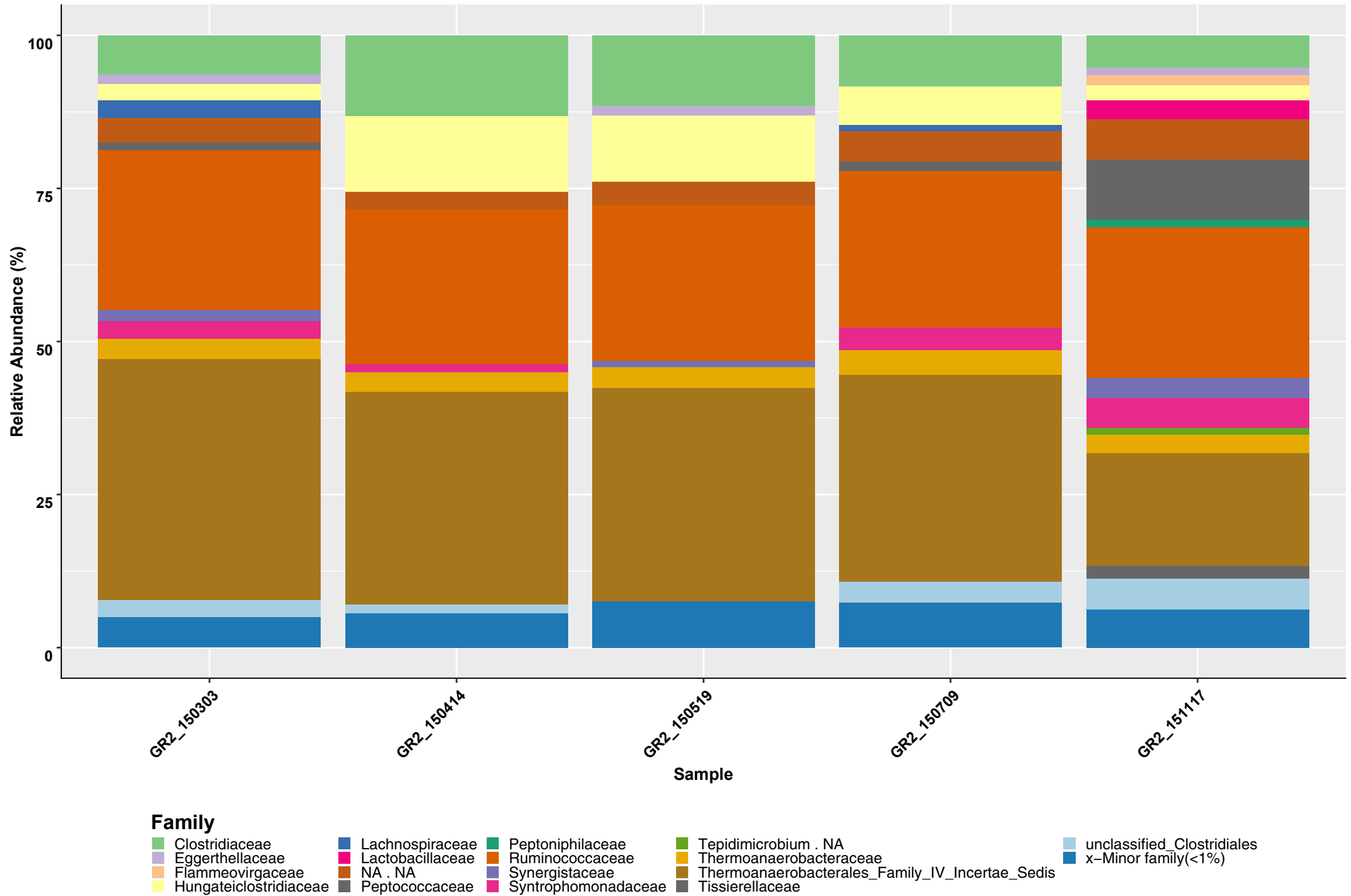
Figure E5 - Genus level taxonomic assignments of the FTHFS gene sequence data analysis of reverse reads with AcetoScan at clustering threshold 100 %(> 1 %)

Genus

- Aminobacterium
- Butyrivibrio
- Caldisalinibacter
- Clostridium
- Eggerthella
- Fabibacter
- Flavonifractor
- NA . NA
- Lactobacillus
- Lagierella
- Mahella
- Maledivibacter
- Pediococcus
- Phocea
- Pseudobacteroides
- Syntrophomonas
- Tepidanaerobacter
- Tepidimicrobium
- Tissierella
- unclassified_Clostridiales(misc)
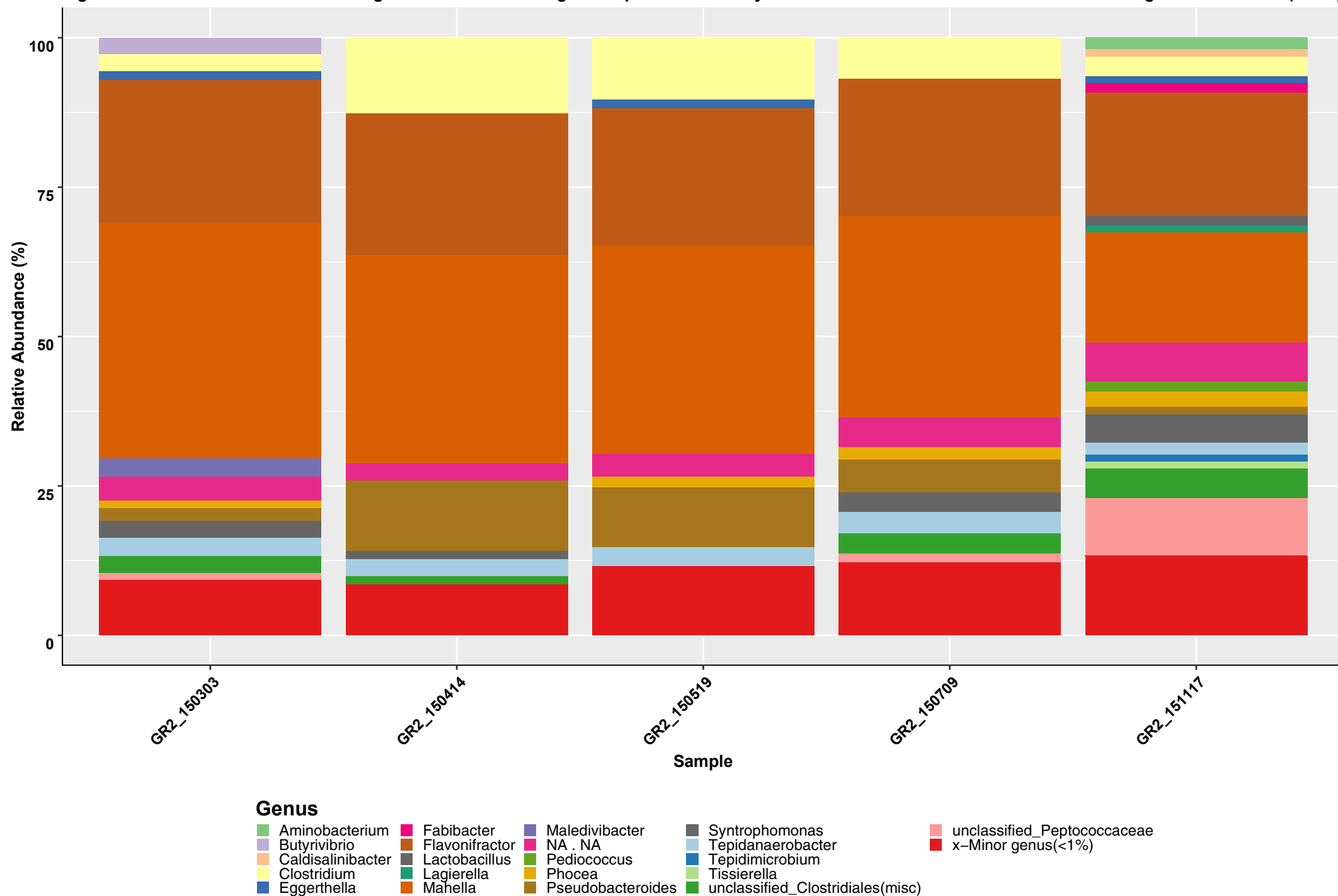- unclassified_Peptococcaceae
- x−Minor genus(<1%)

Figure E6 – Species level taxonomic assignments of the FTHFS gene sequence data analysis of reverse reads with AcetoScan at clustering threshold 100 %(> 5 %)

Species

- Clostridium_beijerinckii
- Flavonifractor_sp
- Mahella_australiensis
- Peptococcaceae_bacterium
- Pseudobacteroides_cellulosolvens
- x–Minor Species(<5%)