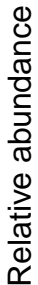


# CUB000



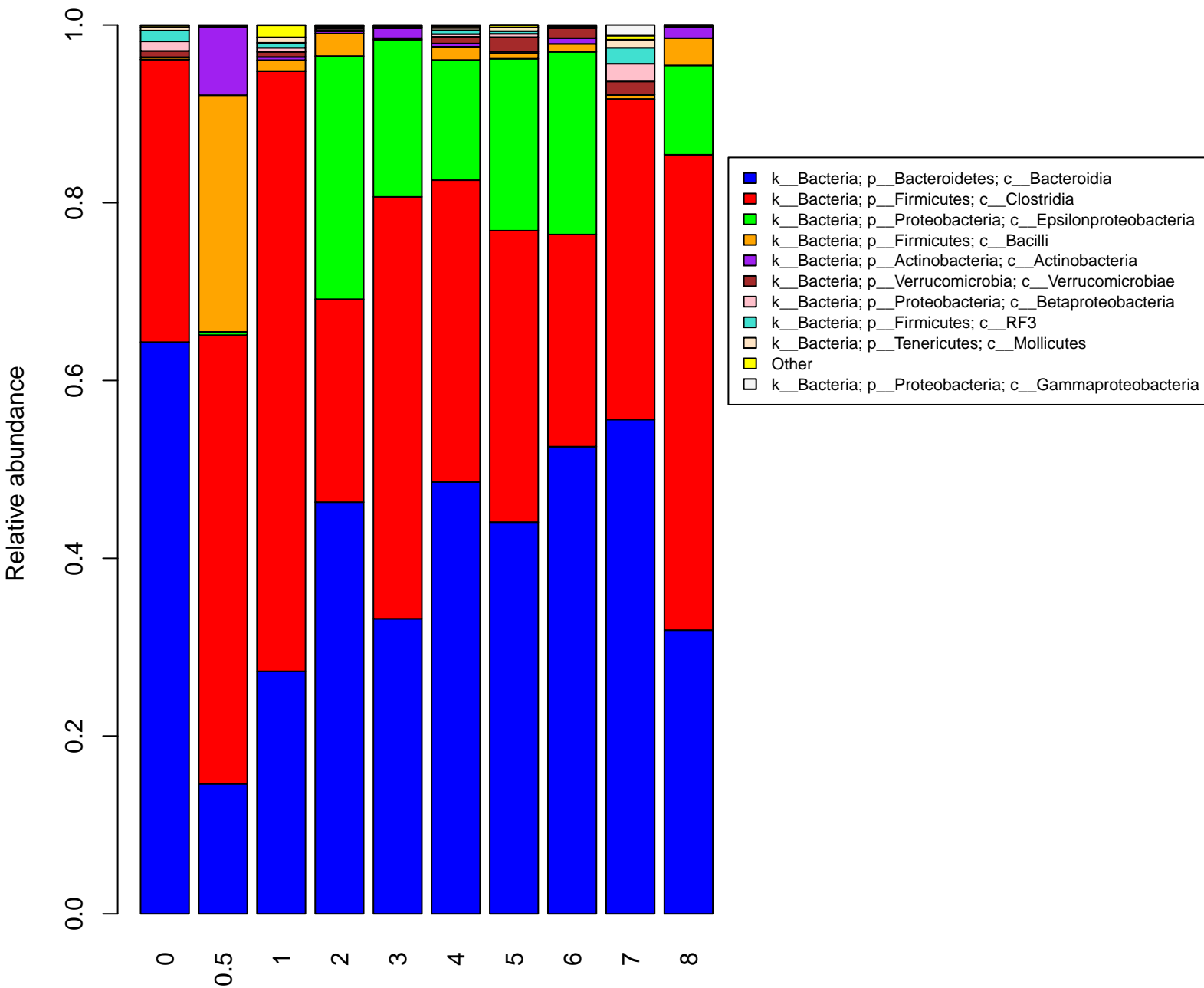
0.5

2

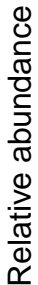
5

CC

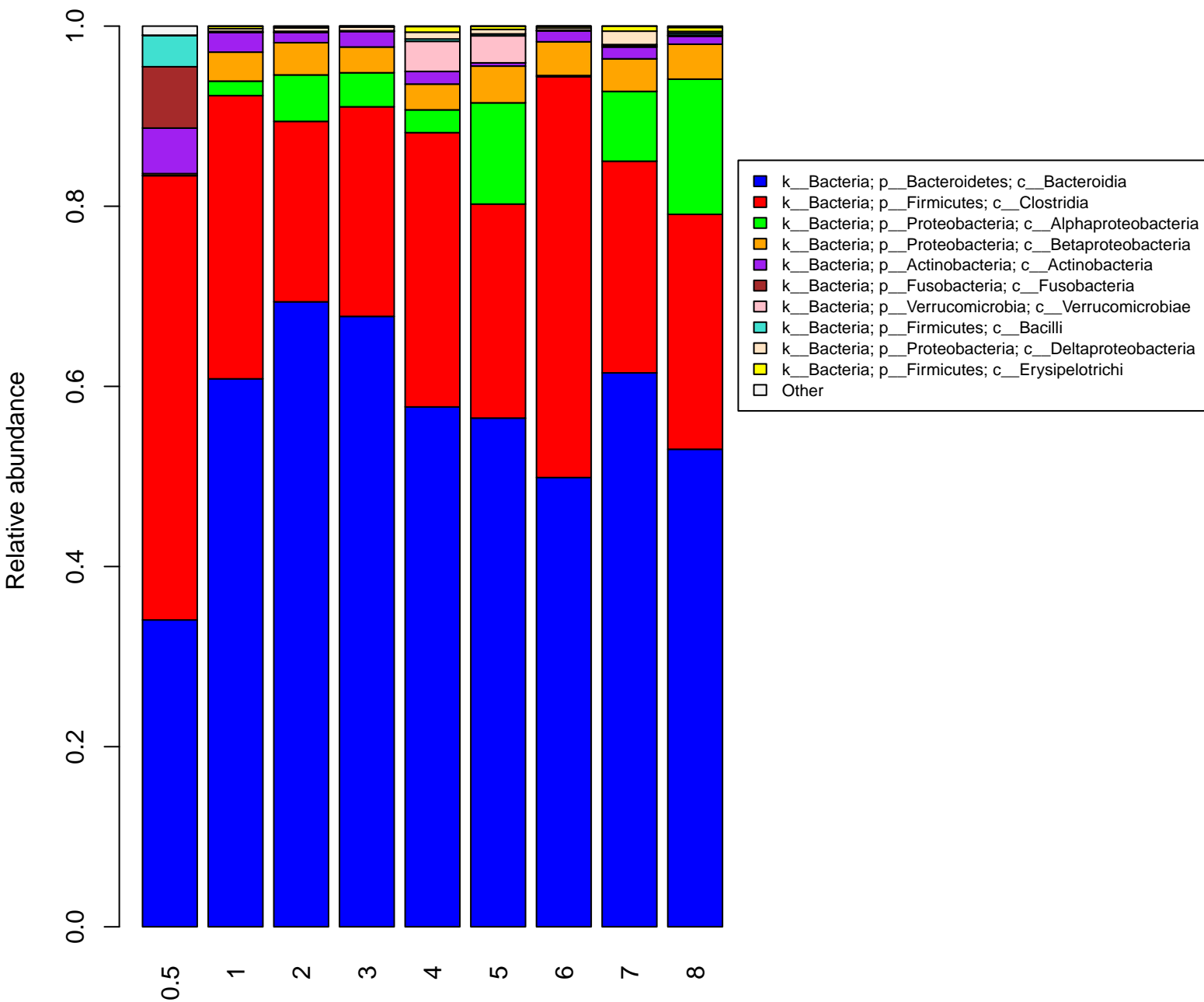
**CUB003**



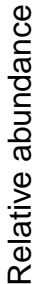
# CUB004



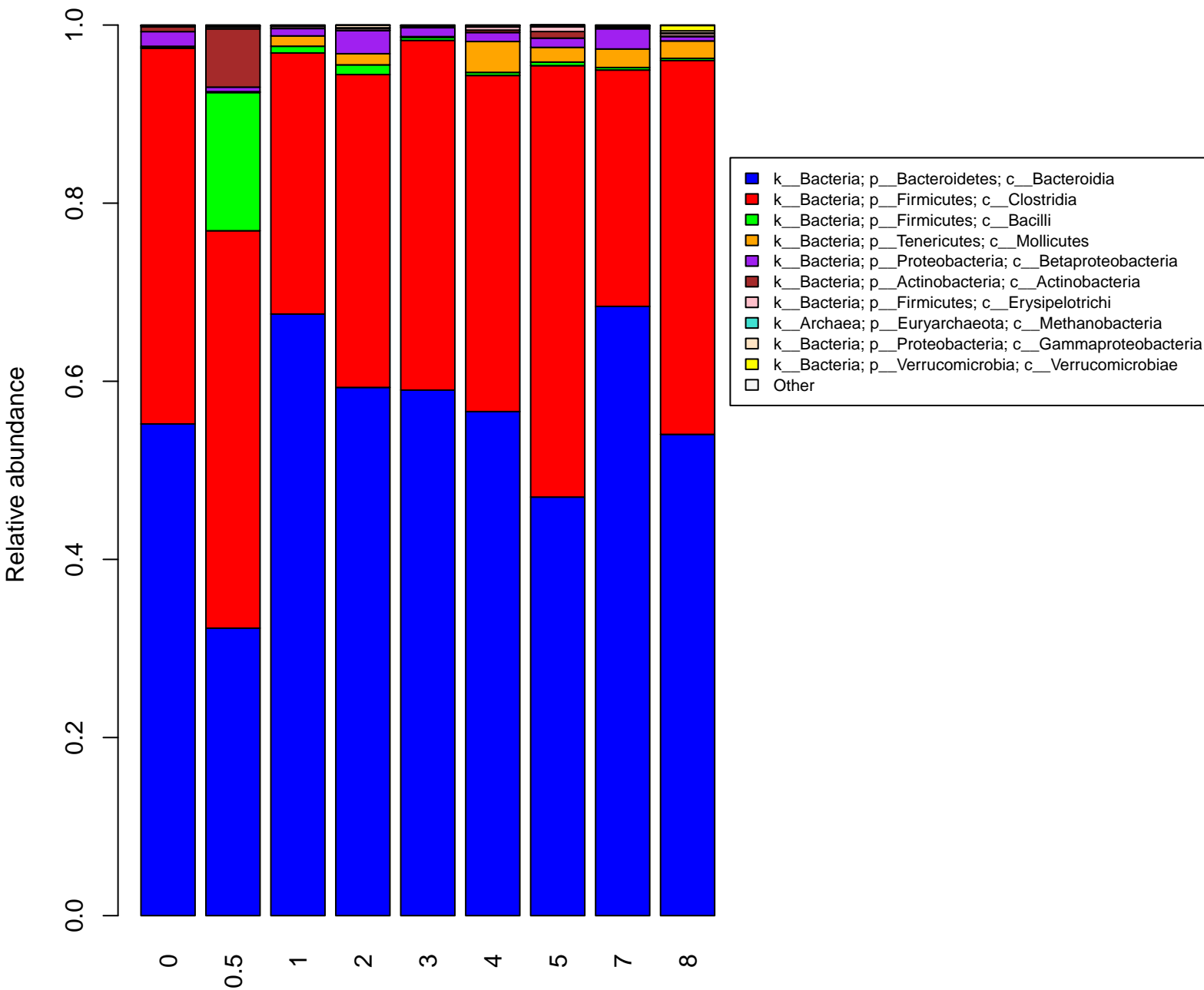
**CUB007**



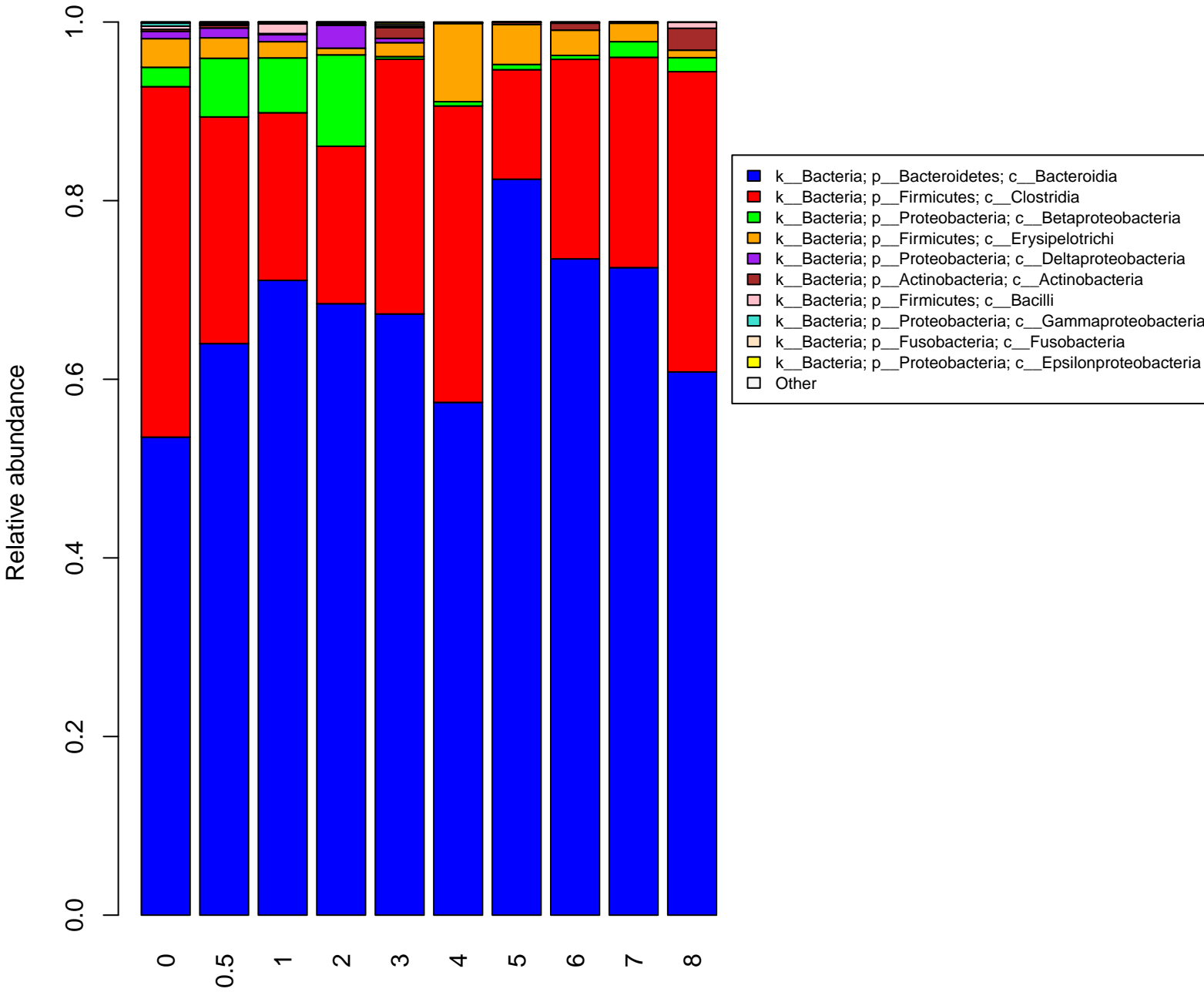
**CUB008**



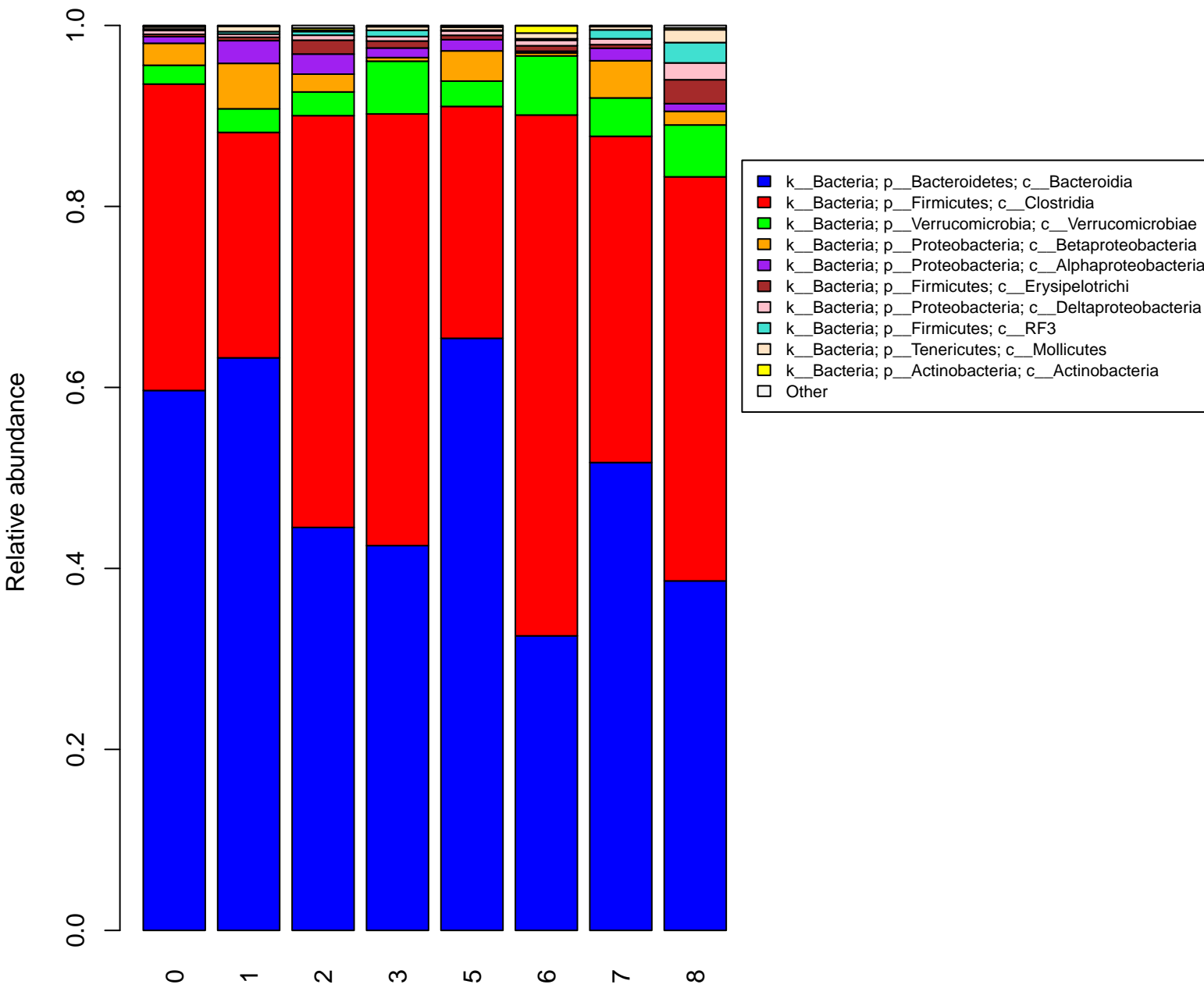
**CUB009**



# CUB010

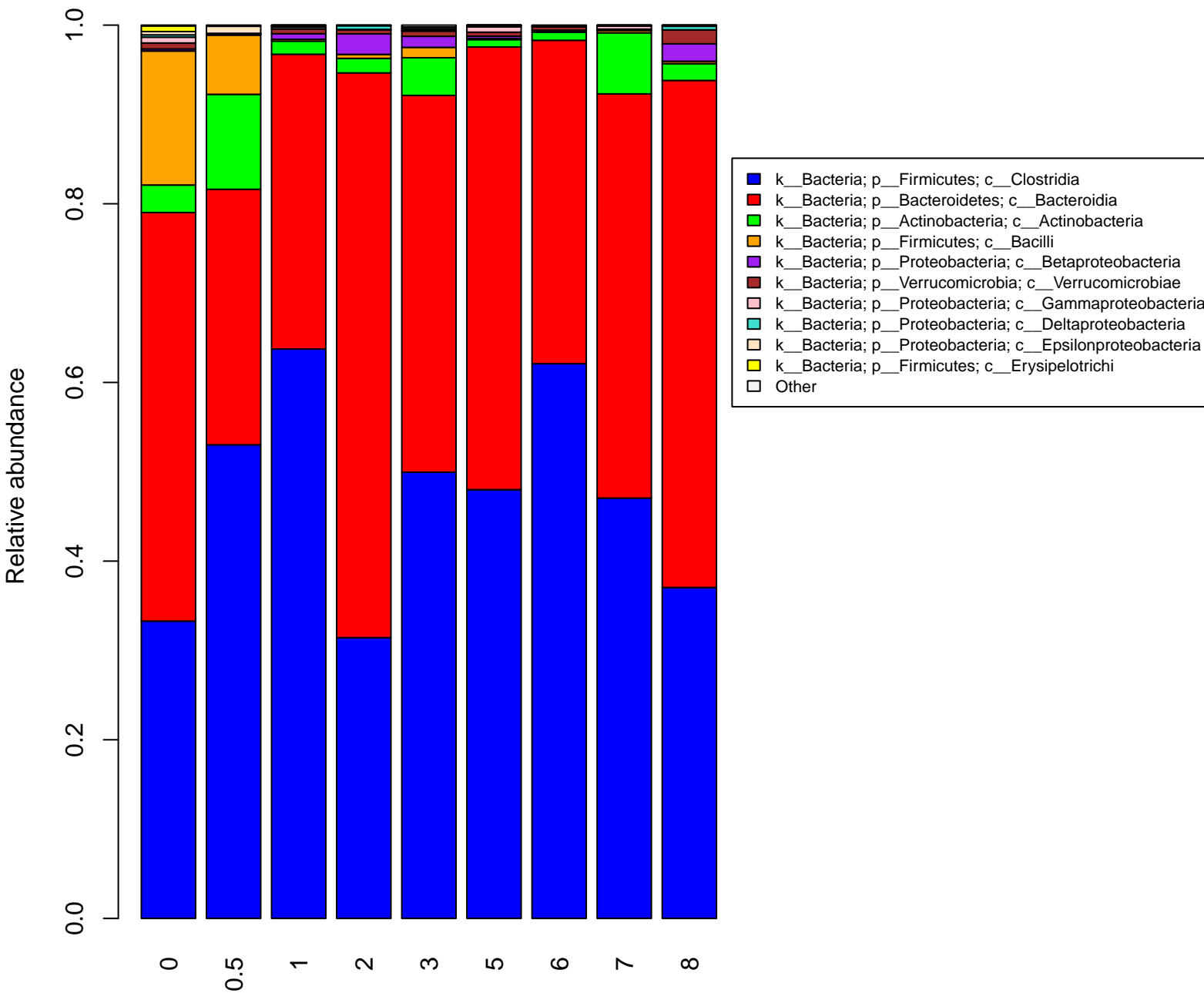


# CUB011

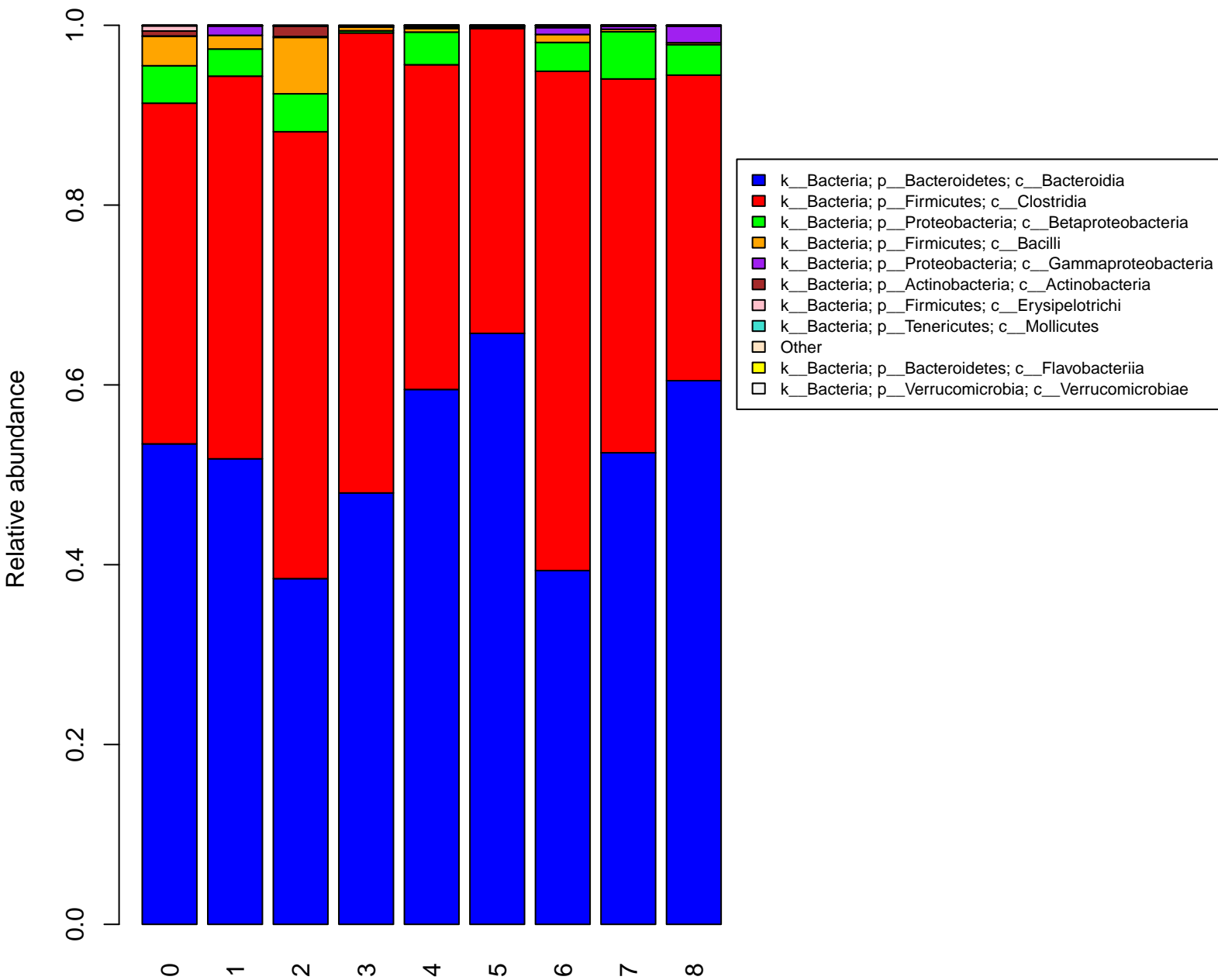




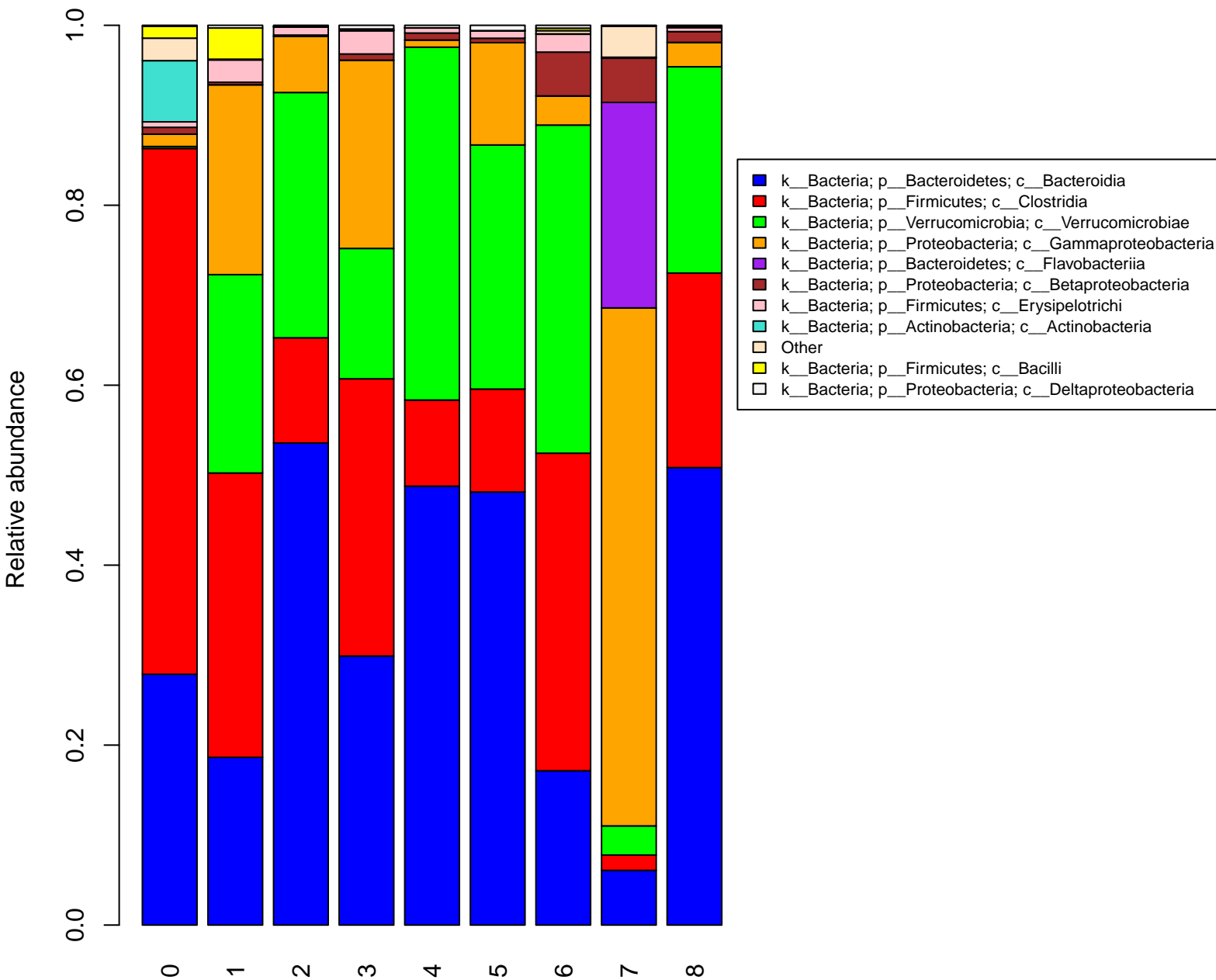
**CUB012**



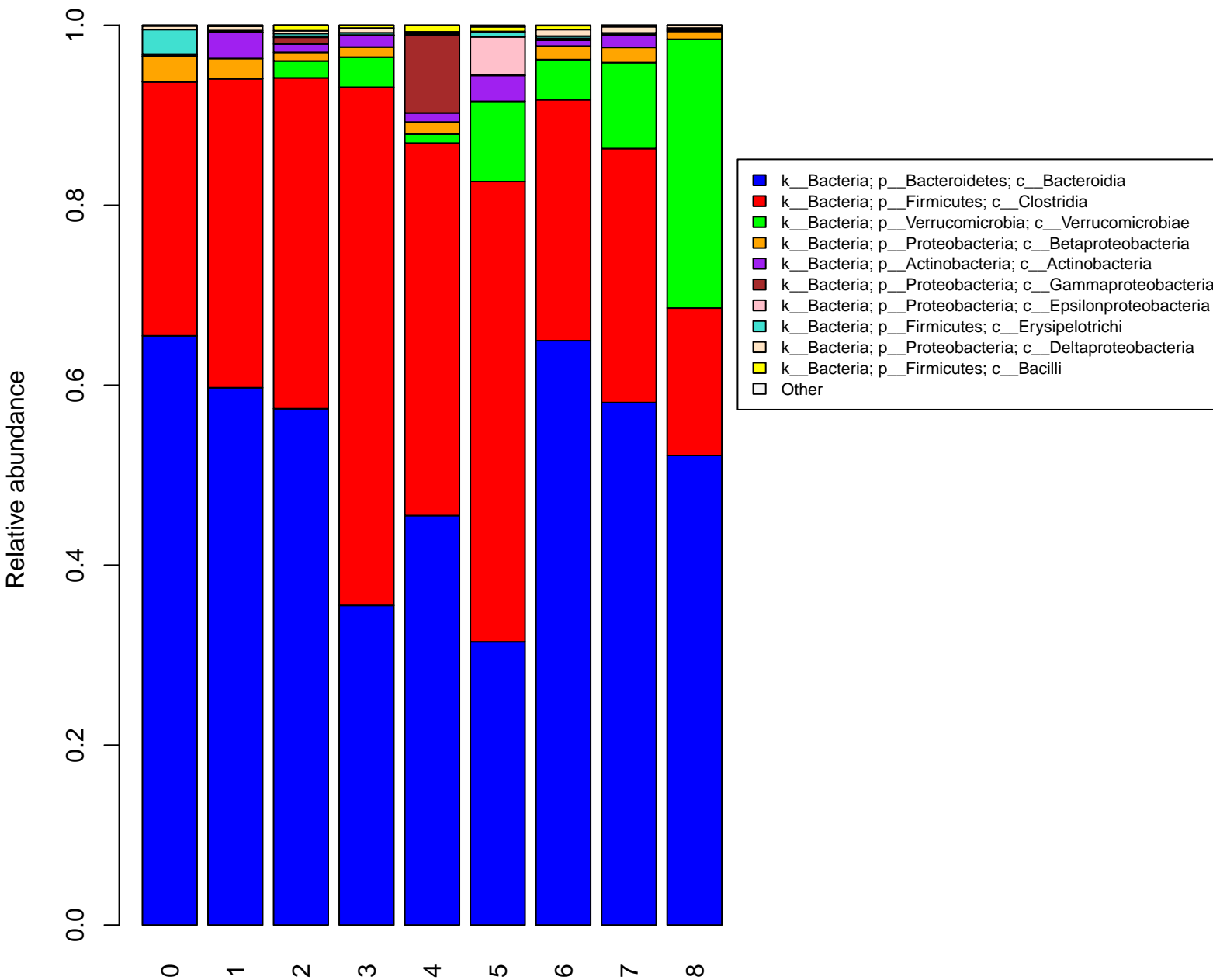
**CUB015**



**CUB017**



**CUB019**



# CUB026

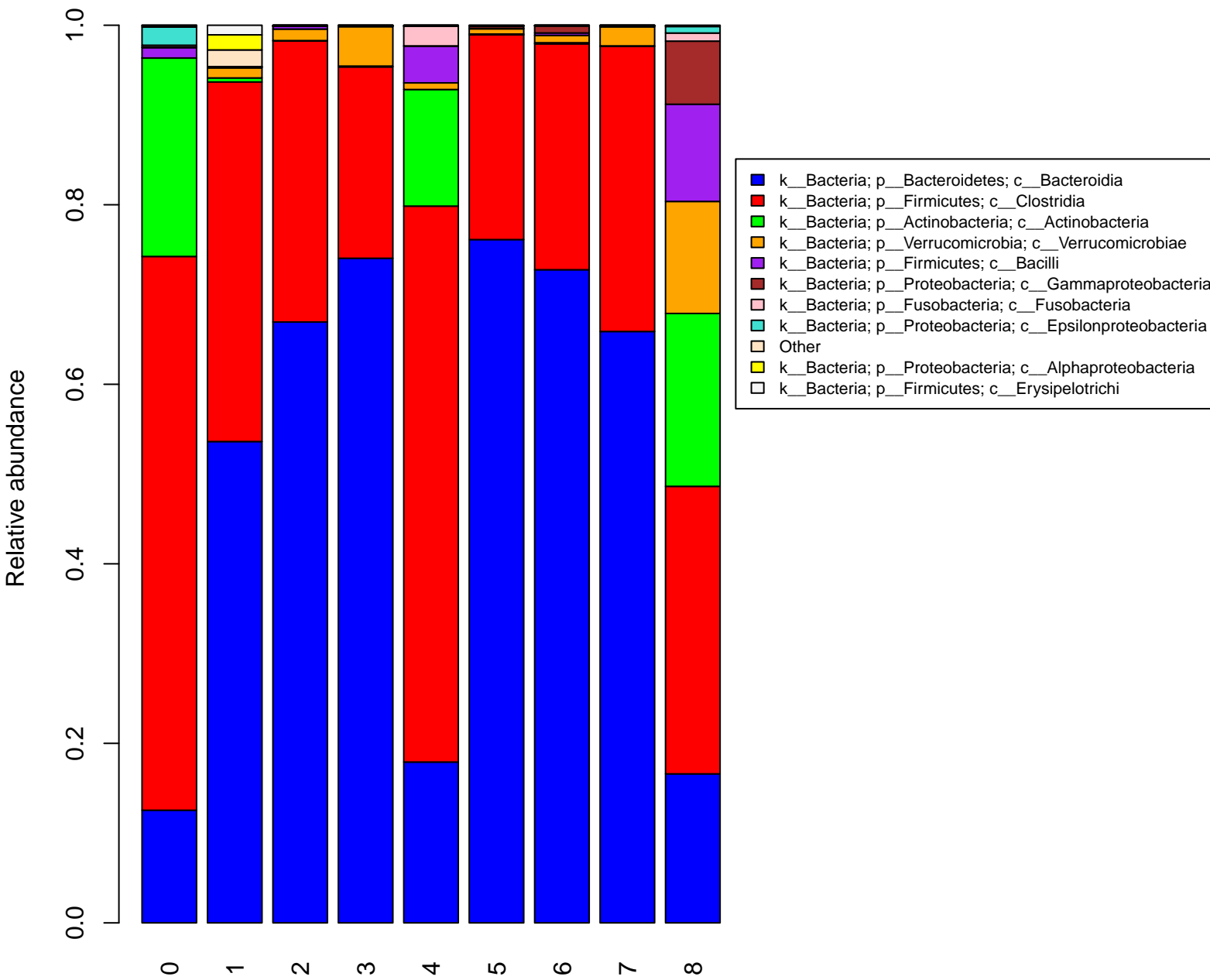


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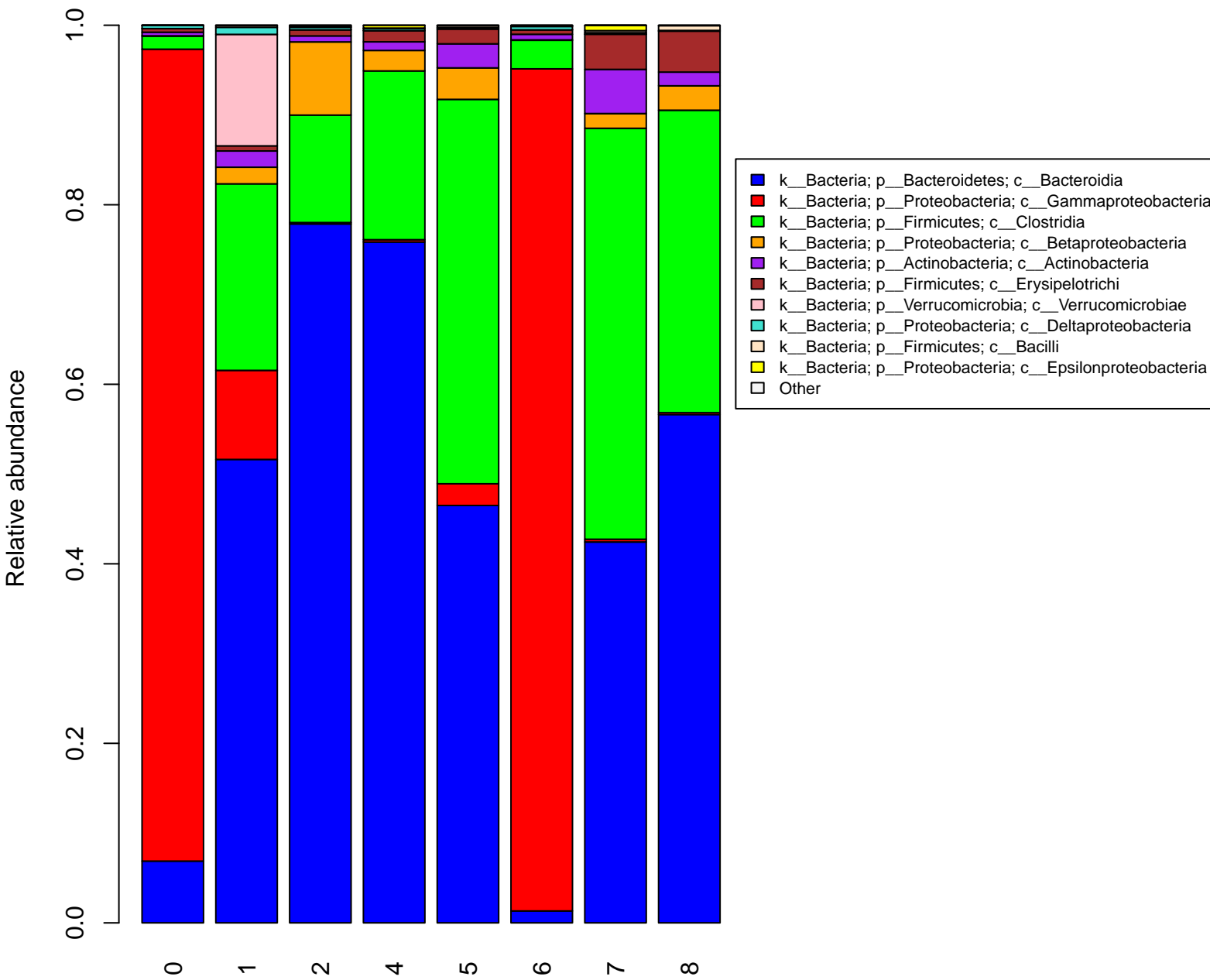
3

5

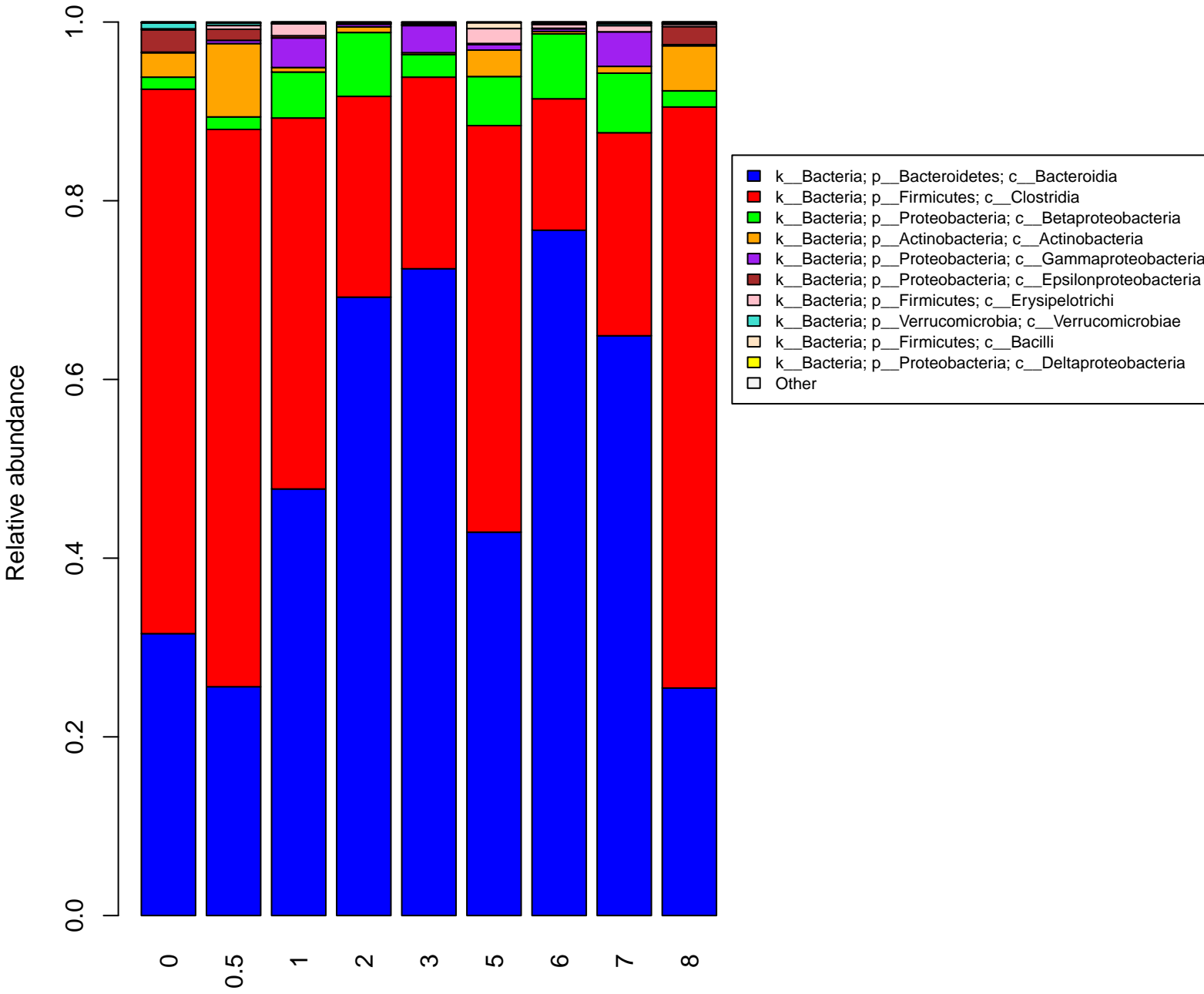
# CUB027



# CUB028

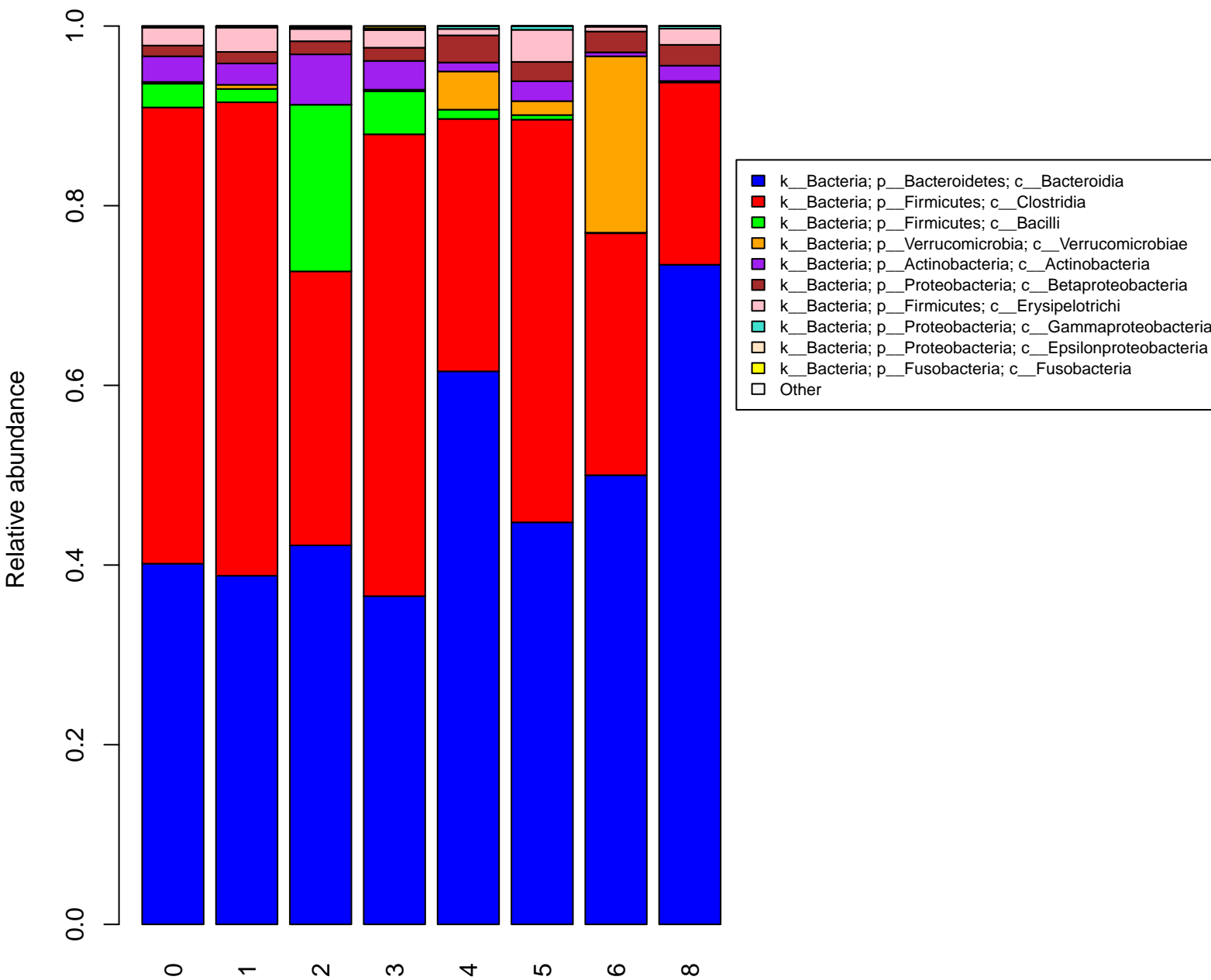


# CUB029

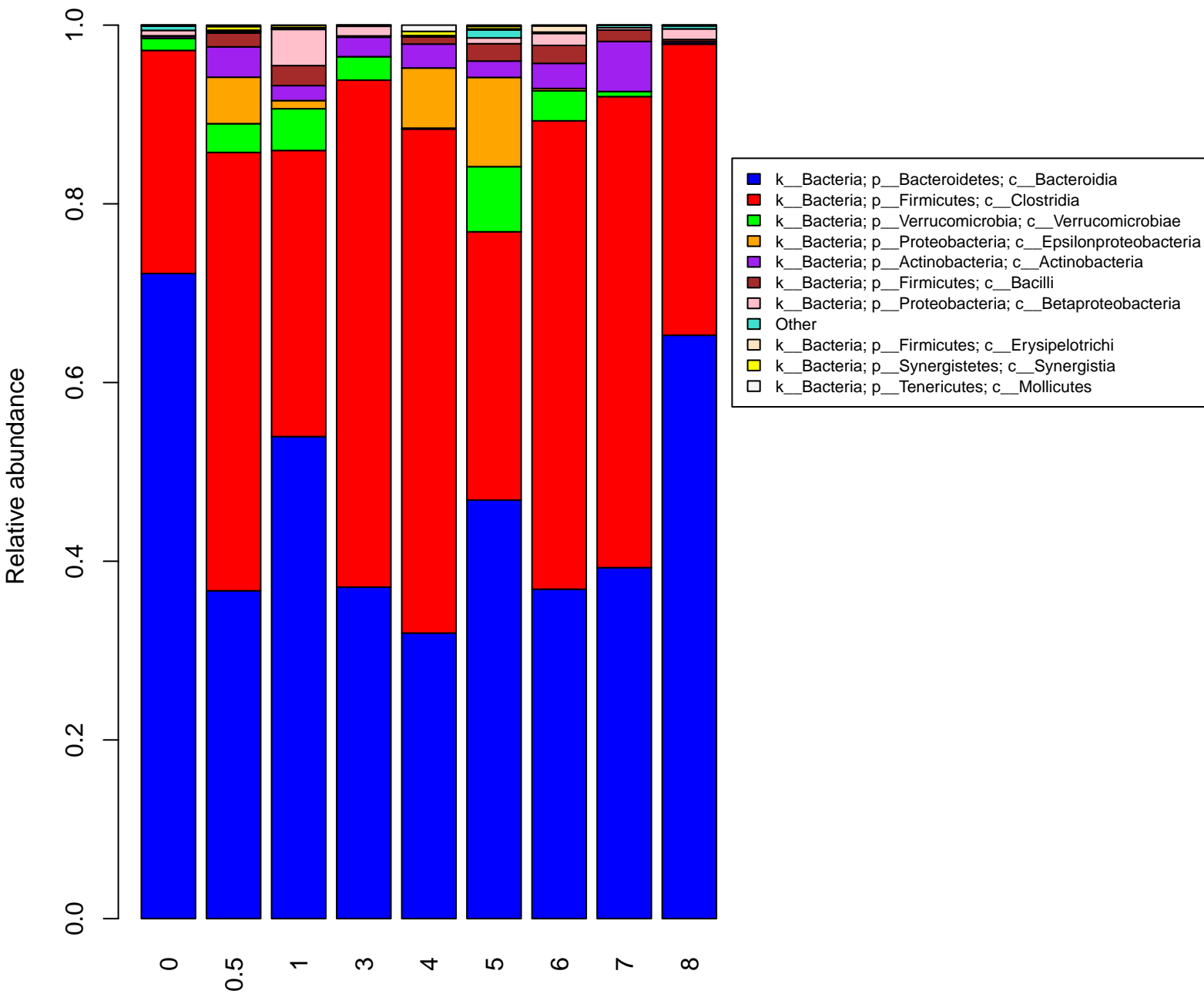




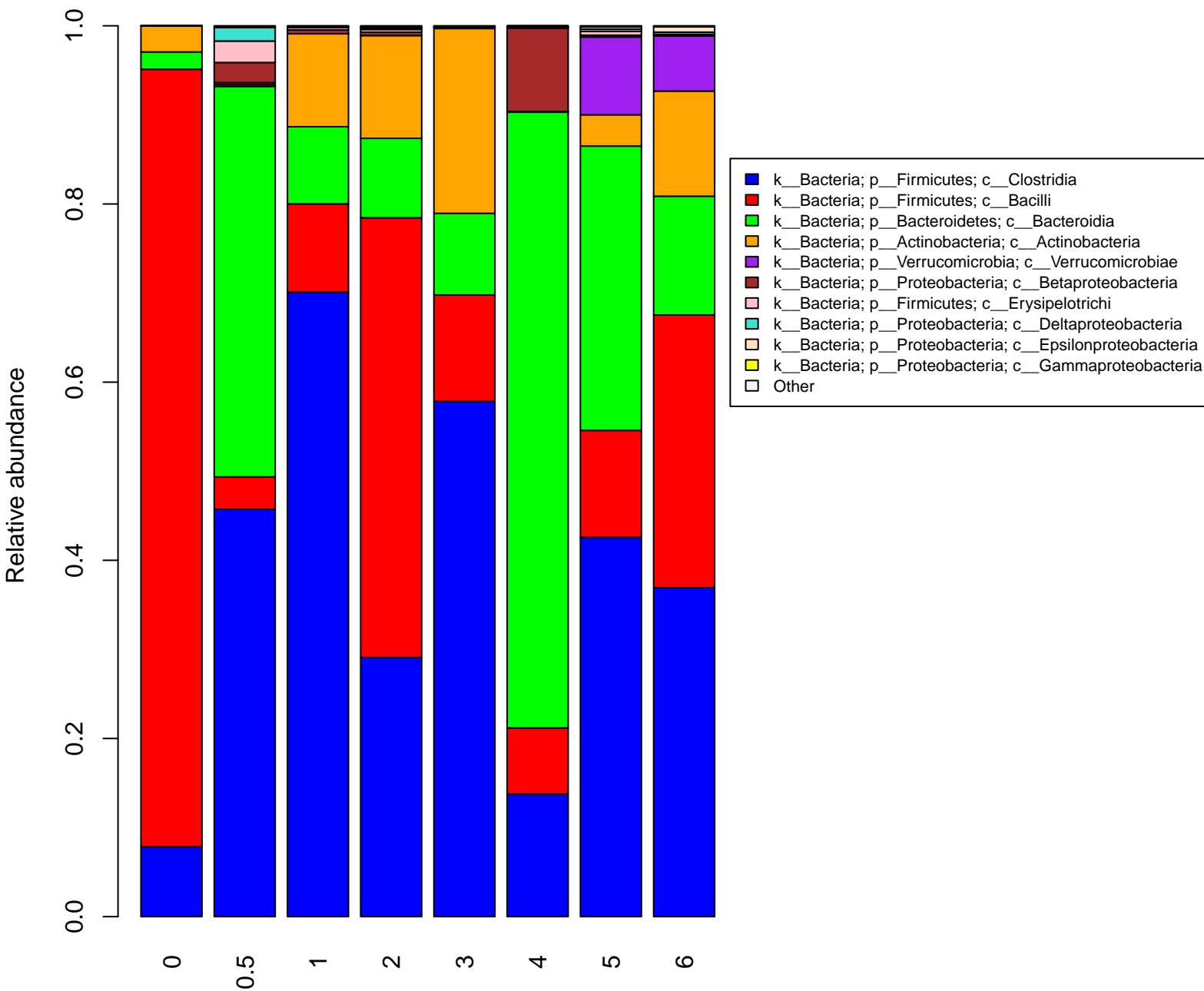
**CUB032**



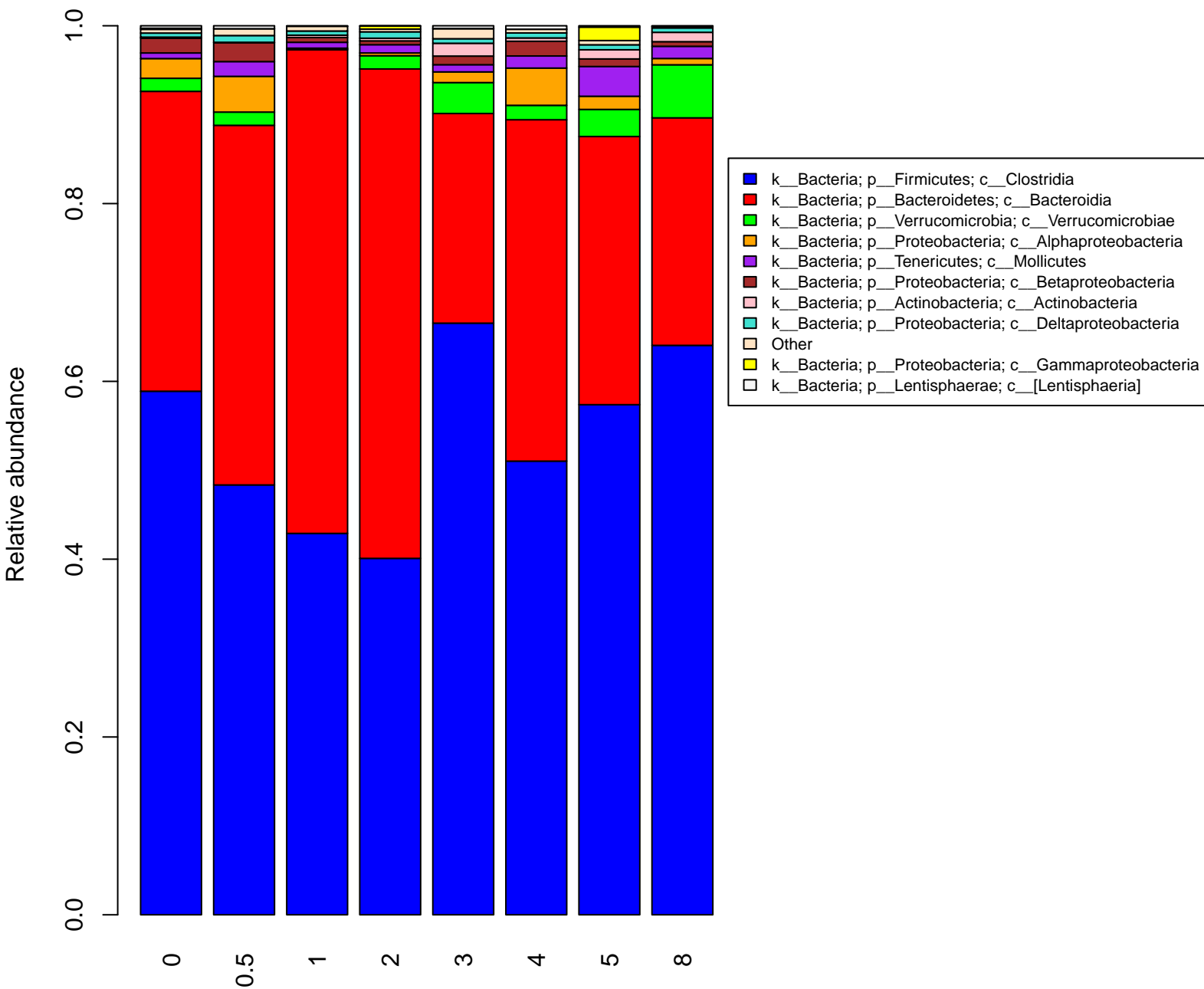
**CUB033**



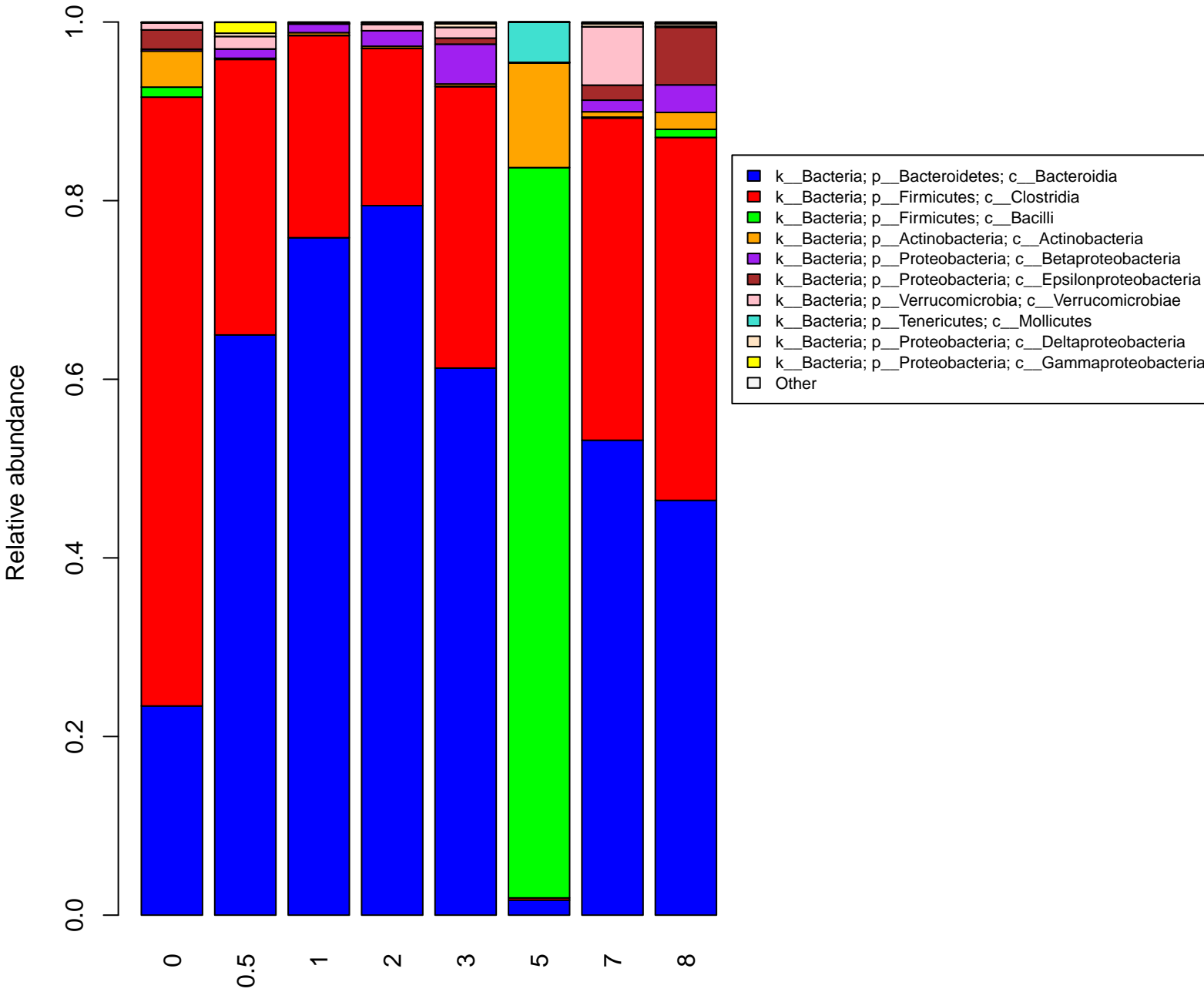
**CUB036**



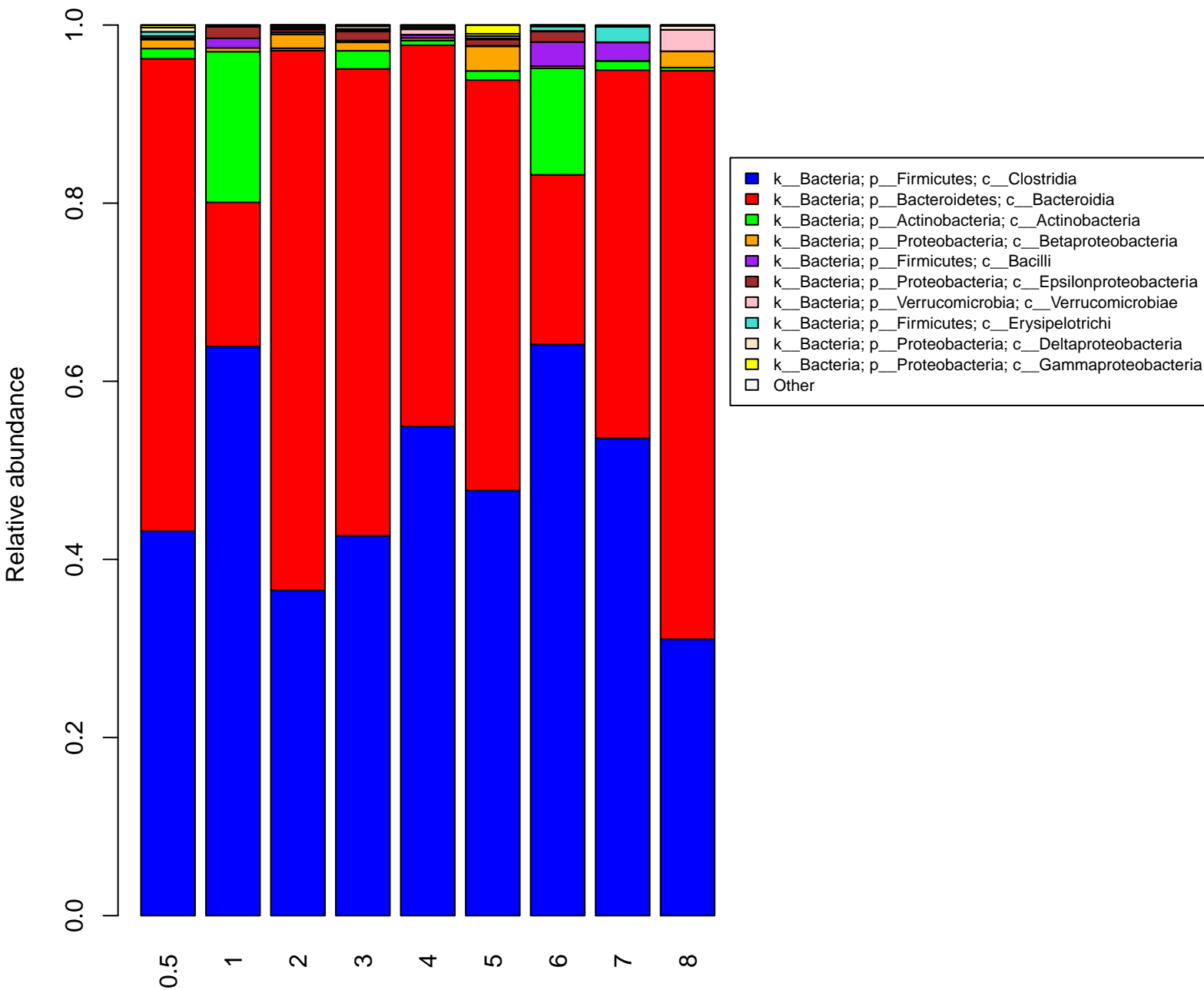
**CUB037**



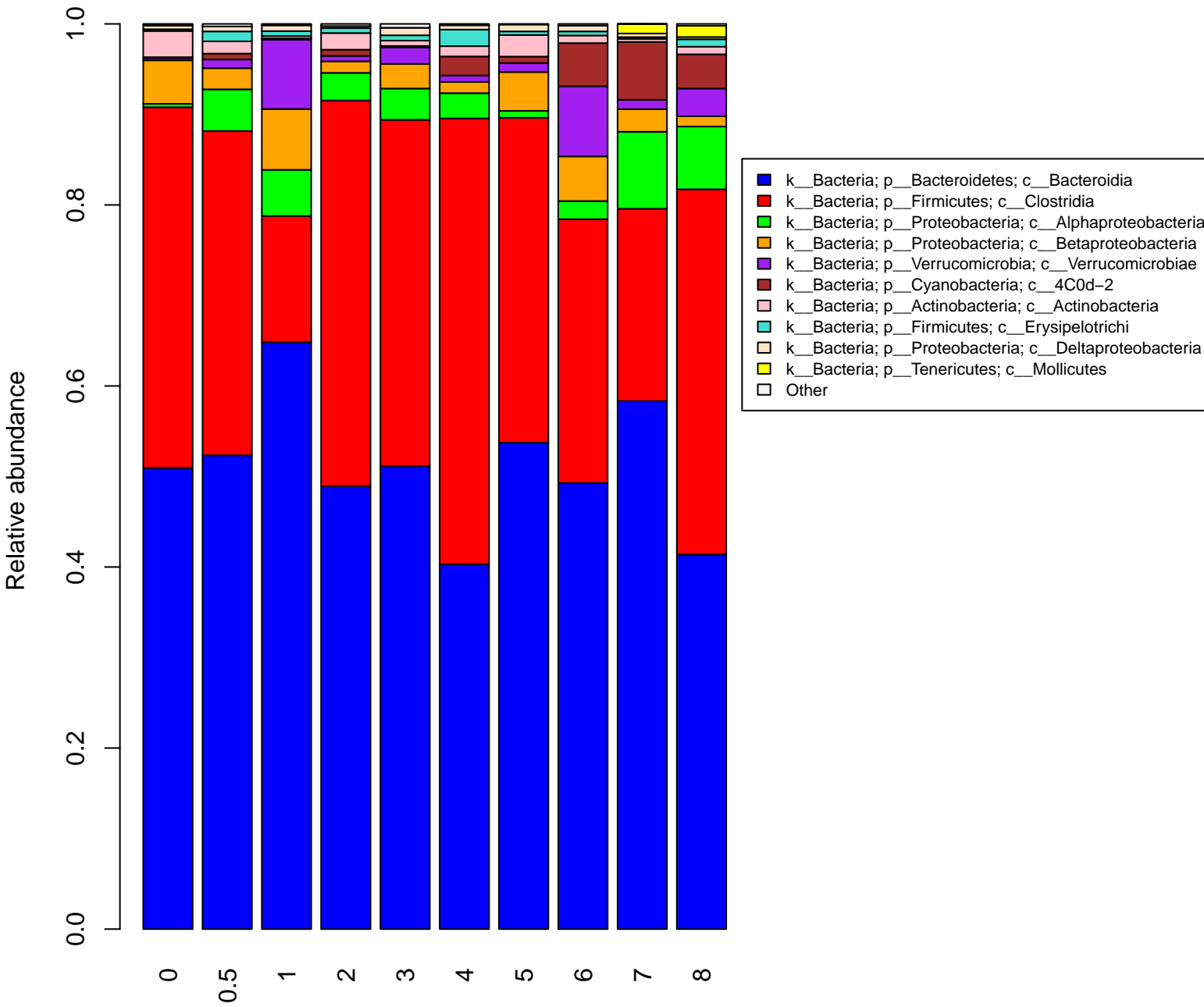
# CUB038



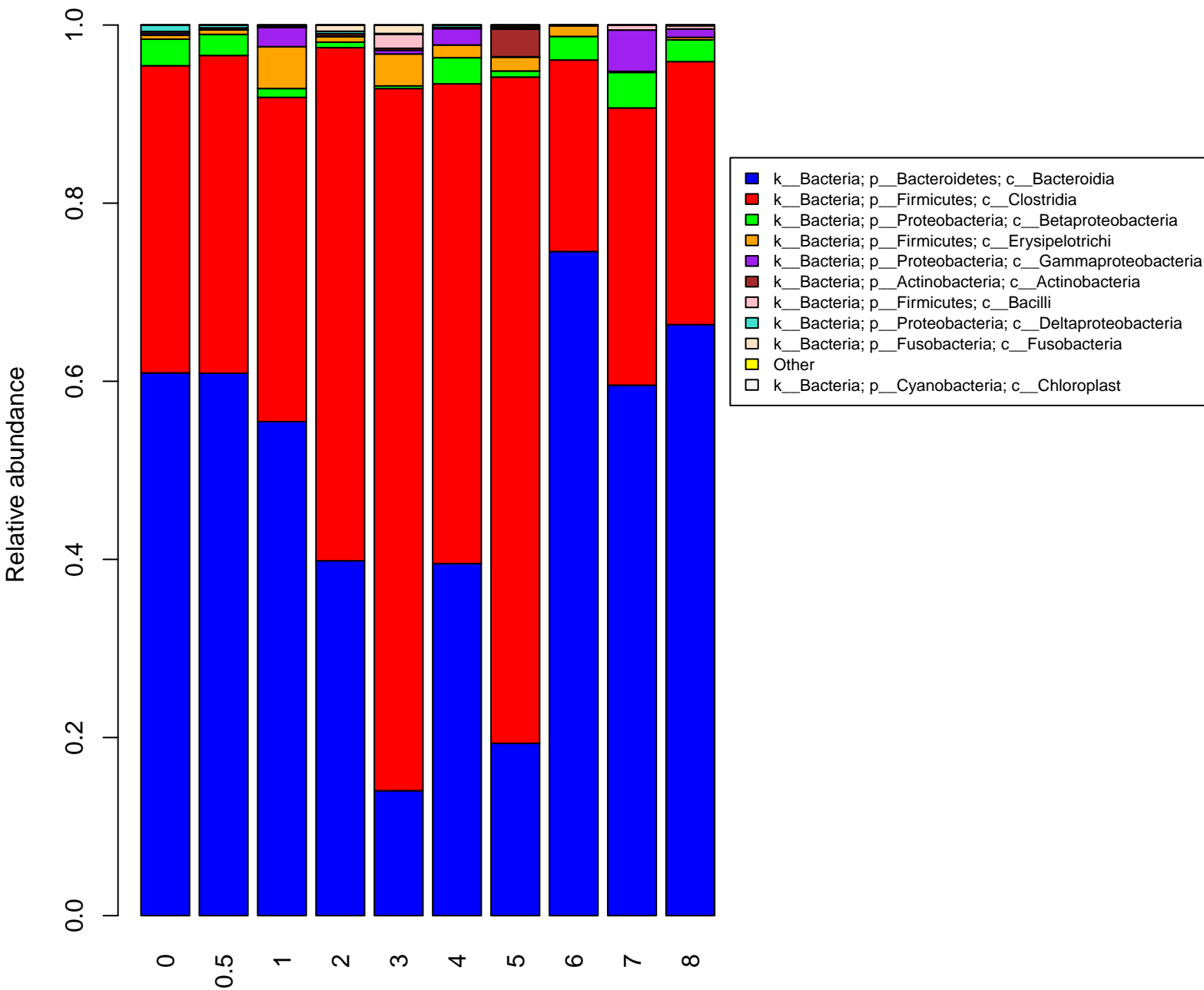
# CUB040



# CUB042

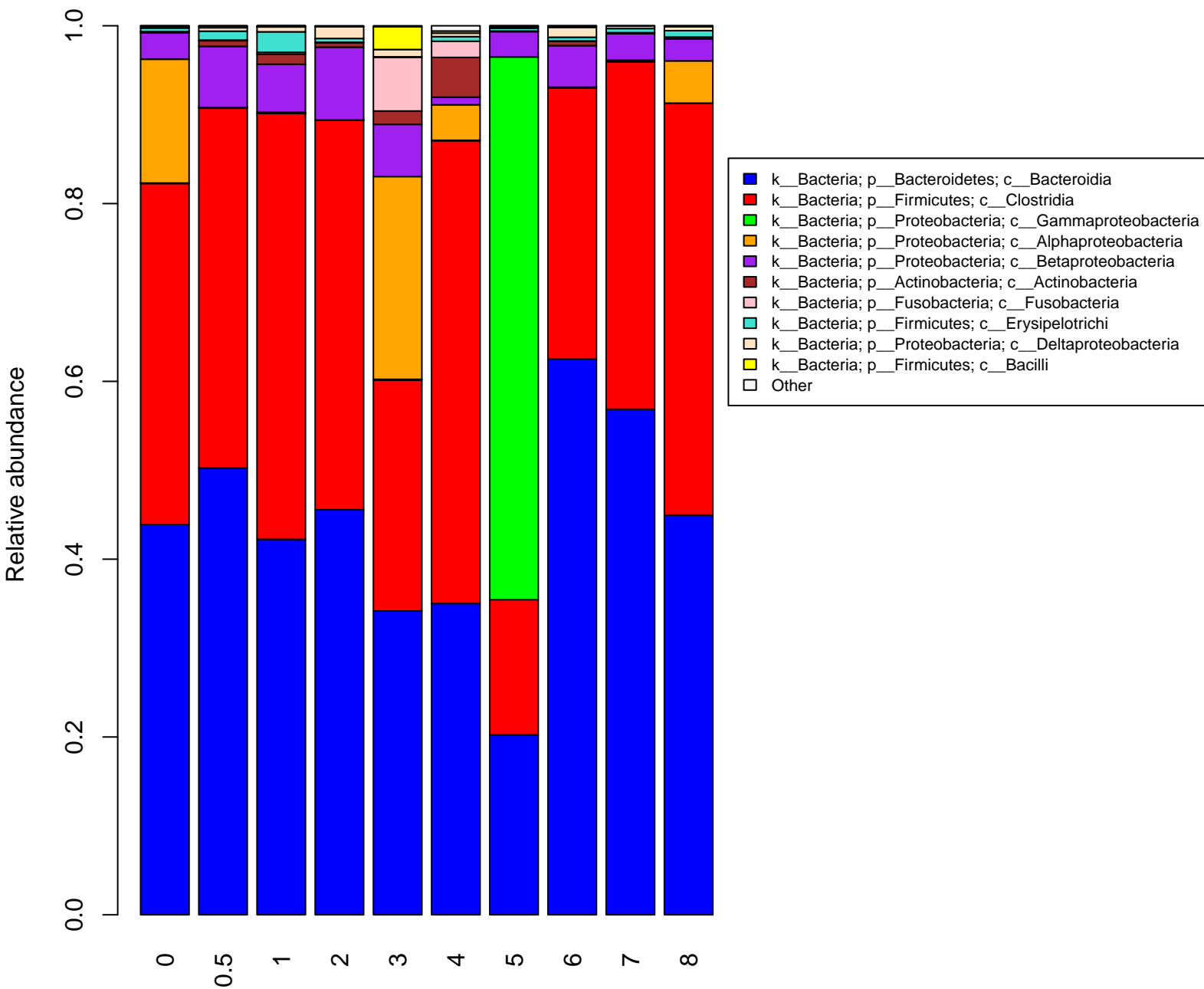


**CUB044**

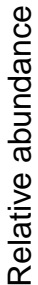




**CUB048**



**CUB049**



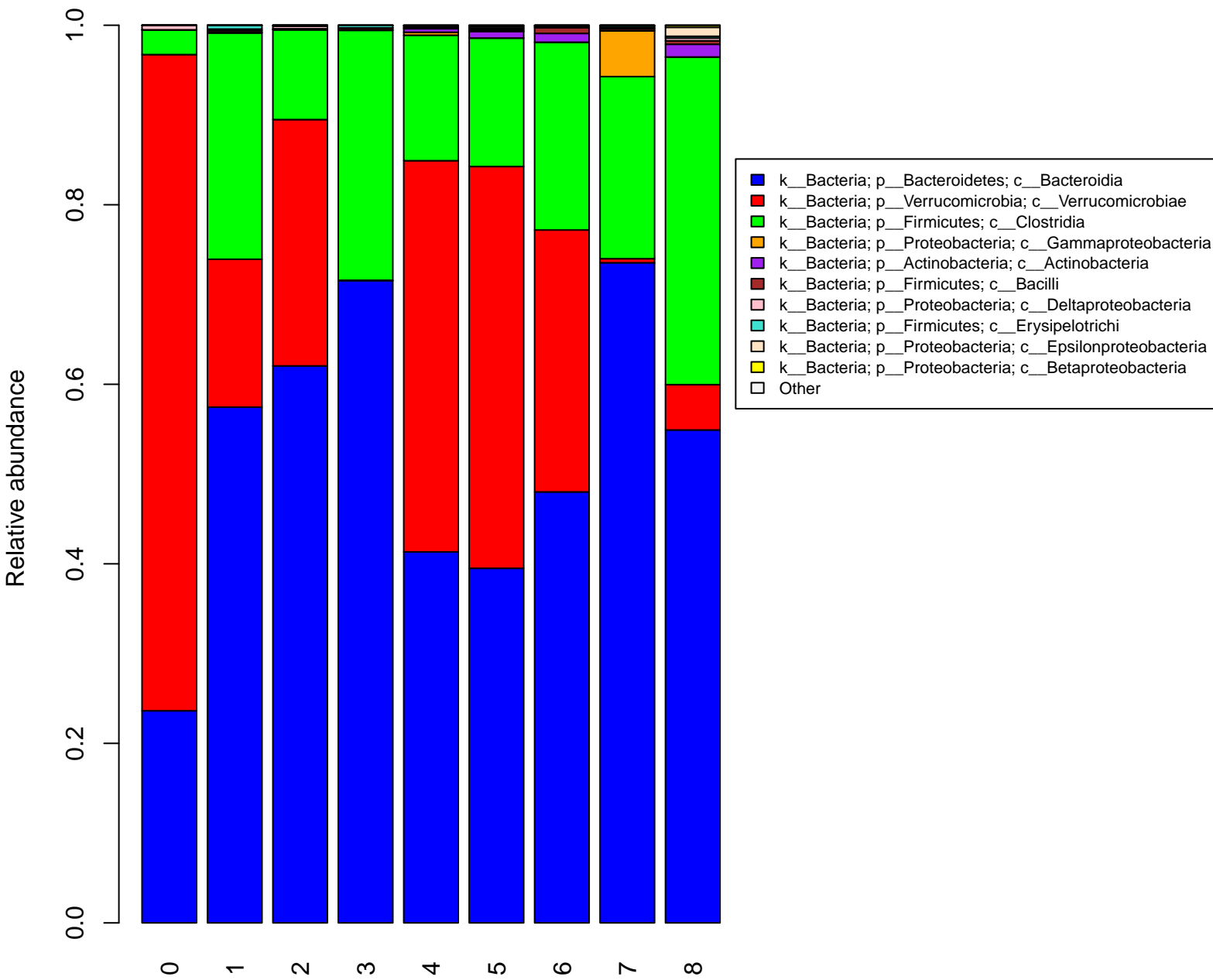
0.5

2

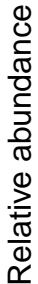
4

oo

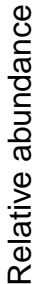
# CUB050



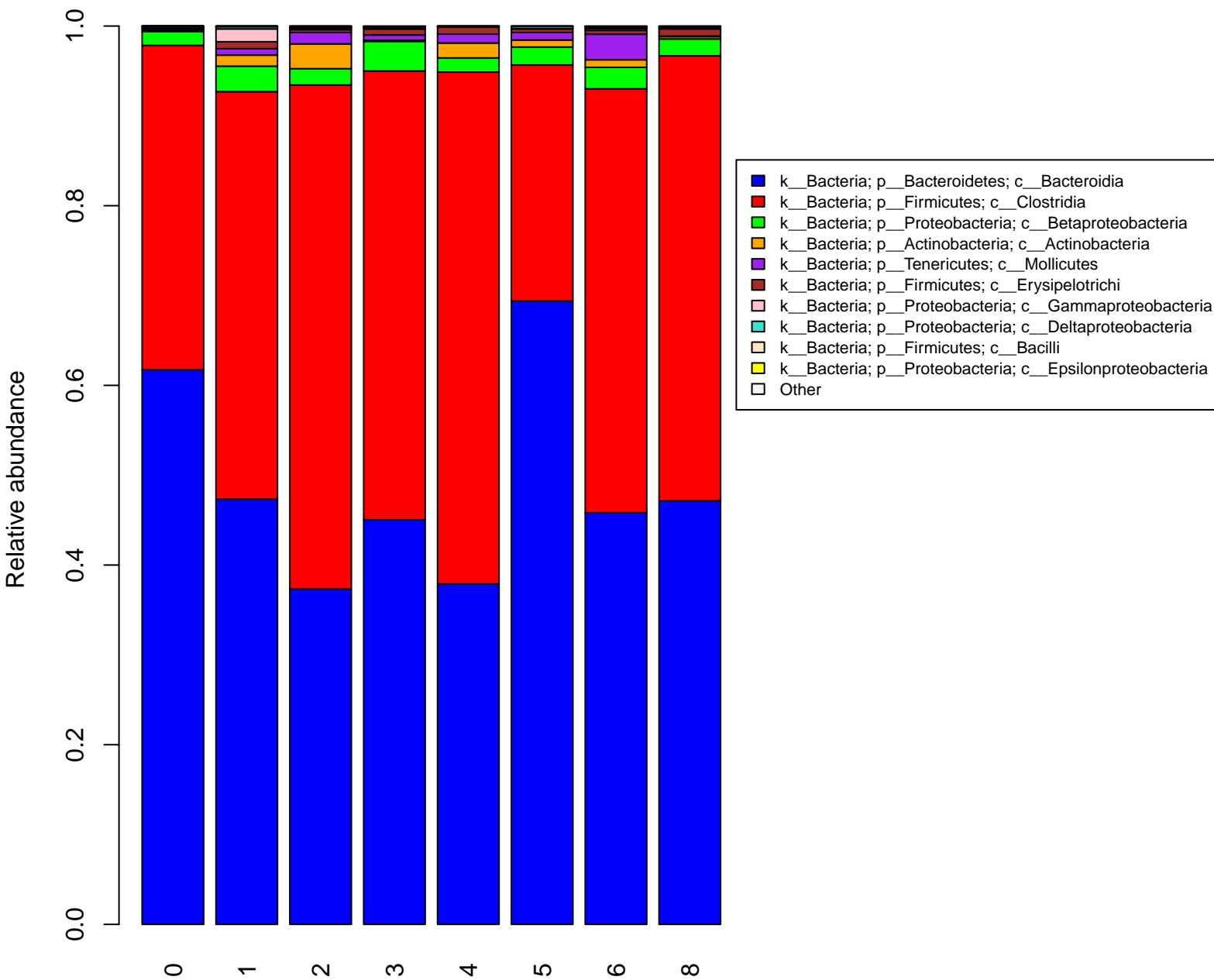
**CUB052**



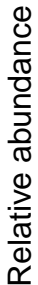
**CUB053**



**CUB056**



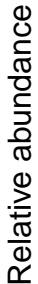
# NAU101



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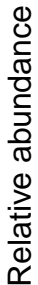
- k\_Bacteria; p\_Firmicutes; c\_Clostridia
- k\_Bacteria; p\_Bacteroidetes; c\_Bacteroidia
- k\_Bacteria; p\_Actinobacteria; c\_Actinobacteria
- k\_Bacteria; p\_Firmicutes; c\_Bacilli
- k\_Bacteria; p\_Proteobacteria; c\_Betaproteobacteria
- k\_Bacteria; p\_Proteobacteria; c\_Epsilonproteobacteria
- k\_Bacteria; p\_Proteobacteria; c\_Gammaproteobacteria
- k\_Bacteria; p\_Firmicutes; c\_Erysipelotrichi
- k\_Bacteria; p\_Fusobacteria; c\_Fusobacteria
- Other
- k\_Archaea; p\_Euryarchaeota; c\_Methanobacteria

# NAU105

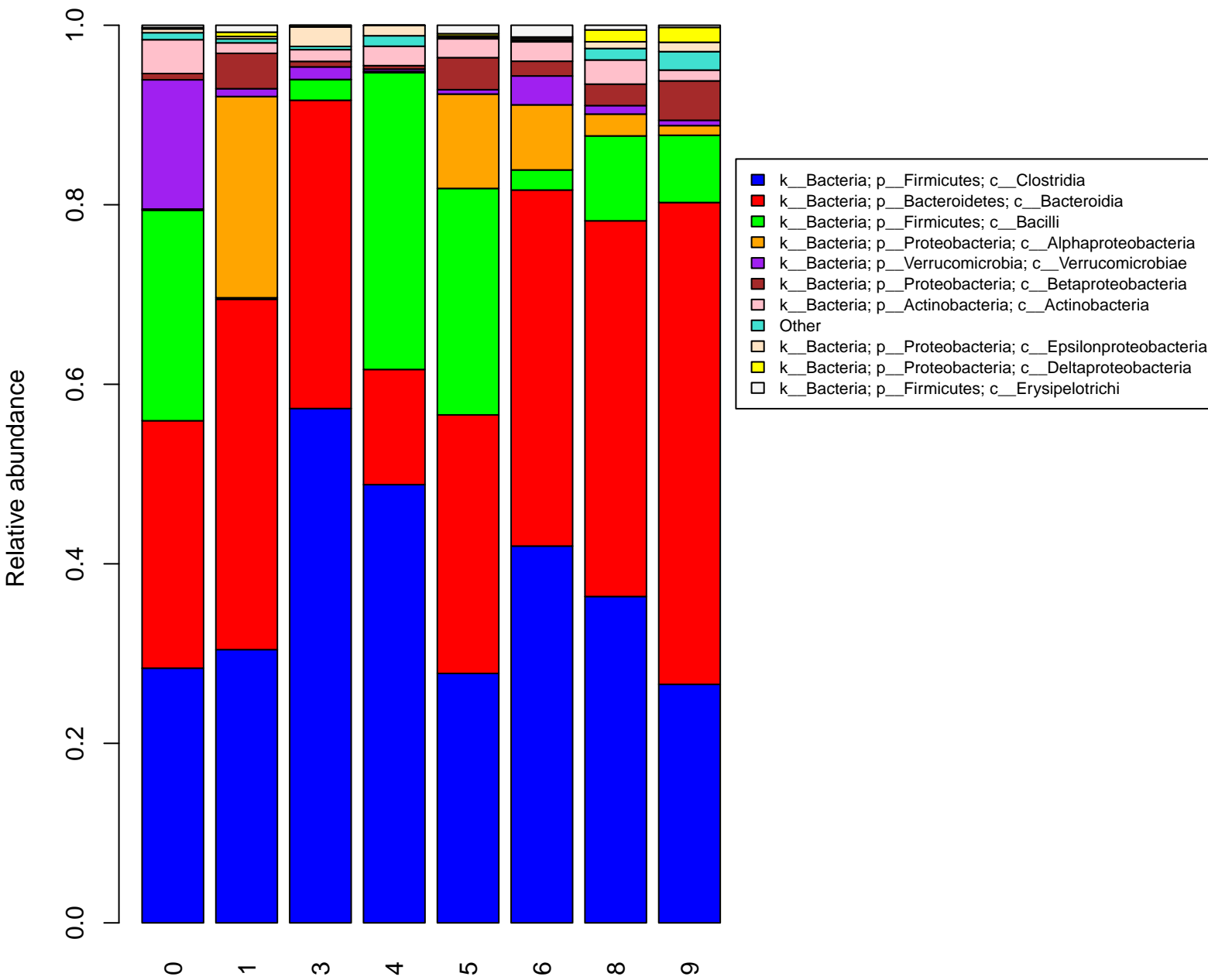




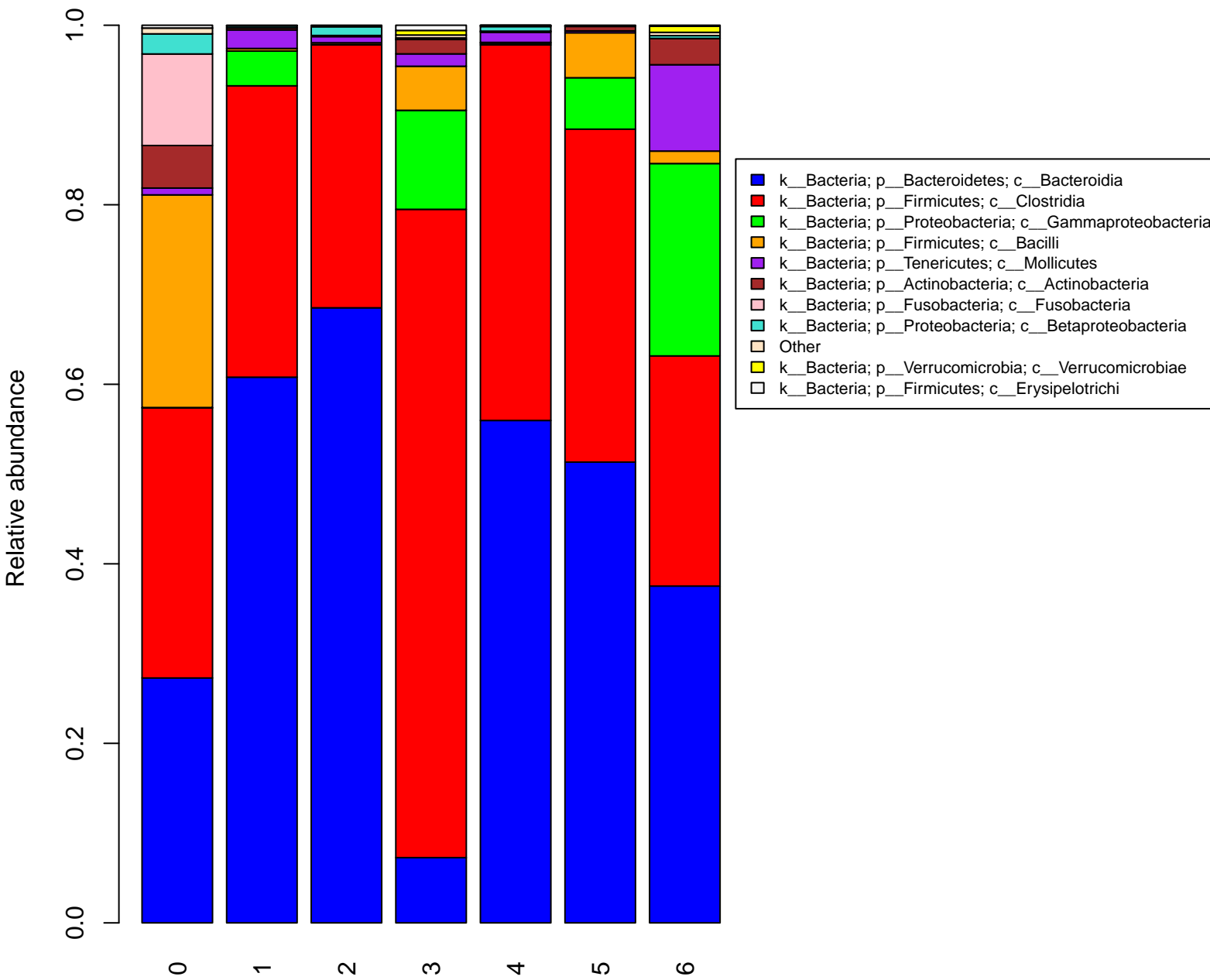
# NAU106



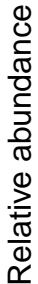
# NAU107



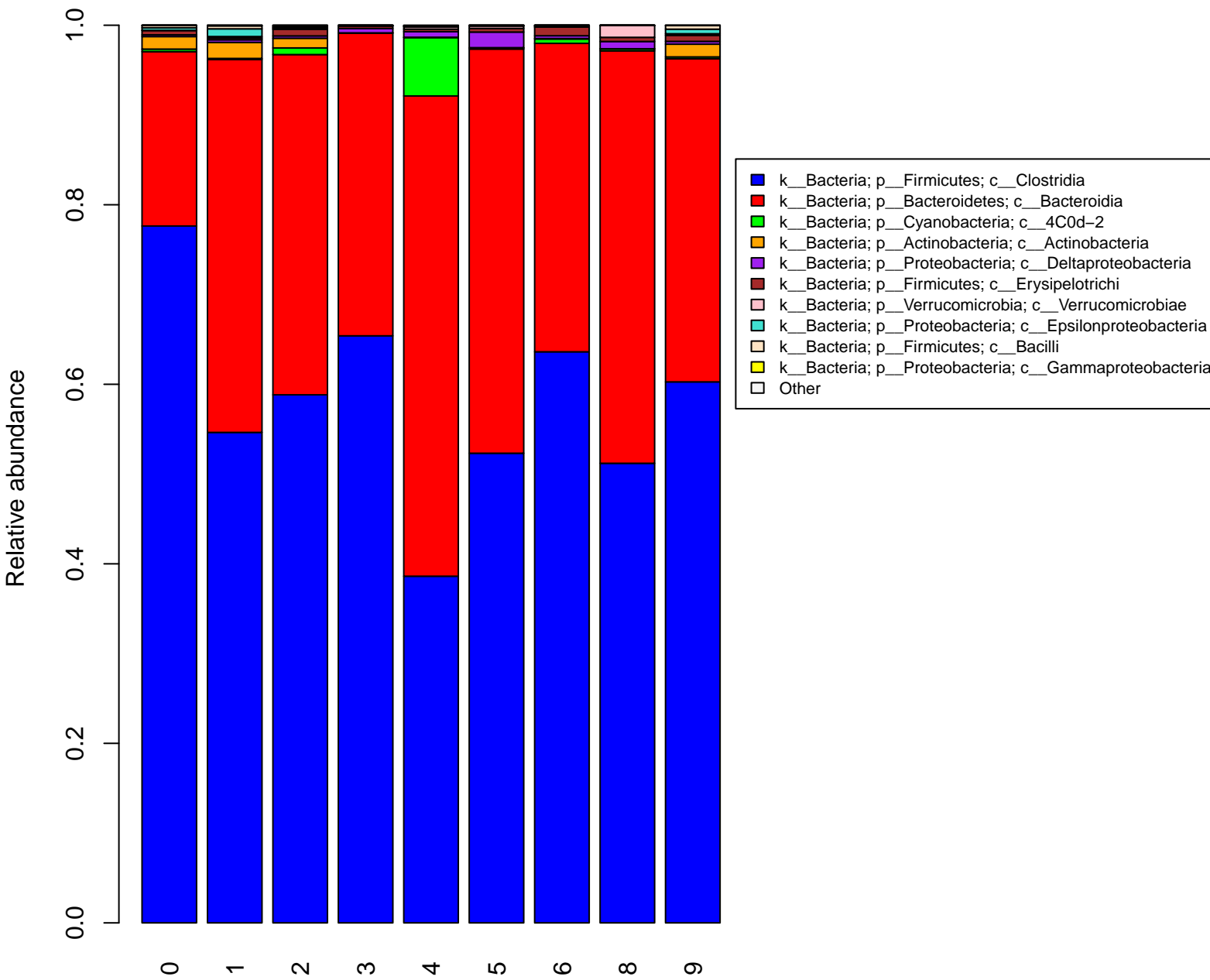
# NAU108



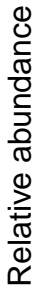
# NAU109



# NAU110



# NAU114



p	N_s^* (solid line)	N_s^c (dashed line)
0.0	1.00	1.00
0.2	0.85	0.95
0.4	0.70	0.85
0.6	0.55	0.75
0.8	0.45	0.65
1.0	0.40	0.60

p	N_s (Exact)	N_s (Mean-field)
0.0	1.00	1.00
0.2	0.85	0.80
0.4	0.65	0.55
0.6	0.45	0.35
0.8	0.25	0.15
1.0	0.05	0.00

## 0.2

4.

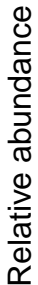
9

33

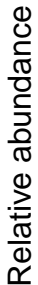
## 1.0

- ☒ k\_\_Bacteria; p\_\_Firmicutes; c\_\_Clostridia
- ☒ k\_\_Bacteria; p\_\_Bacteroidetes; c\_\_Bacteroidia
- ☒ k\_\_Bacteria; p\_\_Firmicutes; c\_\_Bacilli
- ☒ k\_\_Bacteria; p\_\_Actinobacteria; c\_\_Actinobacteria
- ☒ k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Epsilonproteobacteria
- ☒ k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Betaproteobacteria
- ☒ k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Deltaproteobacteria
- ☒ k\_\_Bacteria; p\_\_Firmicutes; c\_\_Erysipelotrichi
- ☒ k\_\_Bacteria; p\_\_Verrucomicrobia; c\_\_Verrucomicrobiae
- ☒ Other
- ☐ k\_\_Bacteria; p\_\_Proteobacteria; c\_\_Gammaproteobacteria

# NAU117

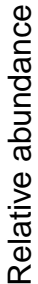


# NAU119

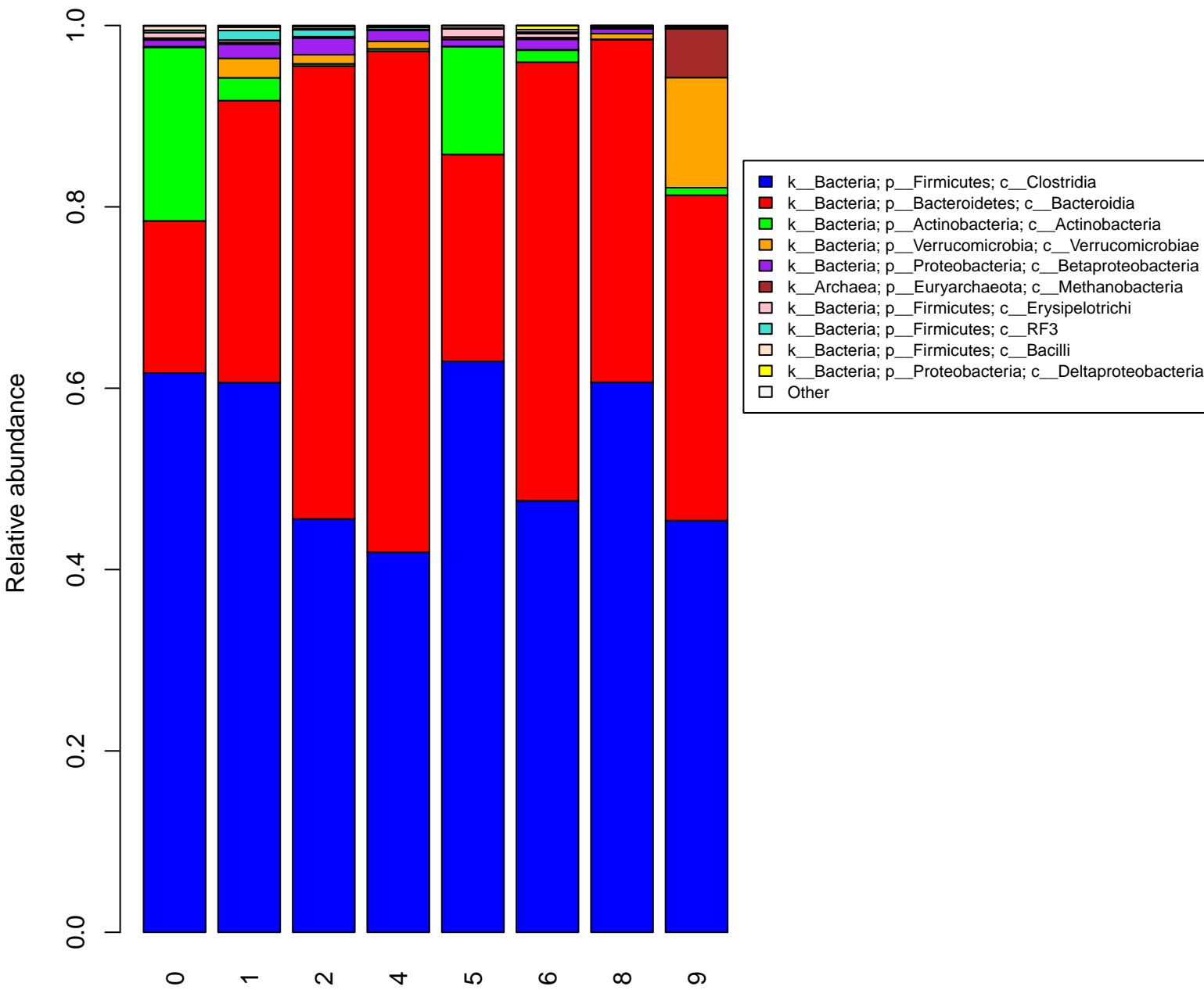




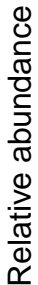
# NAU121



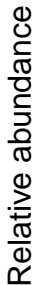
# NAU123



## NAU124

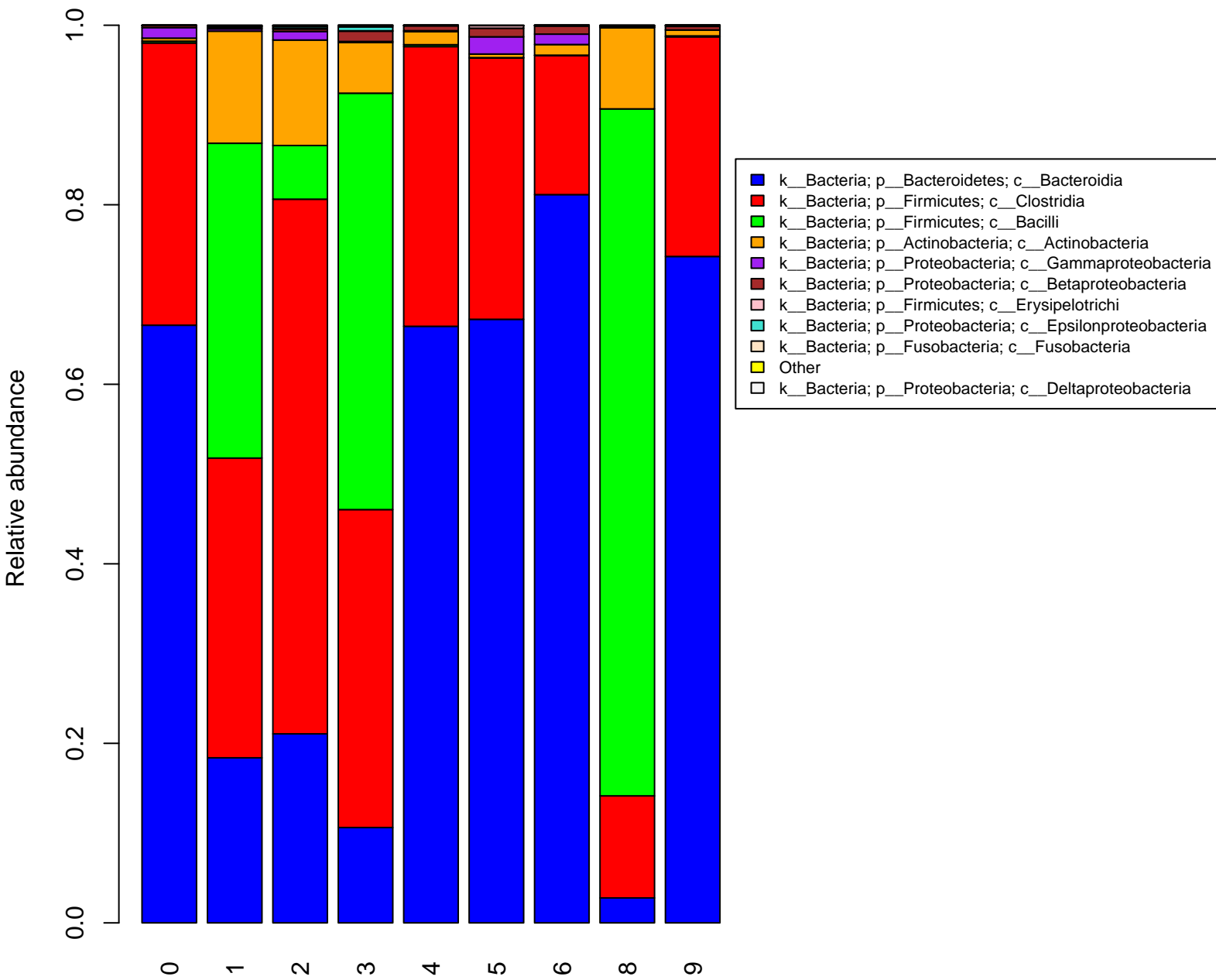


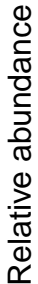
# NAU129

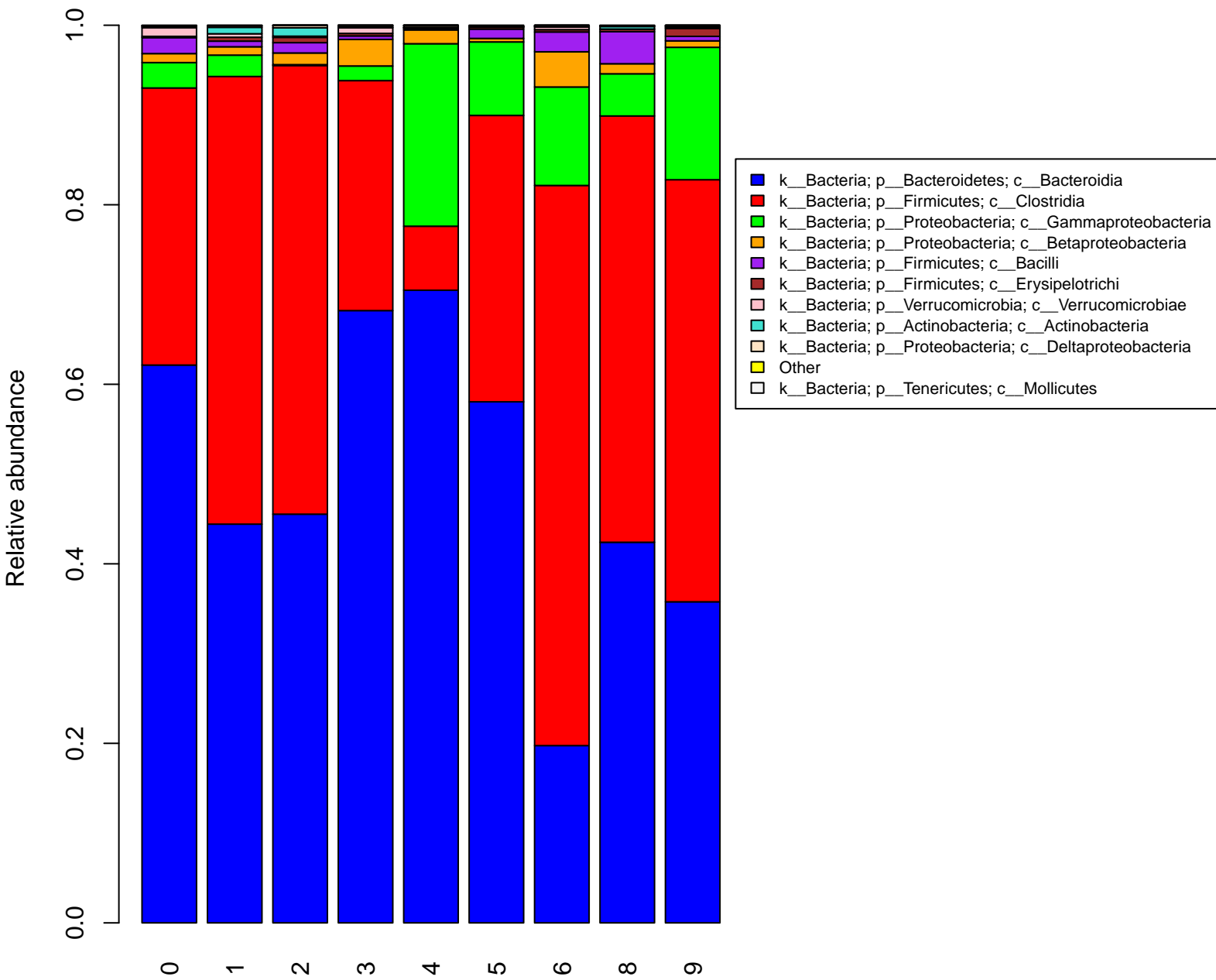


# NAU130

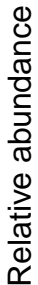


**NAU132**

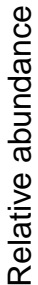
**NAU133**

**NAU136**

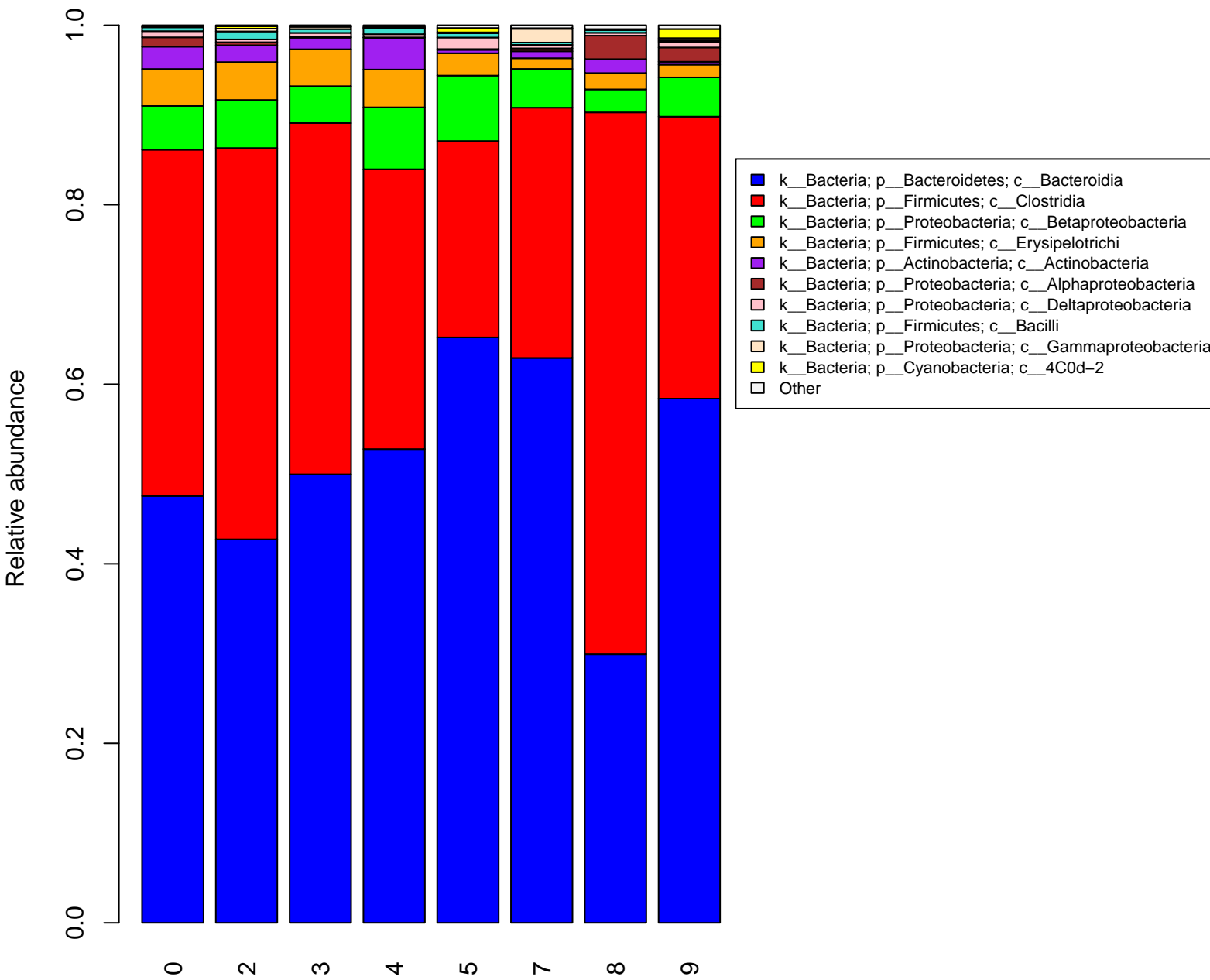


**NAU137**

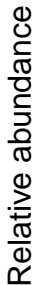
# NAU139



# NAU144



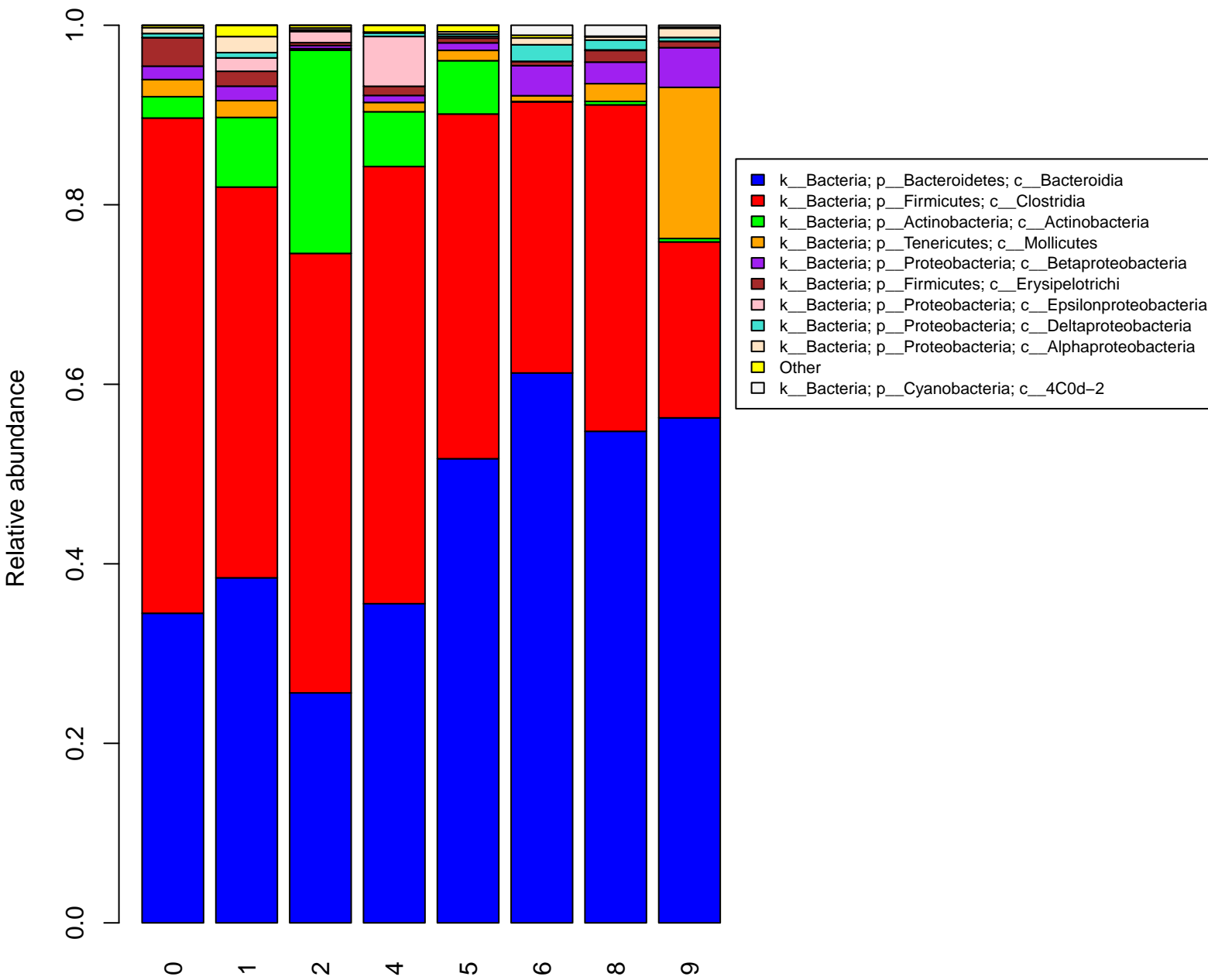
# NAU146



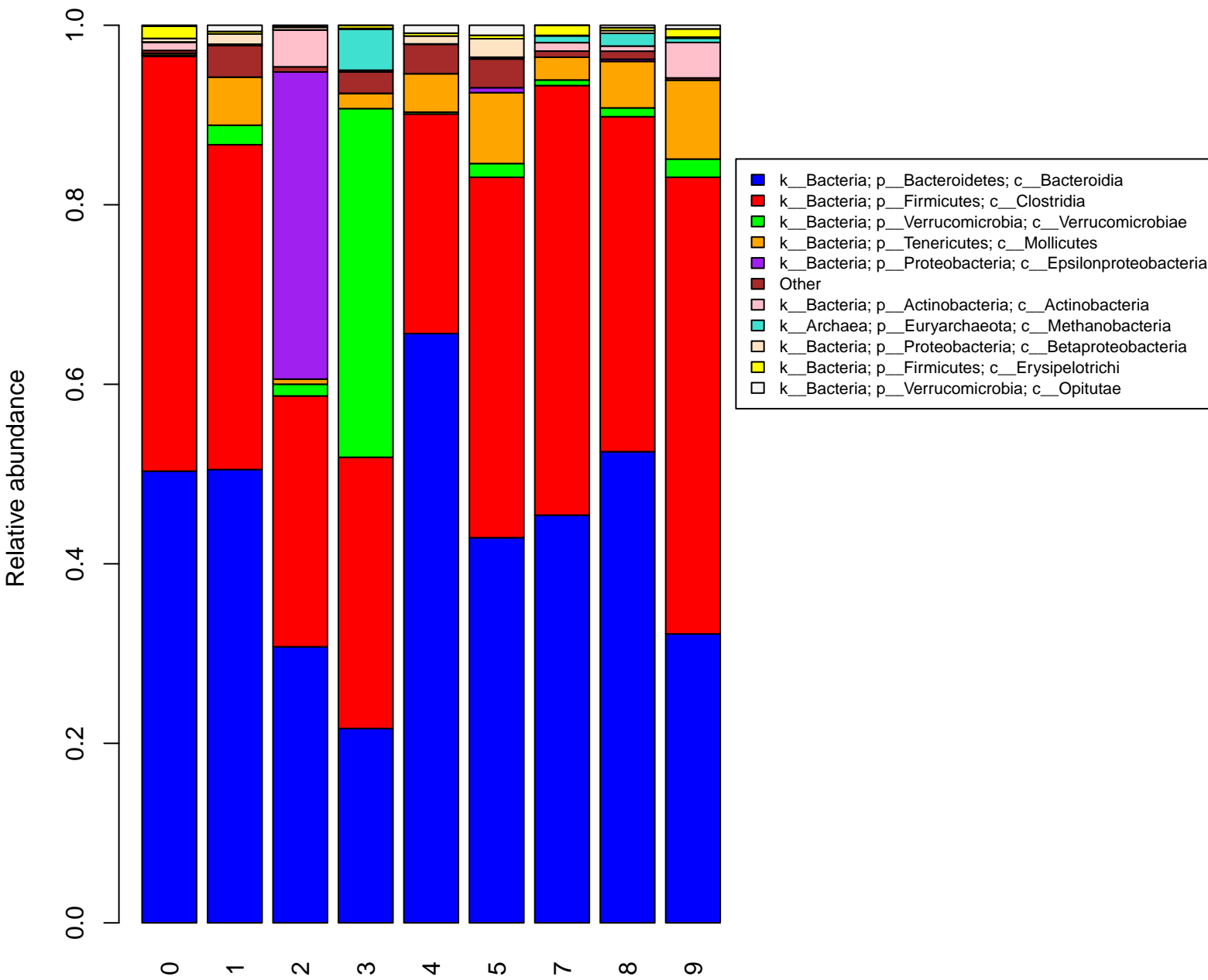
# NAU147



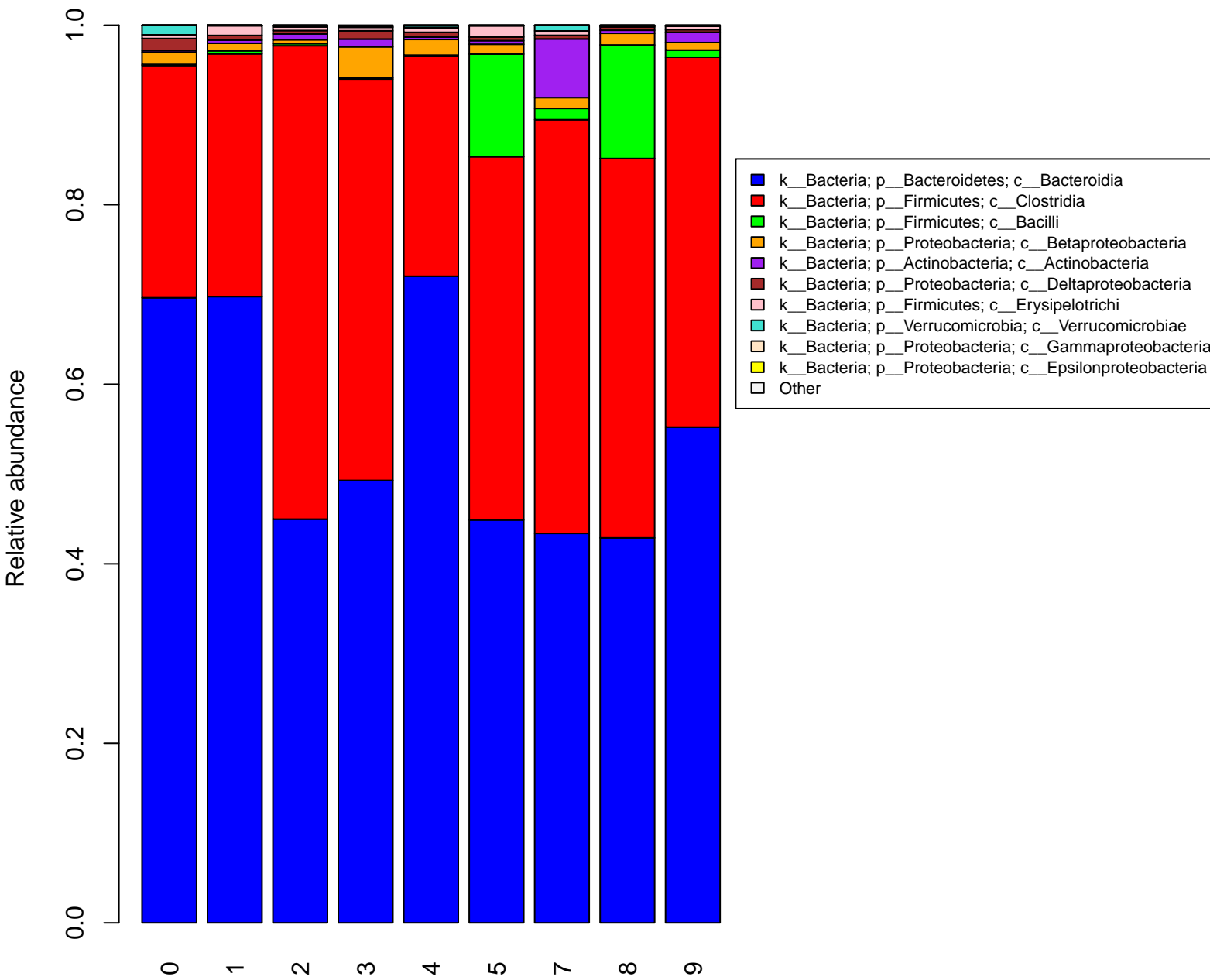
# NAU148



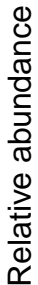
# NAU149



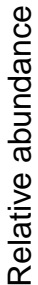
# NAU150



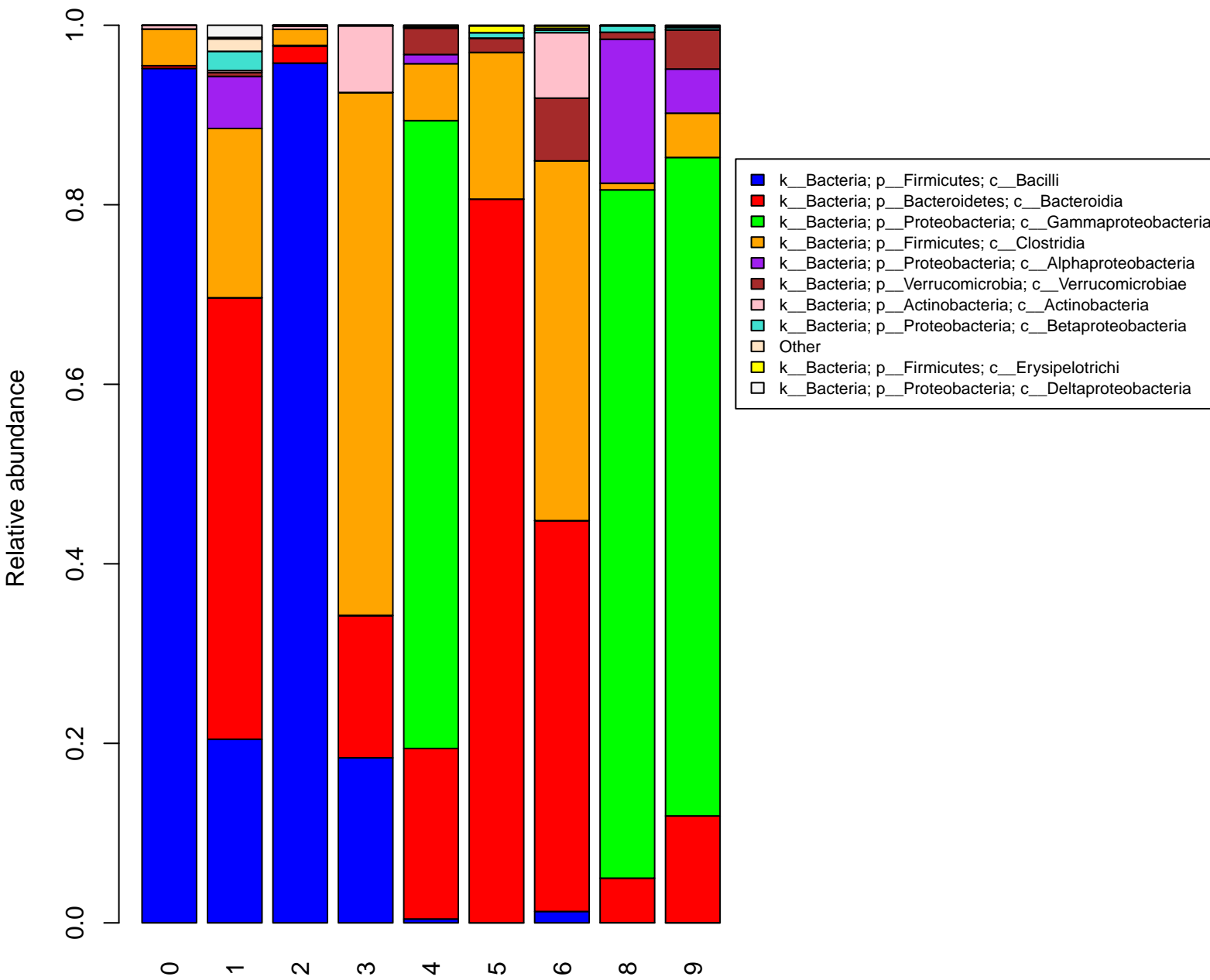


**NAU153**

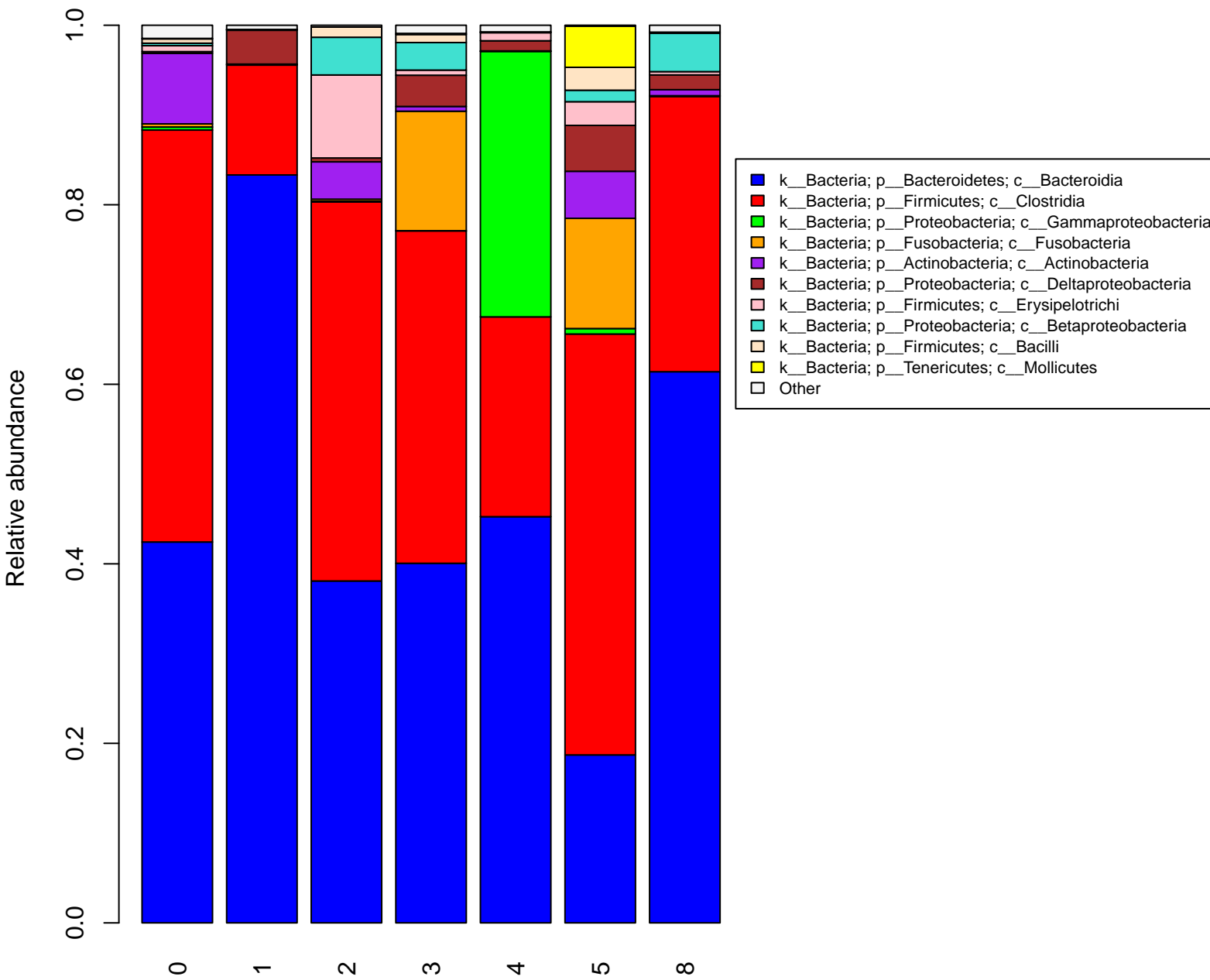
# NAU154



# NAU155



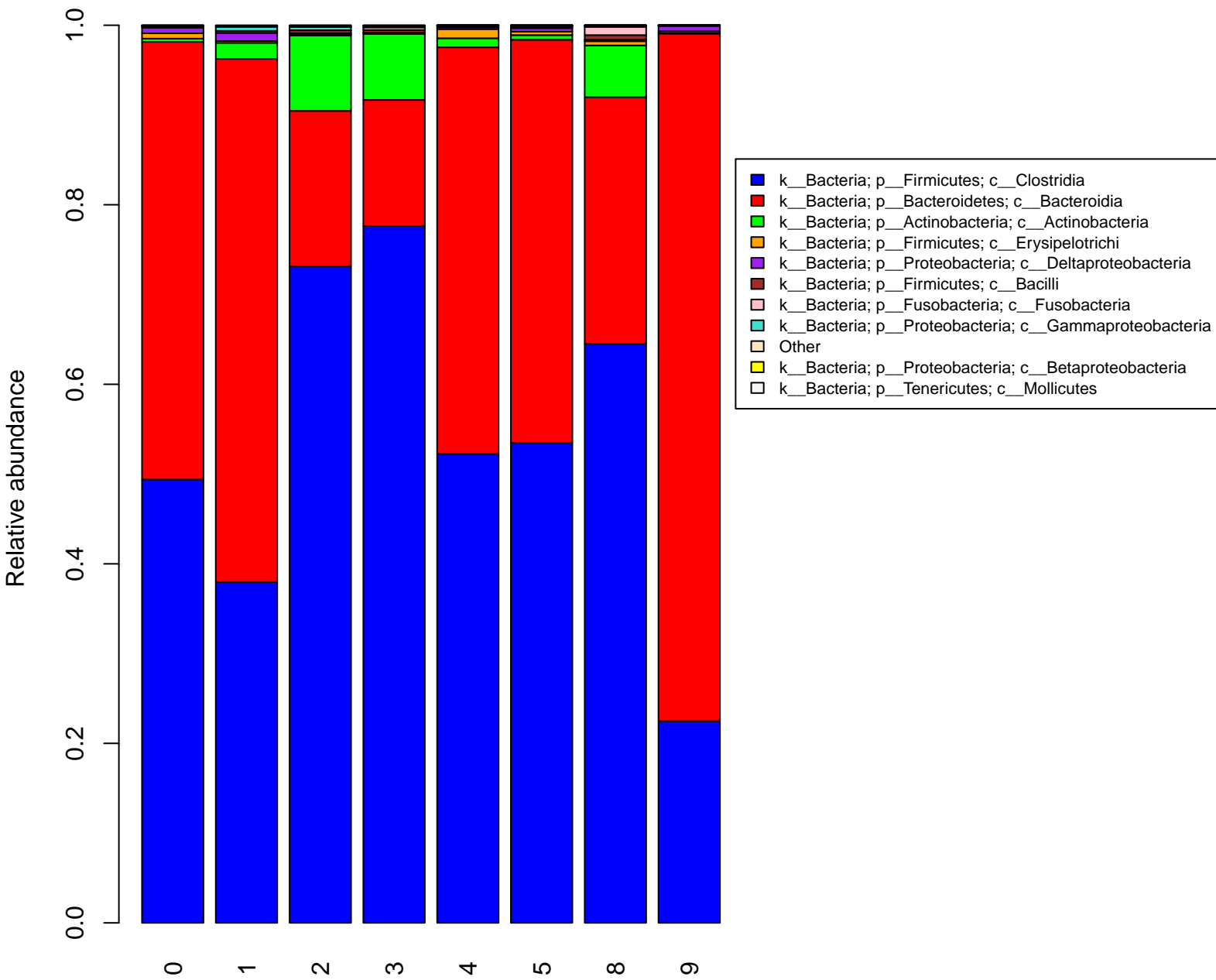
# NAU156



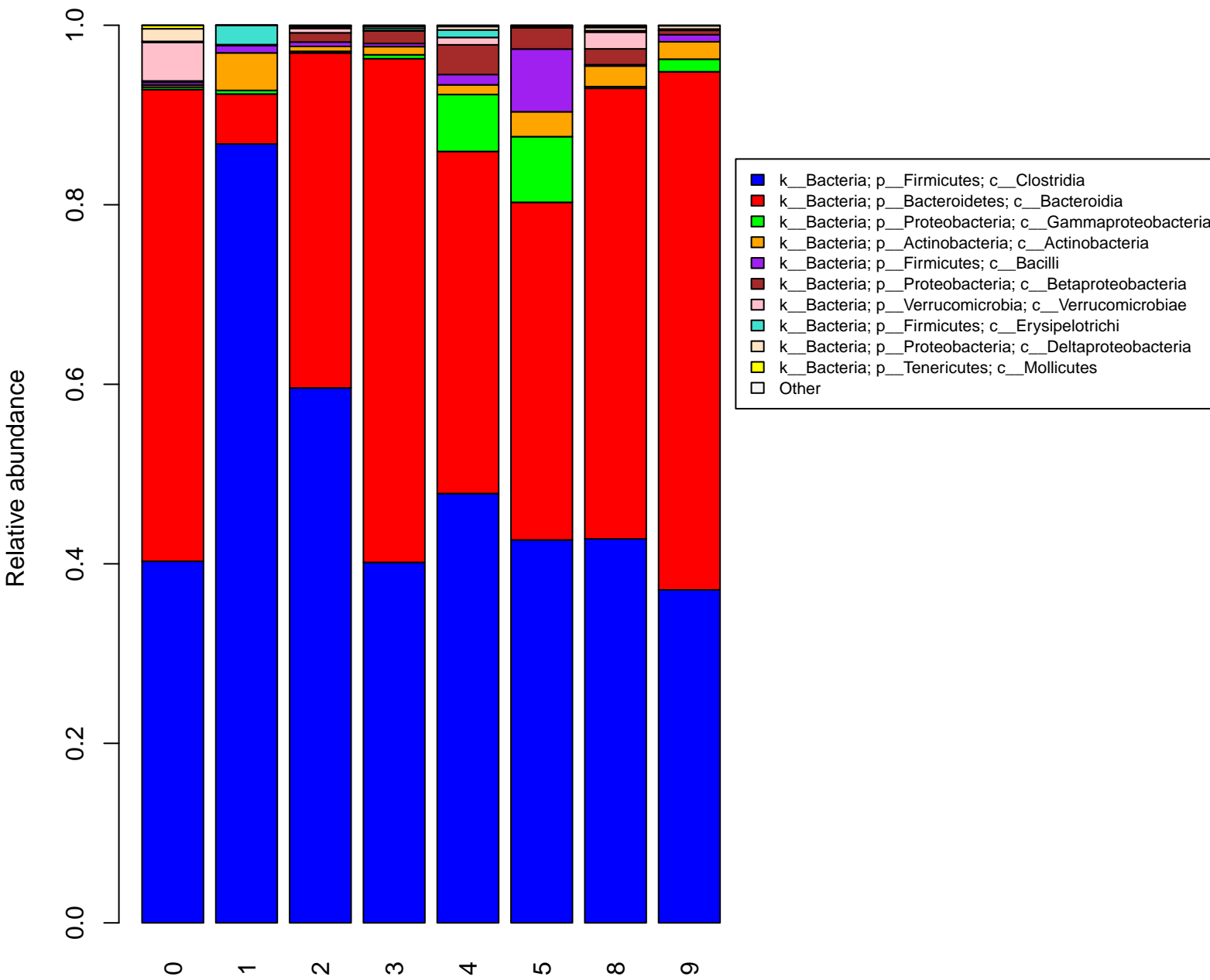
# NAU157

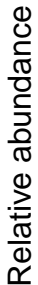













# NAU159



# NAU160

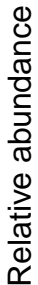


**NAU164**

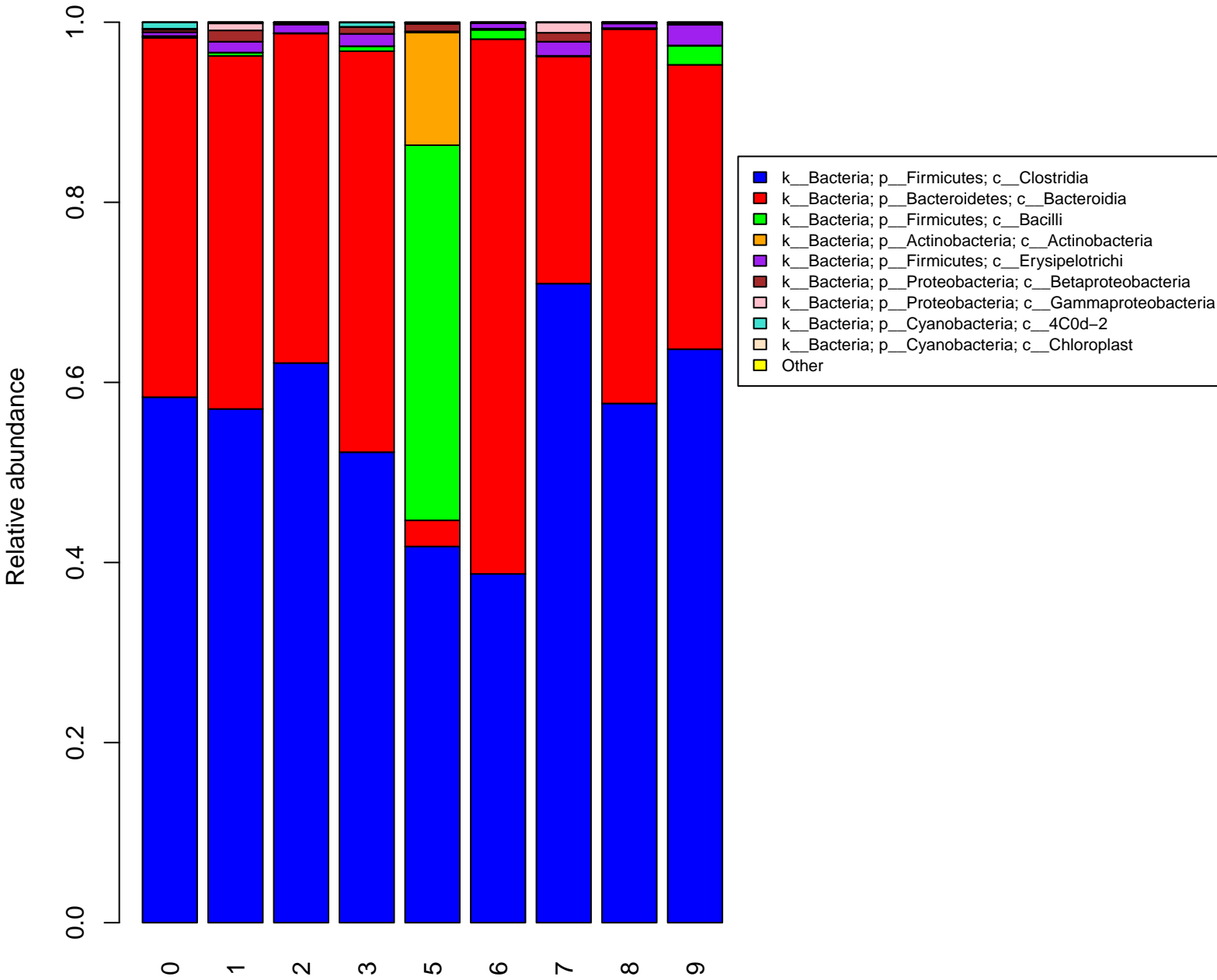
	k__Bacteria; p__Firmicutes; c__Clostridia
	k__Bacteria; p__Bacteroidetes; c__Bacteroidia
	k__Bacteria; p__Proteobacteria; c__Betaproteobacteria
	k__Bacteria; p__Actinobacteria; c__Actinobacteria
	k__Bacteria; p__Firmicutes; c__Bacilli
	k__Bacteria; p__Verrucomicrobia; c__Verrucomicrobiae
	k__Bacteria; p__Proteobacteria; c__Deltaproteobacteria
	k__Bacteria; p__Proteobacteria; c__Epsilonproteobacteria
	k__Bacteria; p__Proteobacteria; c__Gammaproteobacteria
	k__Bacteria; p__Firmicutes; c__Erysipelotrichi
	Other



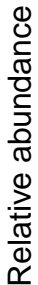
# NCS203



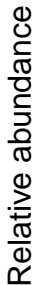
# NCS204



# NCS212



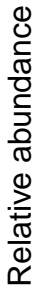
# NCS213



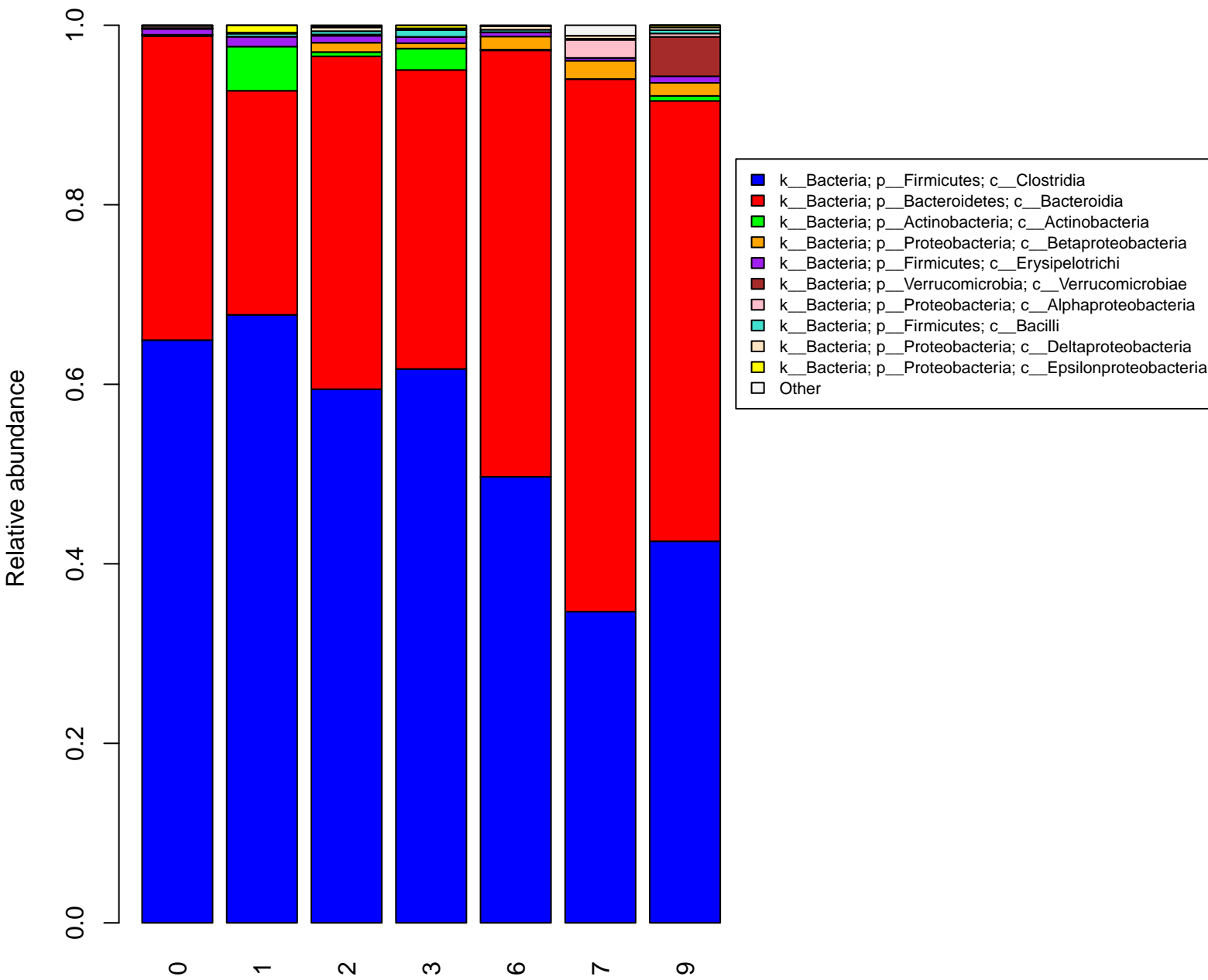
# NCS214



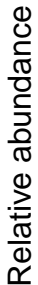
# NCS233



# NCS237



# NCS248



↙

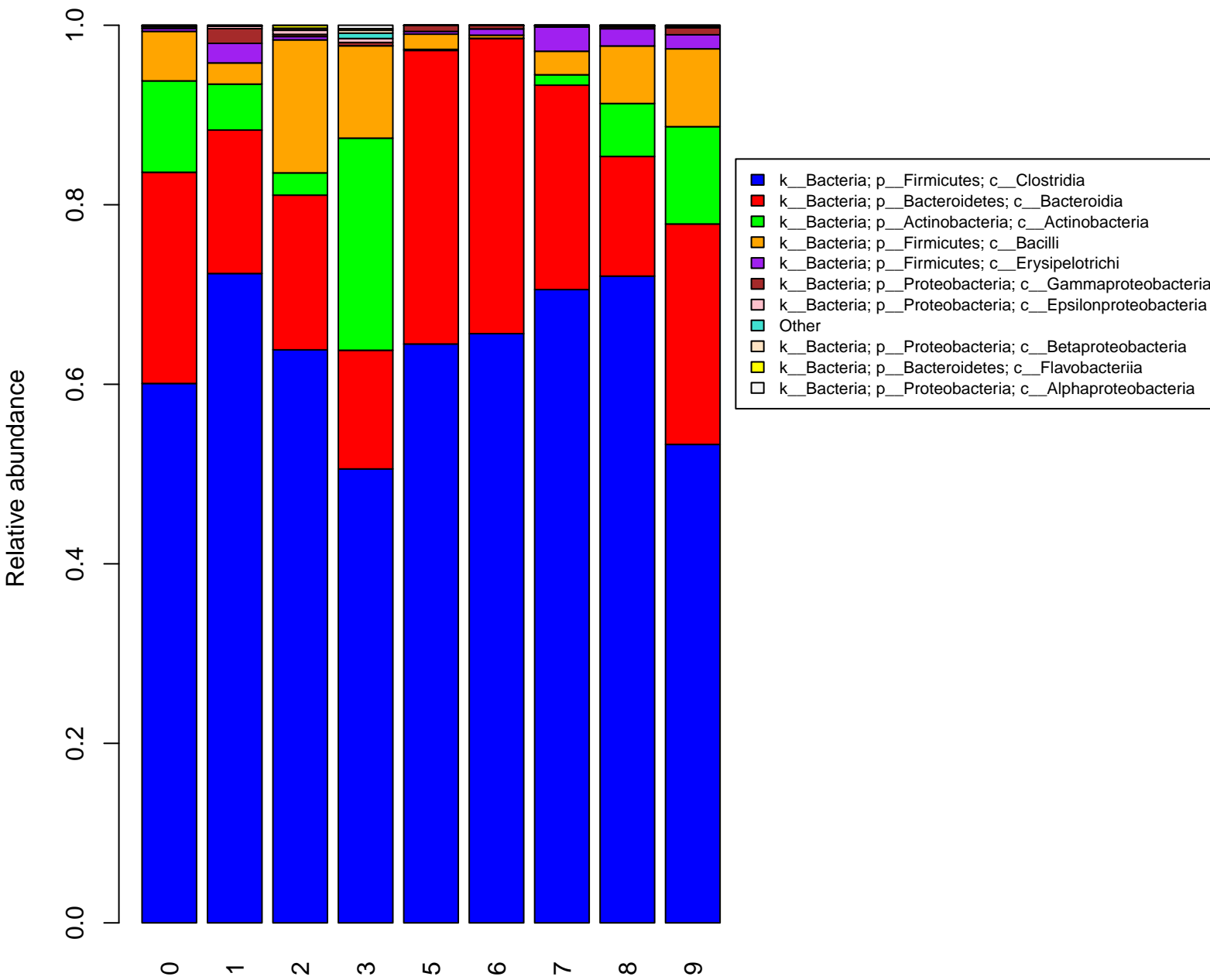
3

7

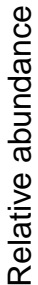
9



# NCS253



# NCS255



# NCS263

