

(a) *E. faecalis*

Tree scale: 0.1

Sample

feces

cloacal swab

retail meat

water

intestinal contents

Host

human

duck

chicken

pig

river/lake

fish

OptraA variants

EDD

WT

RDK

KDP

EKD

DP

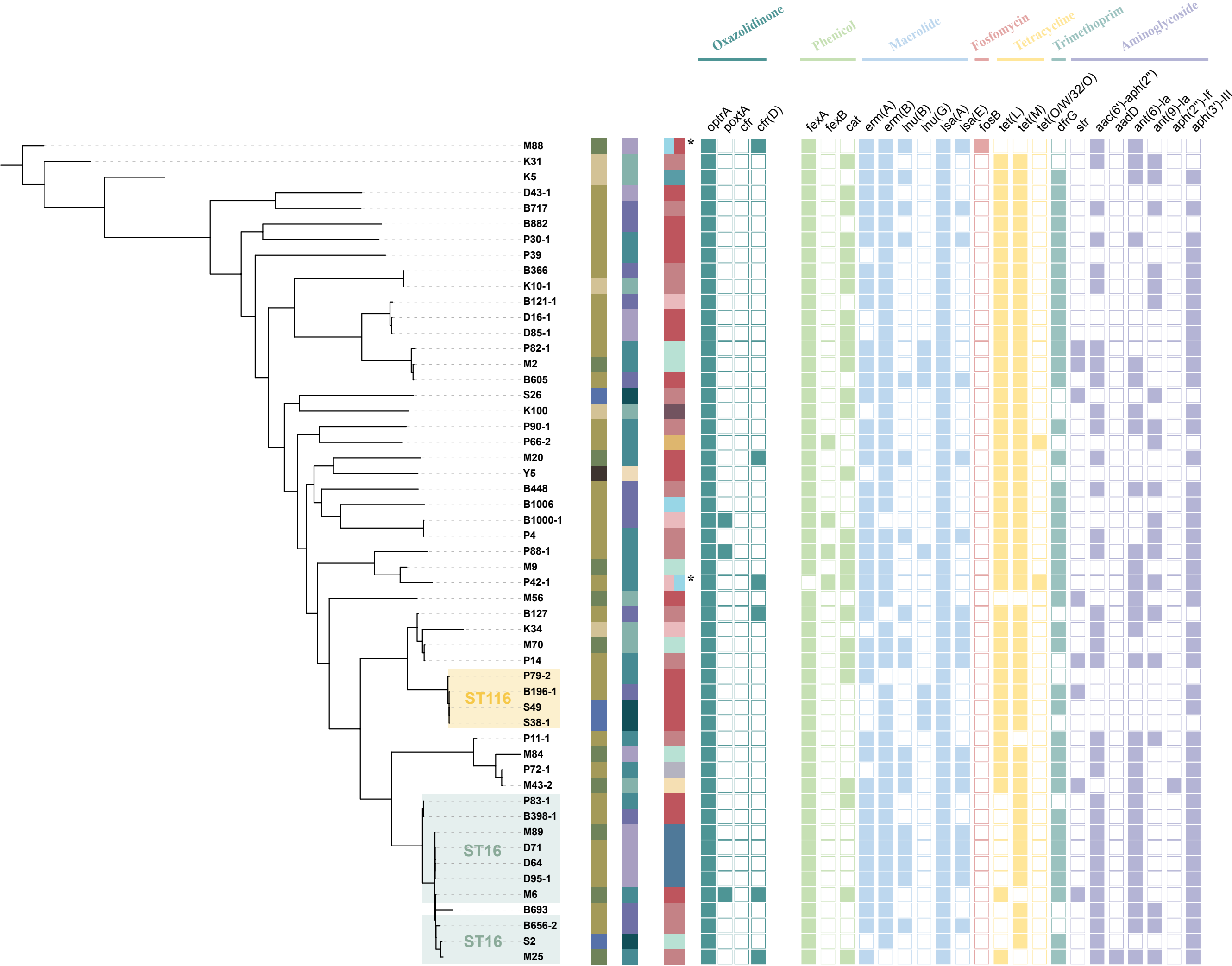
V

KD

EDP

EYDKD

EYDND



(b) *E. faecium*

Tree scale: 0.1

Sample

feces

cloacal swab

retail meat

water

intestinal contents

Host

human

duck

chicken

pig

river/lake

fish

OptrA Variants

EDD

KLDP

ED

EDM

KLDK

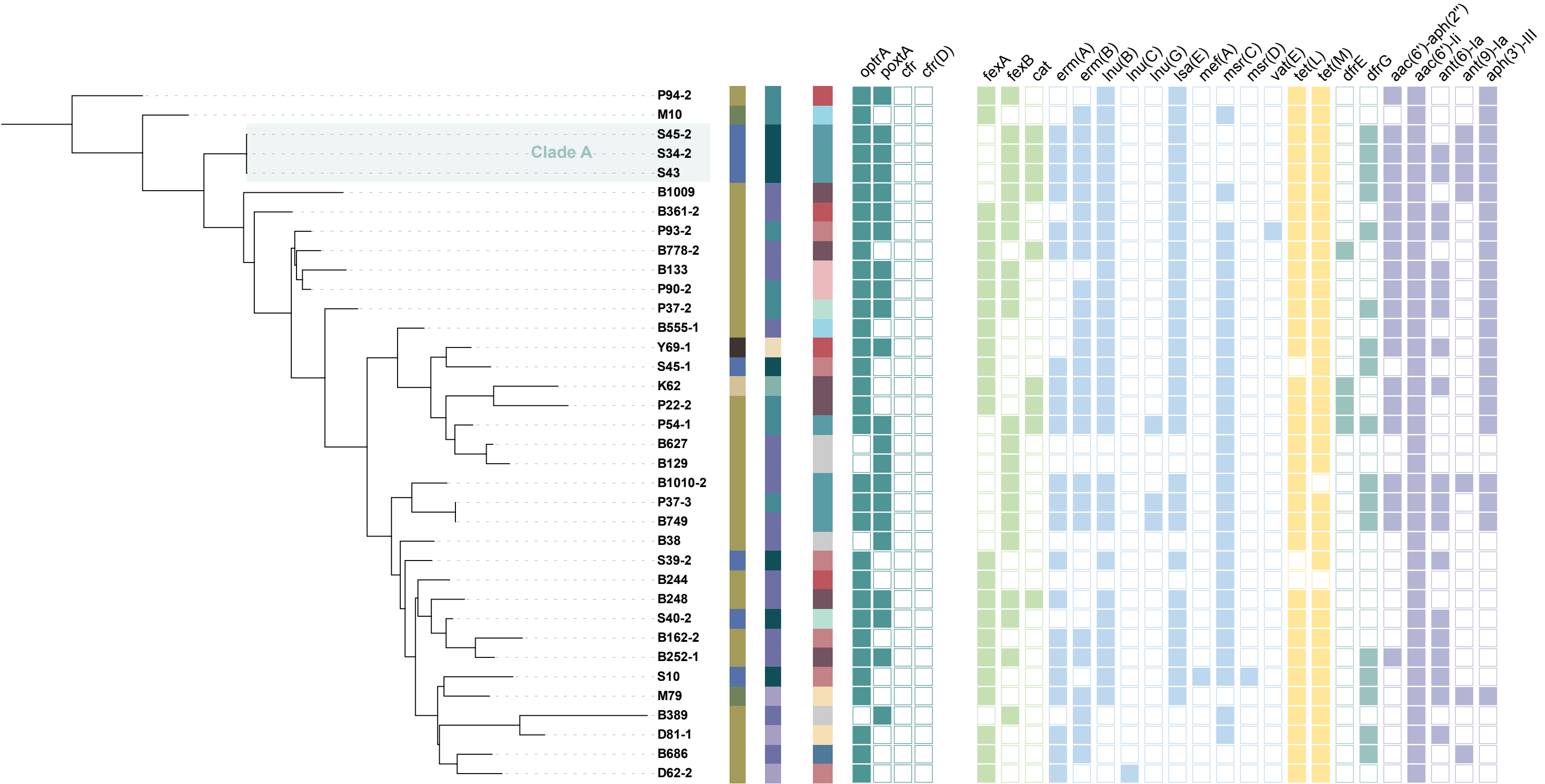
ED'DM

DD

EYDNNDM

EDP

Not applicable



(c) *L. lactis*

Tree scale: 0.1

Sample

feces

retail meat

intestinal contents

Host

chicken

pig

fish

Optra Variants

EDD

WT

EYDDI

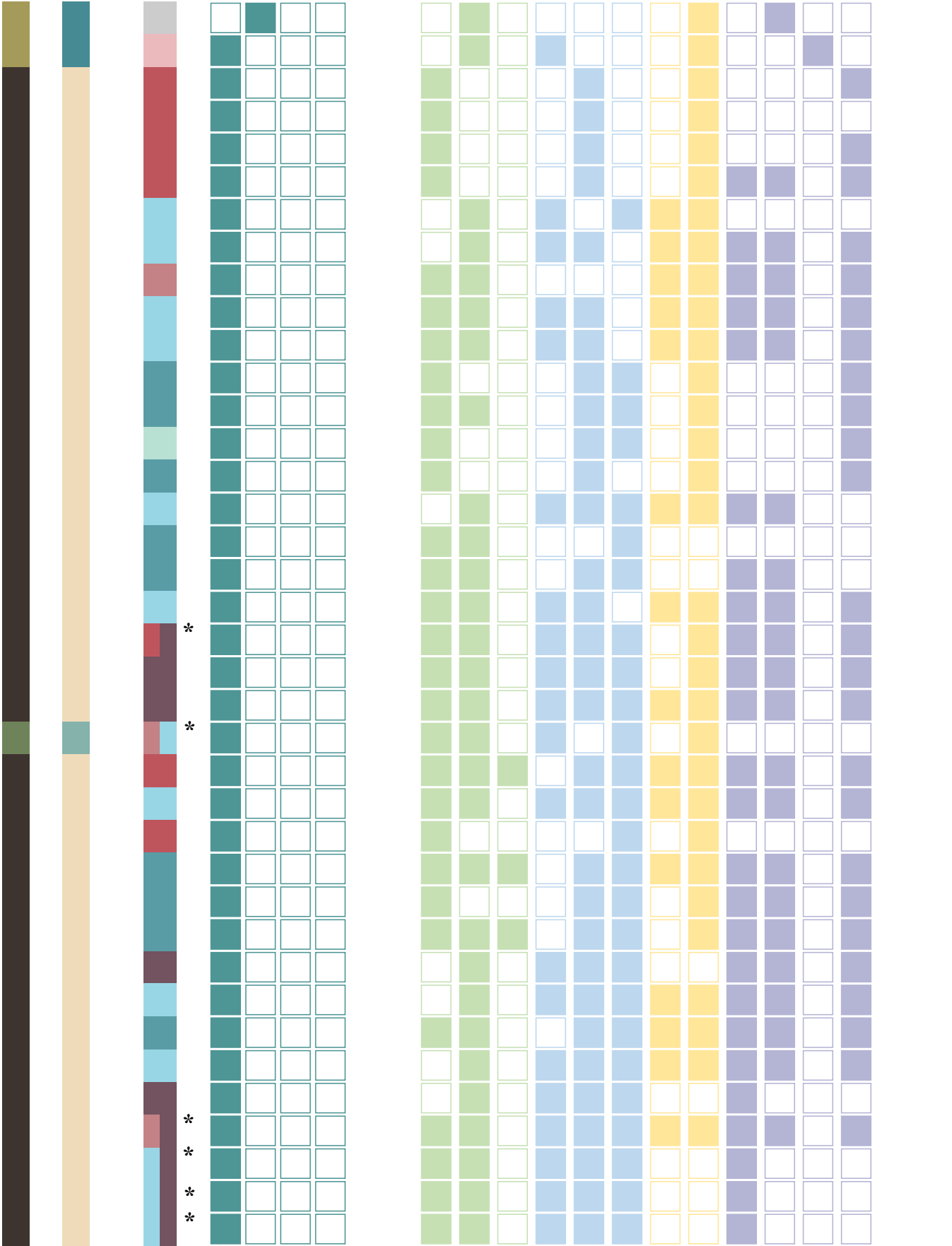
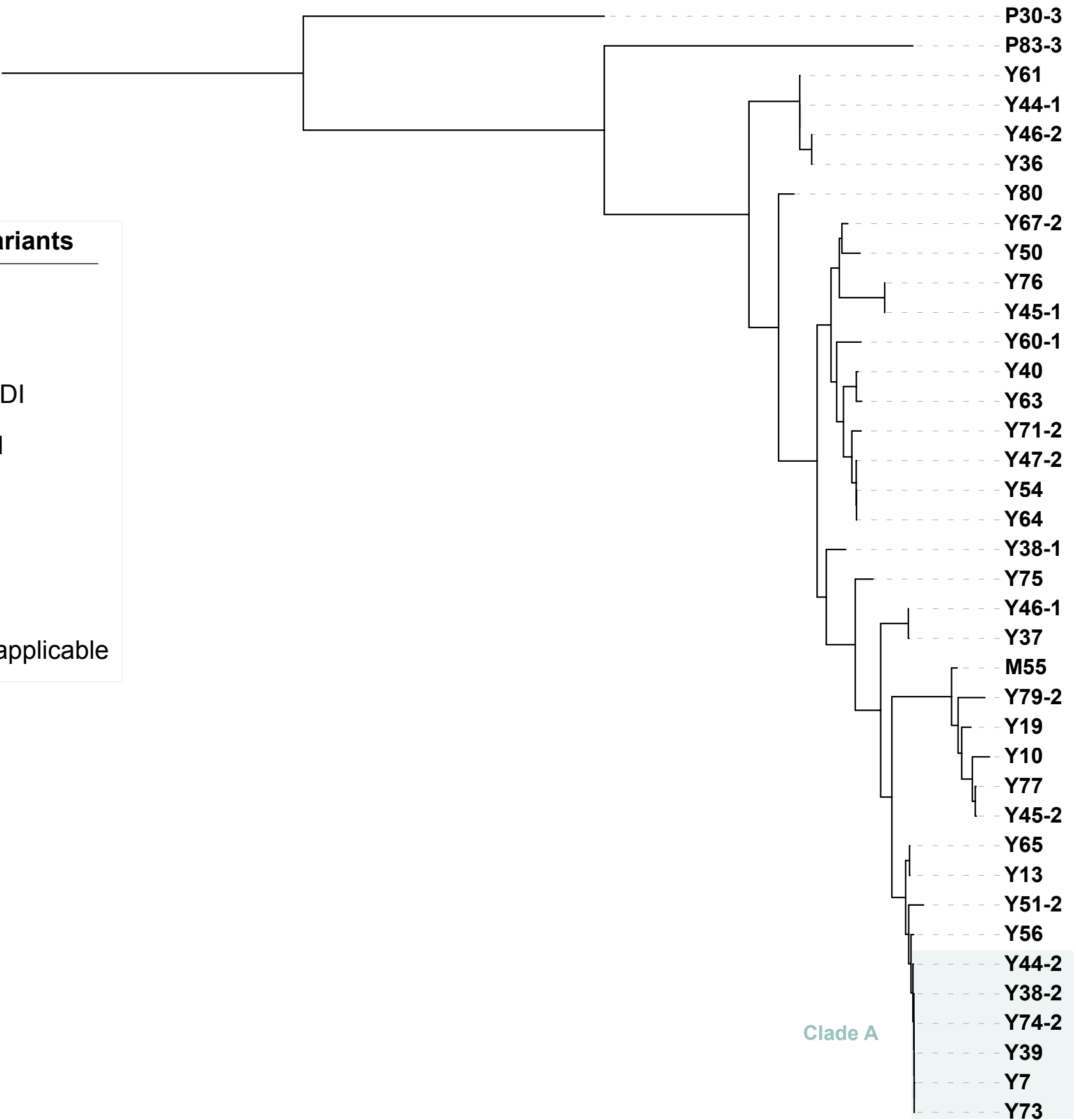
EDM

DP

DD

D

Not applicable



(d) *E. avium*

Tree scale: 0.1

Sample

feces

cloacal swab

retail meat

water

intestinal contents

Host

human

duck

chicken

pig

river/lake

fish

OptrA Variants

EDD

KLDP

EYDDI

EDM

EYD

EYDD

DD

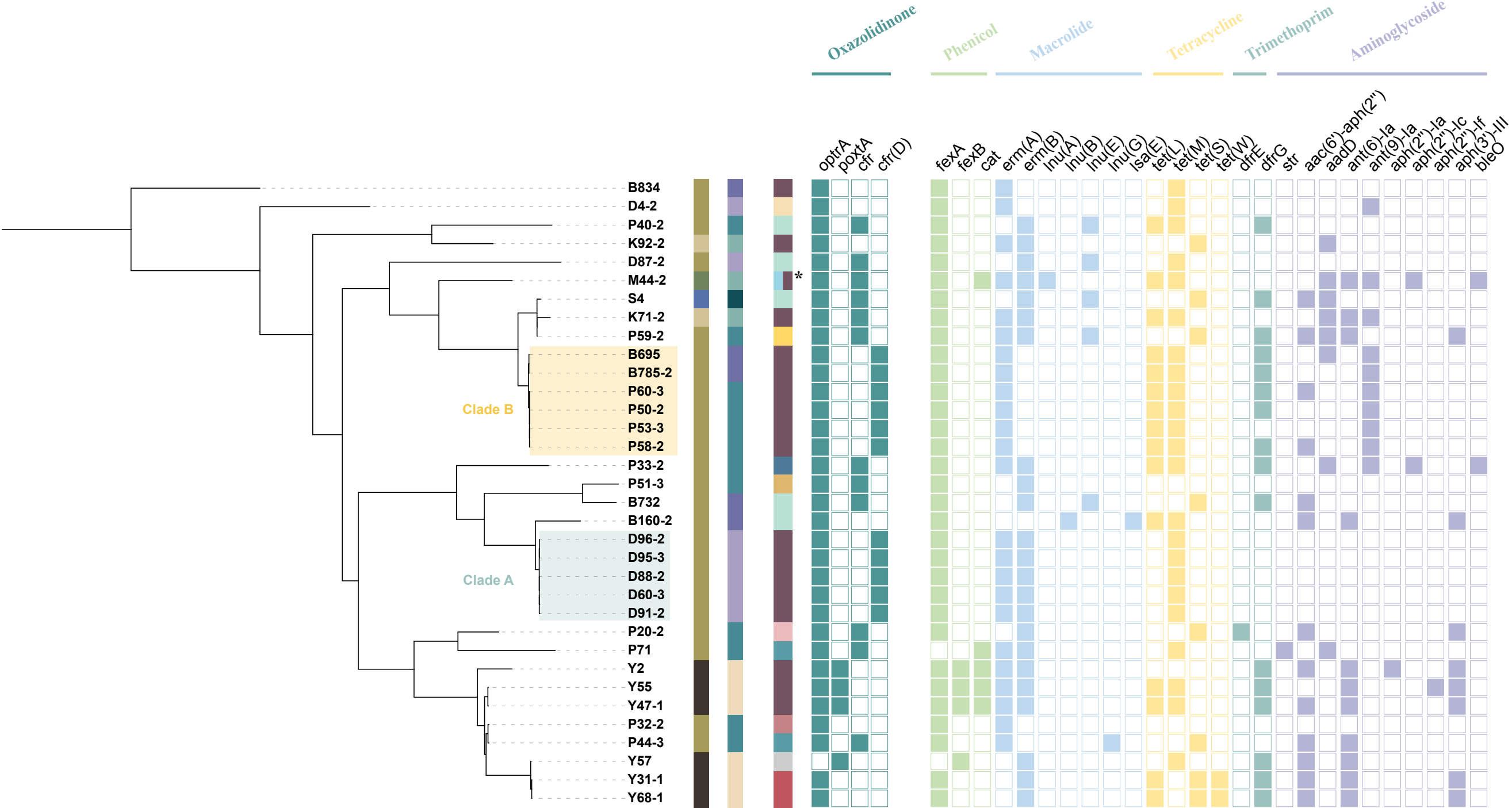
EYDNDM

EDP

KD

DDD

Not applicable



(e) *E. dongliensis*

Tree scale: 0.1

Sample

feces

cloacal swab

intestinal contents

Host

human

duck

chicken

pig

fish

OptrA Variants

EDD

KD

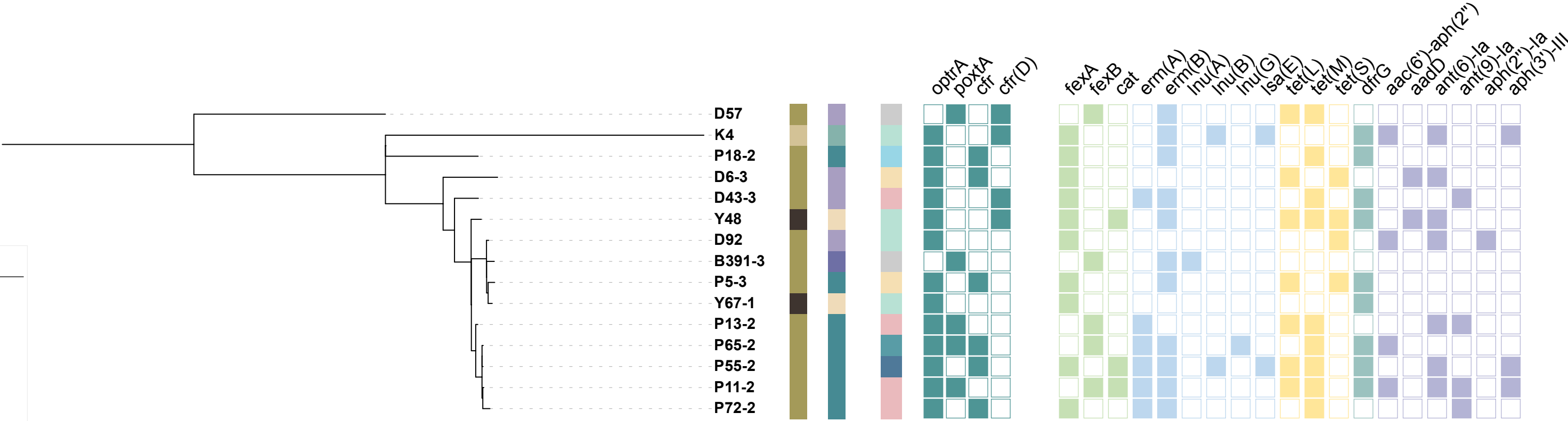
EYDD

DDD

DD

EYDNDM

Not applicable



(f) *L. petauri*

Tree scale: 1

Sample

feces

water

intestinal contents

Host

pig

river/lake

fish

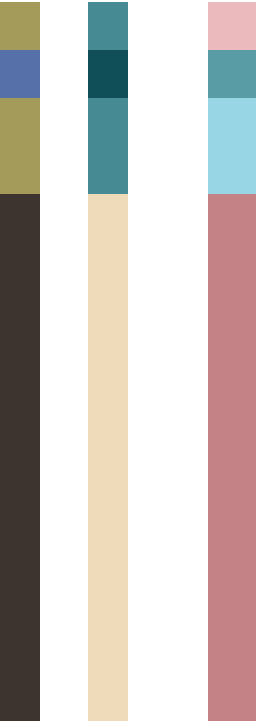
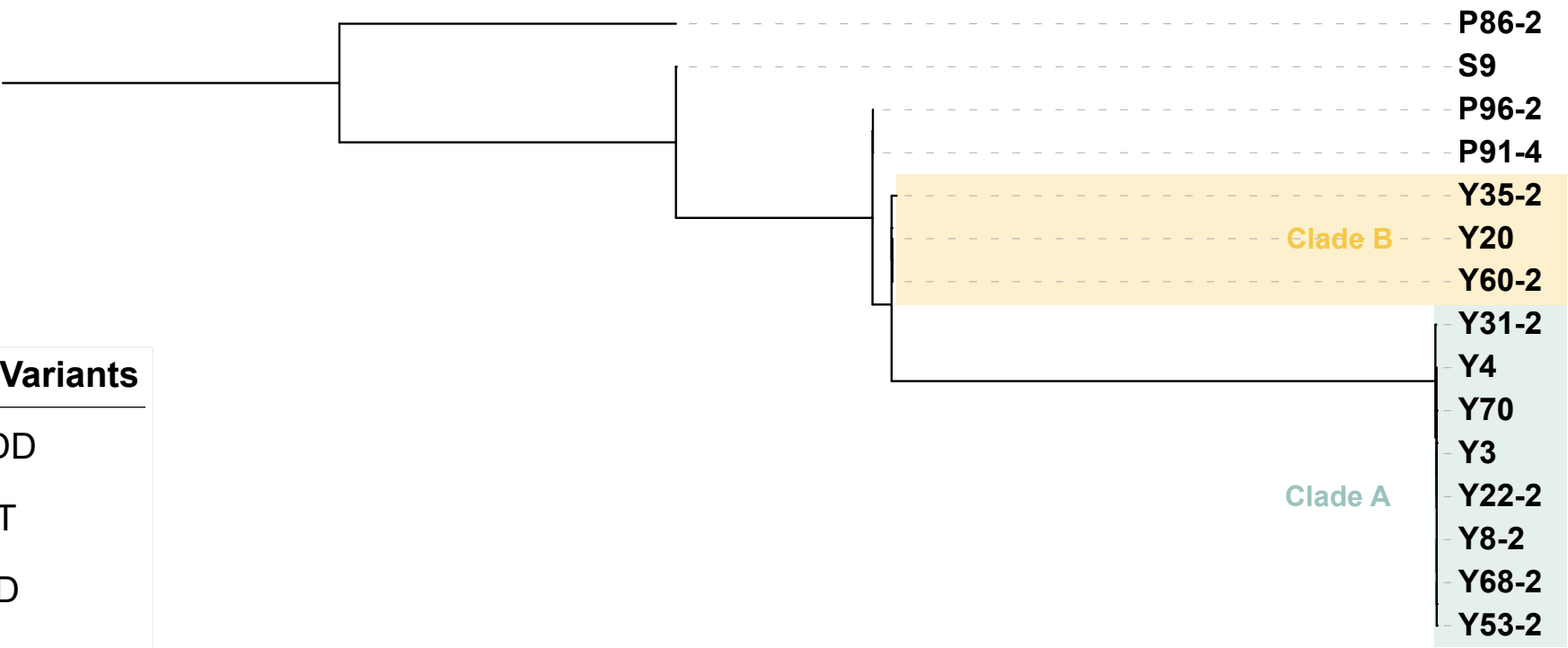
Optra Variants

EDD

WT

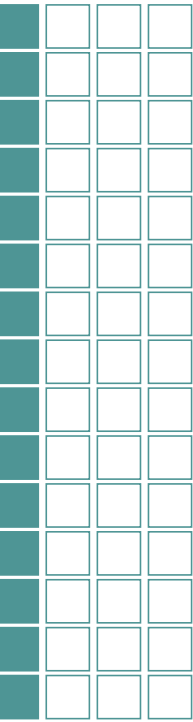
D'D

EYDDI



Oxazolidinone

optrA
poxtA
cfr
cfr(D)



Phenicol

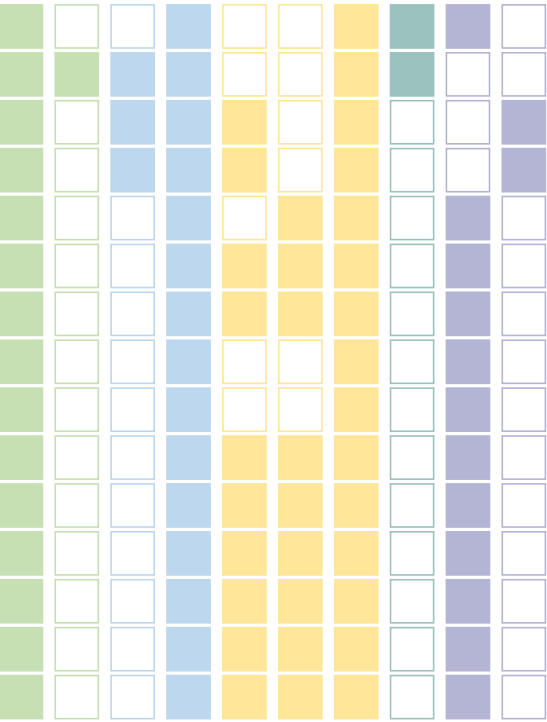
Macrolide

Tetracycline

Trimethoprim

Aminoglycoside

fexA
cat
erm(A)
erm(B)
tet(L)
tet(O/W/32/O)
tet(S)
dfrG
aac(6')-aph(2'')
ant(9)-la



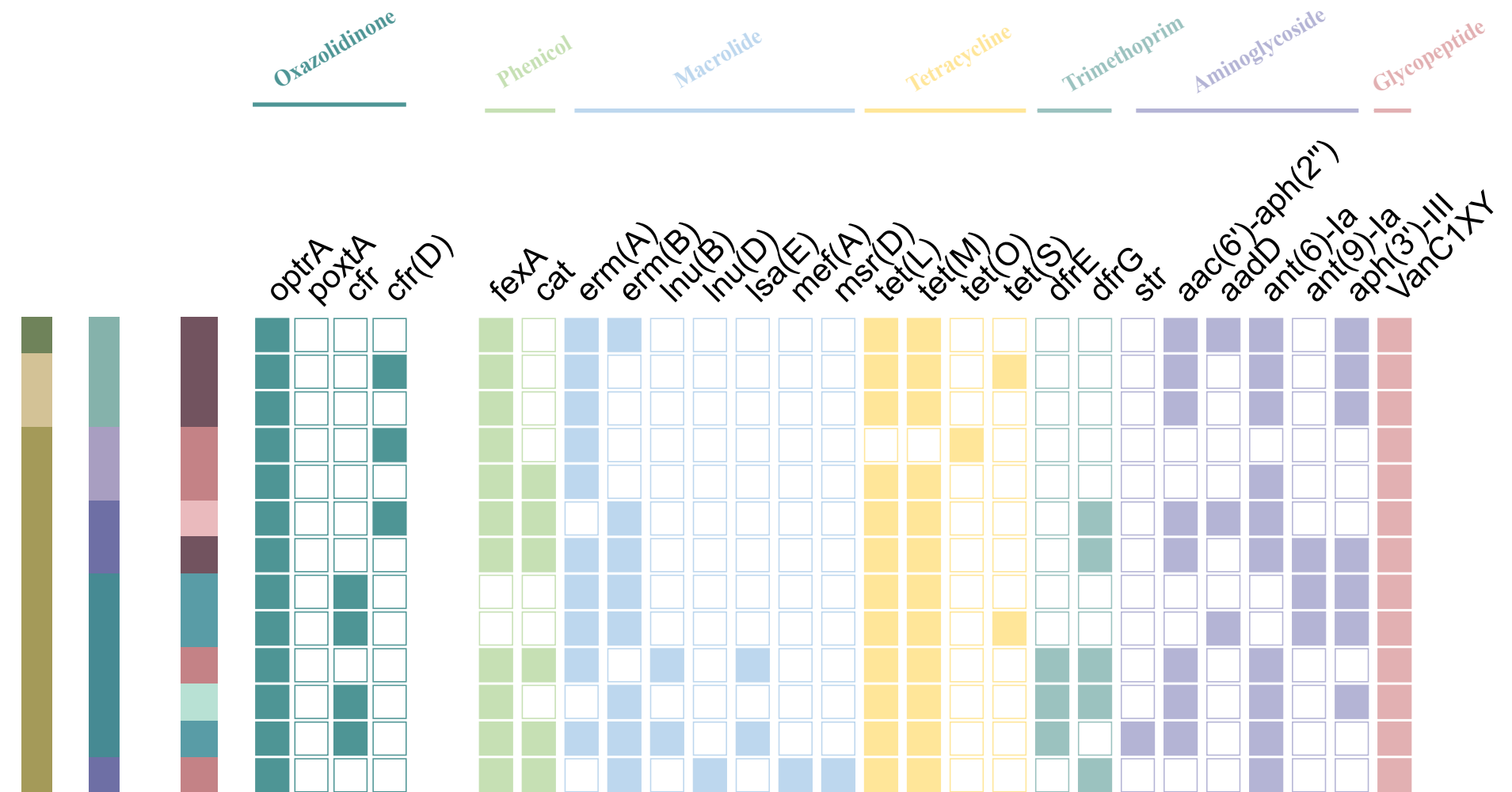
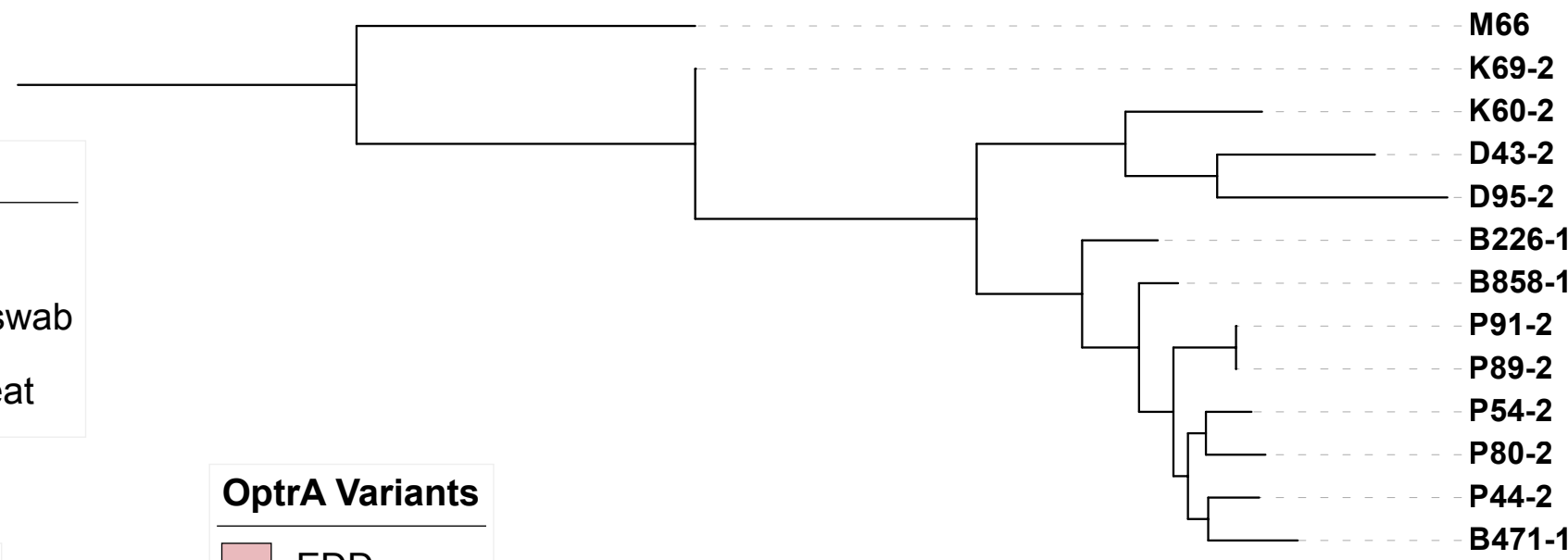
(g) *E. gallinarum*

Sample

Host	
	human
	duck
	chicken
	pig

Optra Variants

	EDD
	KLDP
	EDM
	DD
	EYDNDM



(h) *V. lutrae*

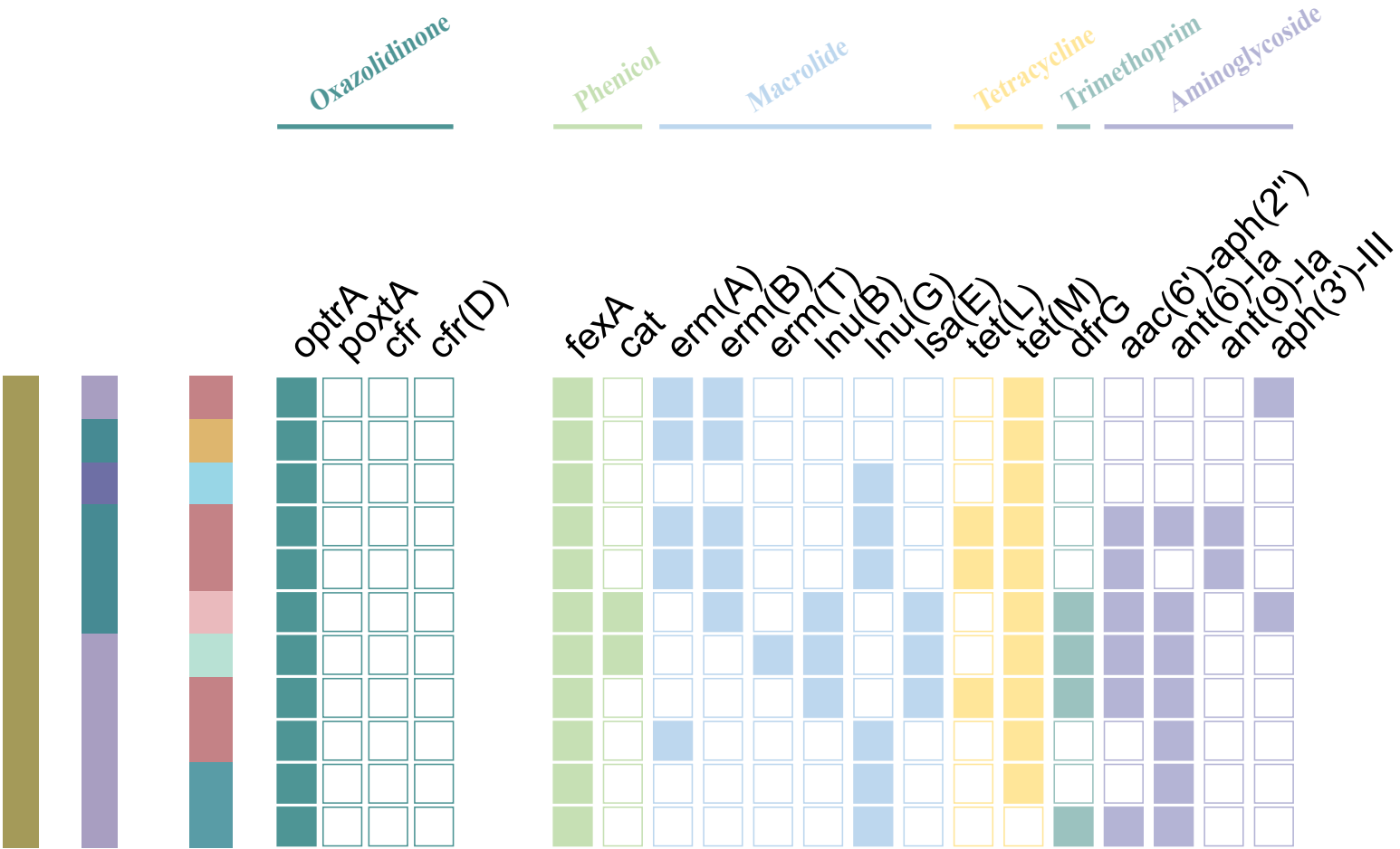
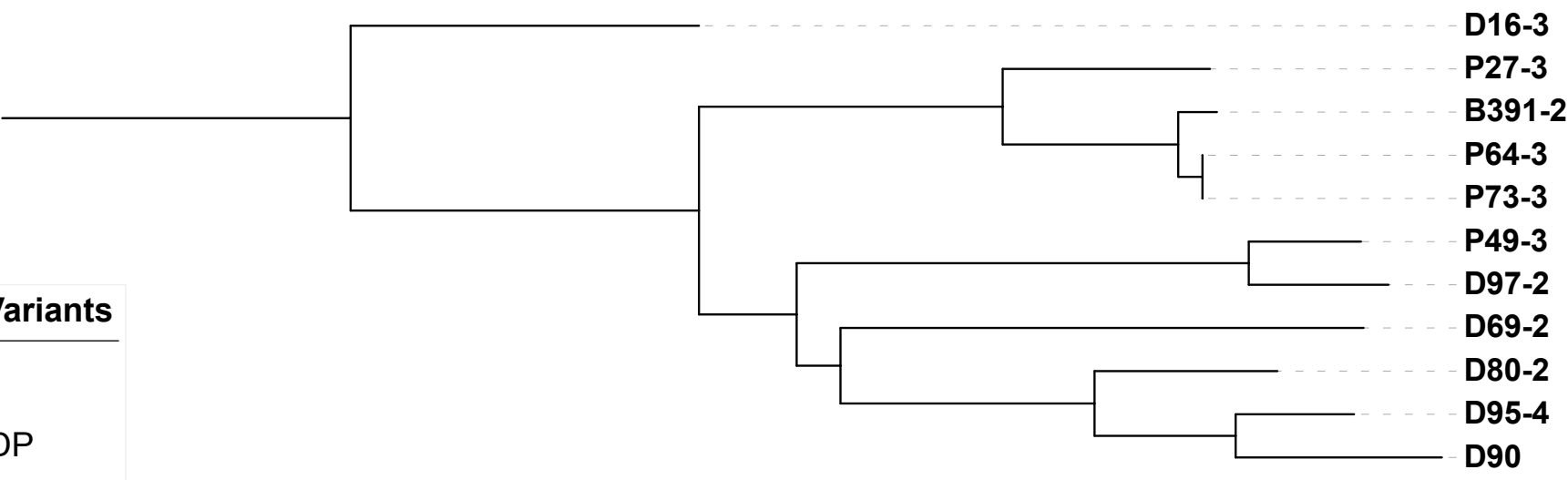
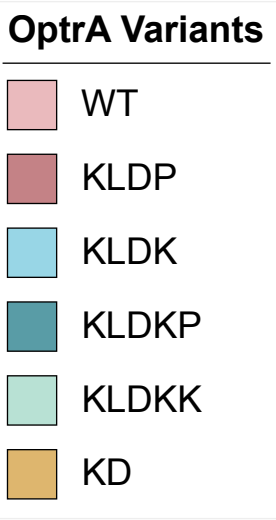
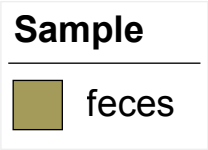


Figure S2

(i) *E. casseliflavus*

Tree scale: 0.1

Sample

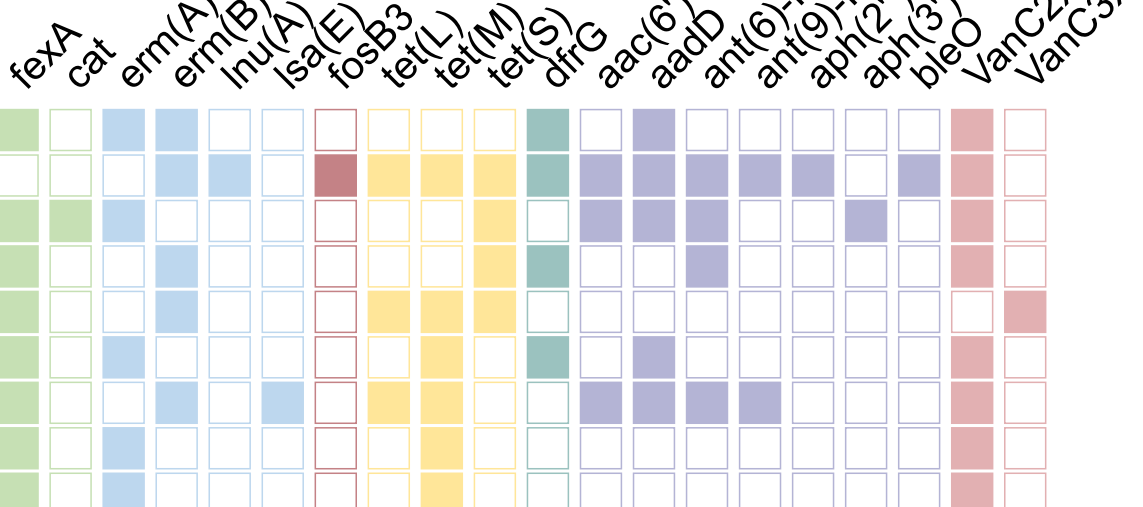
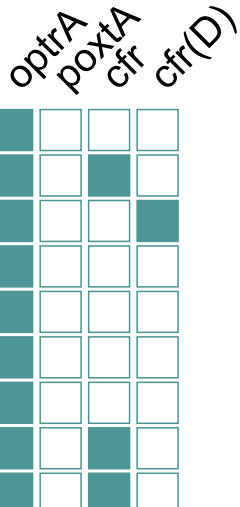
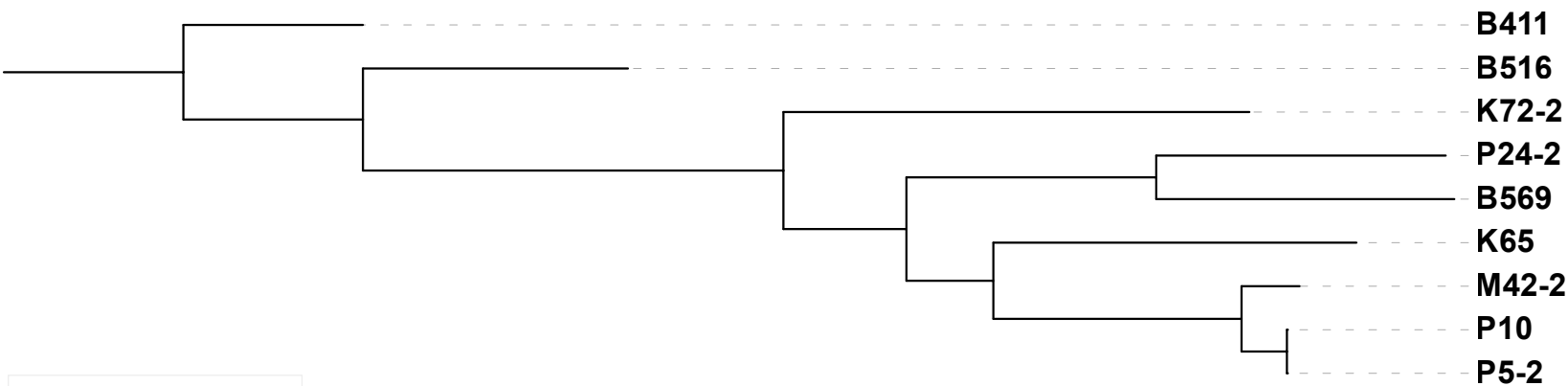
- feces
- cloacal swab
- retail meat

Host

- human
- chicken
- pig

OptrA Variants

- EDD
- KLDP
- EYD
- EYDNDM
- DDD



Oxazolidinone

Phenicol

Macrolide

Fosfomycin

Tetracycline

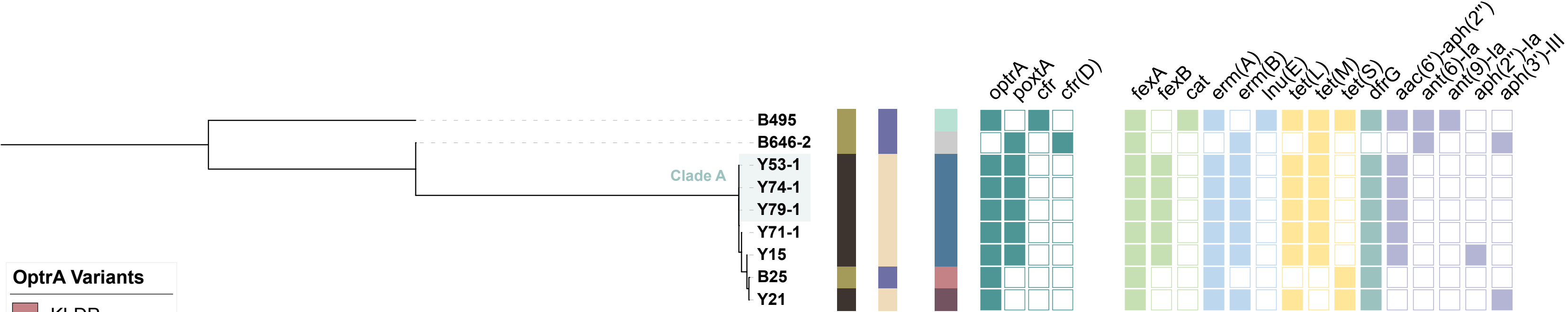
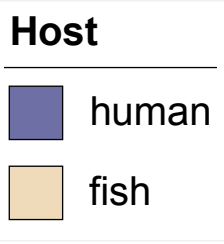
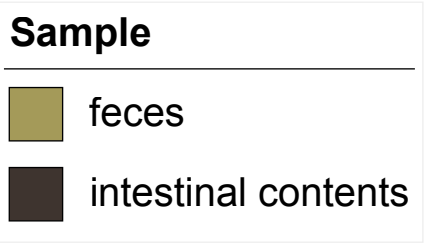
Trimethoprim

Aminoglycoside

Glycopeptide

Figure S2

(j) *E. raffinosus*



(k) *E. hirae*

Tree scale: 1

Sample

feces

cloacal swab

water

Host

human

chicken

pig

river/lake

Optra Variants

KLDK

EDM

EDP

Not applicable

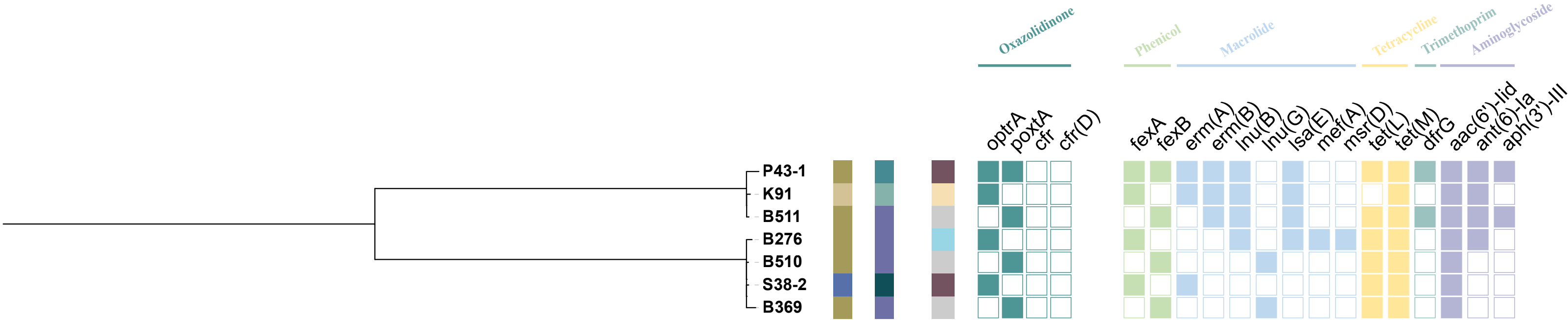


Figure S2

(1) *V. carniphilus*

Tree scale: 0.1

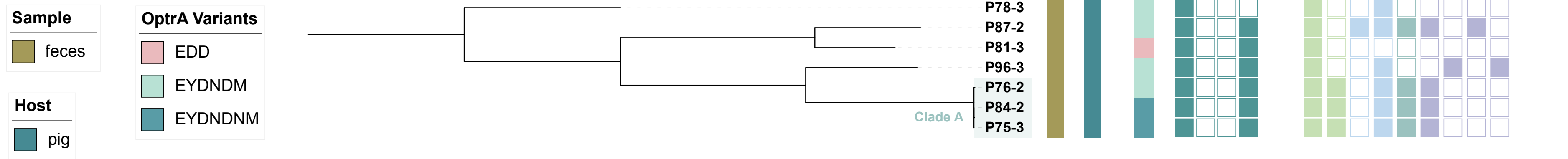


Figure S2

(m) *E. hulanensis*

Tree scale: 1

Sample

feces

Host

duck

pig

OptrA Variants

EDM

Not applicable

Clade A

P43-2
D86-2
D19-2
D36-2
D5-2
D6-4

