

Resistance Cluster Analyses

2022-11-09

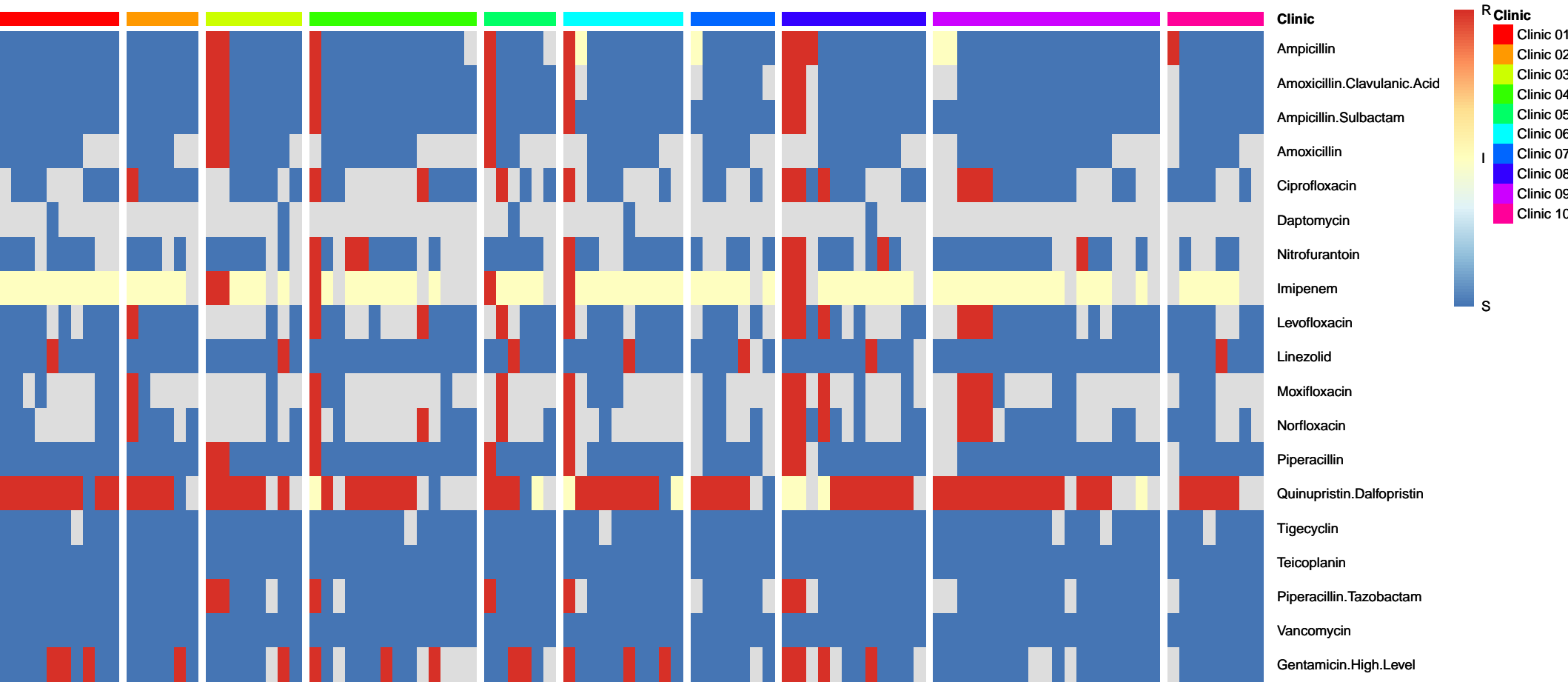


Independent analysis per species

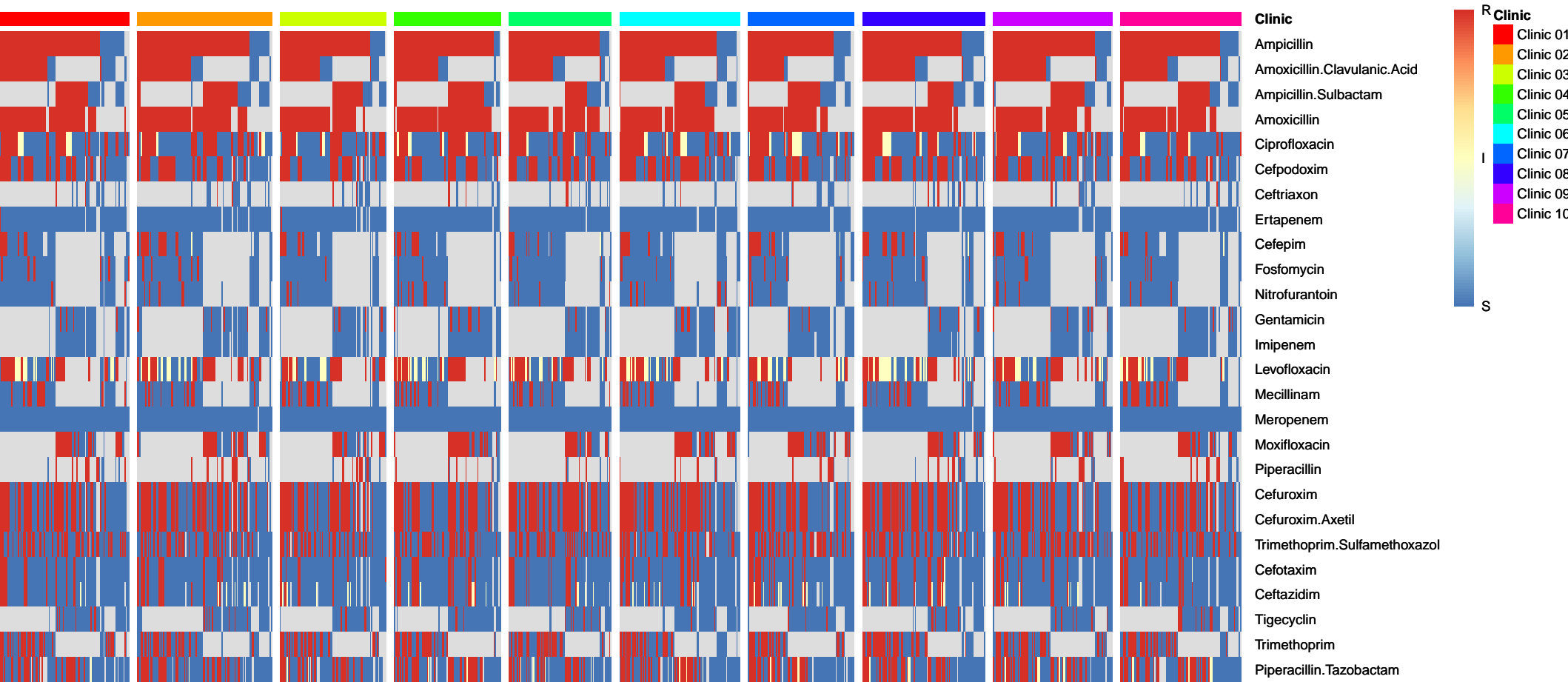
Heatmap

Data ordered 1) clinic, 2) resistance

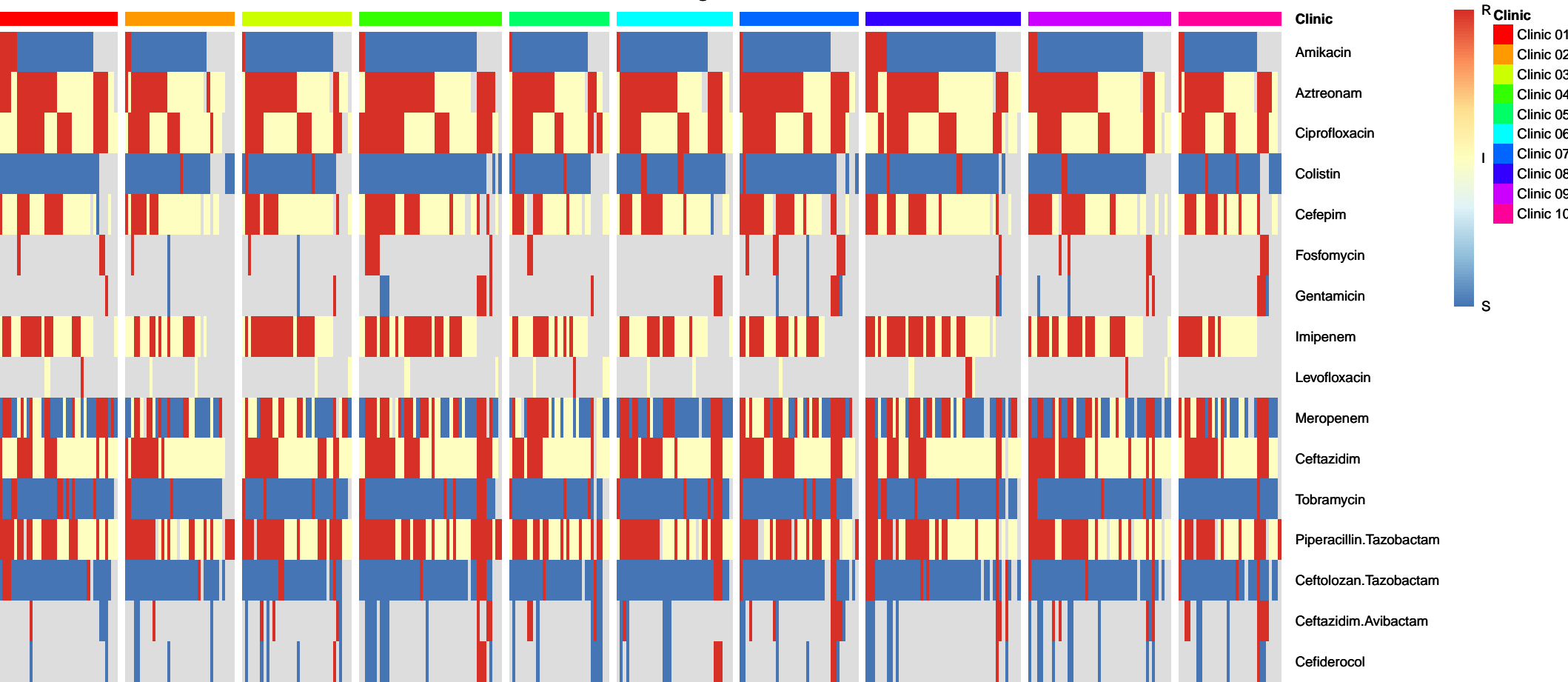
Enterococcus faecalis



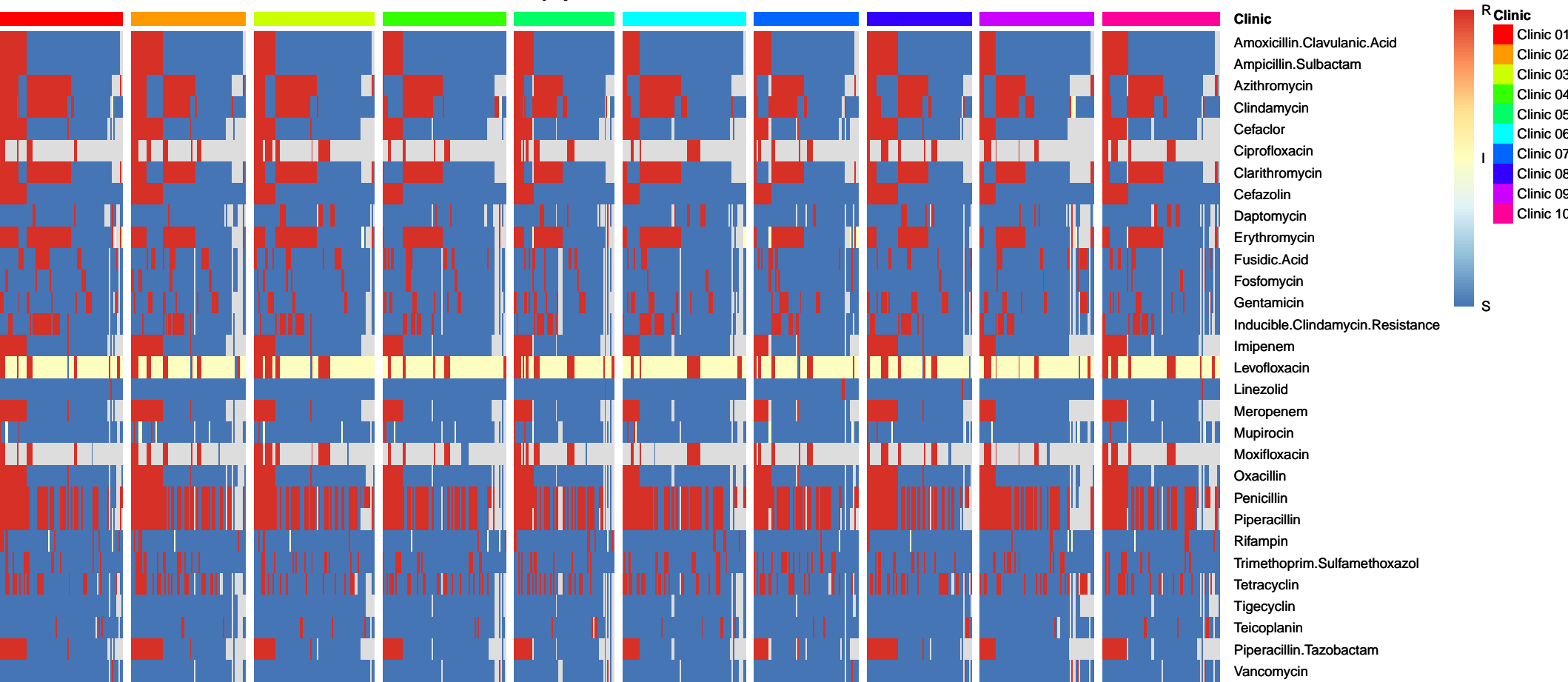
Escherichia coli



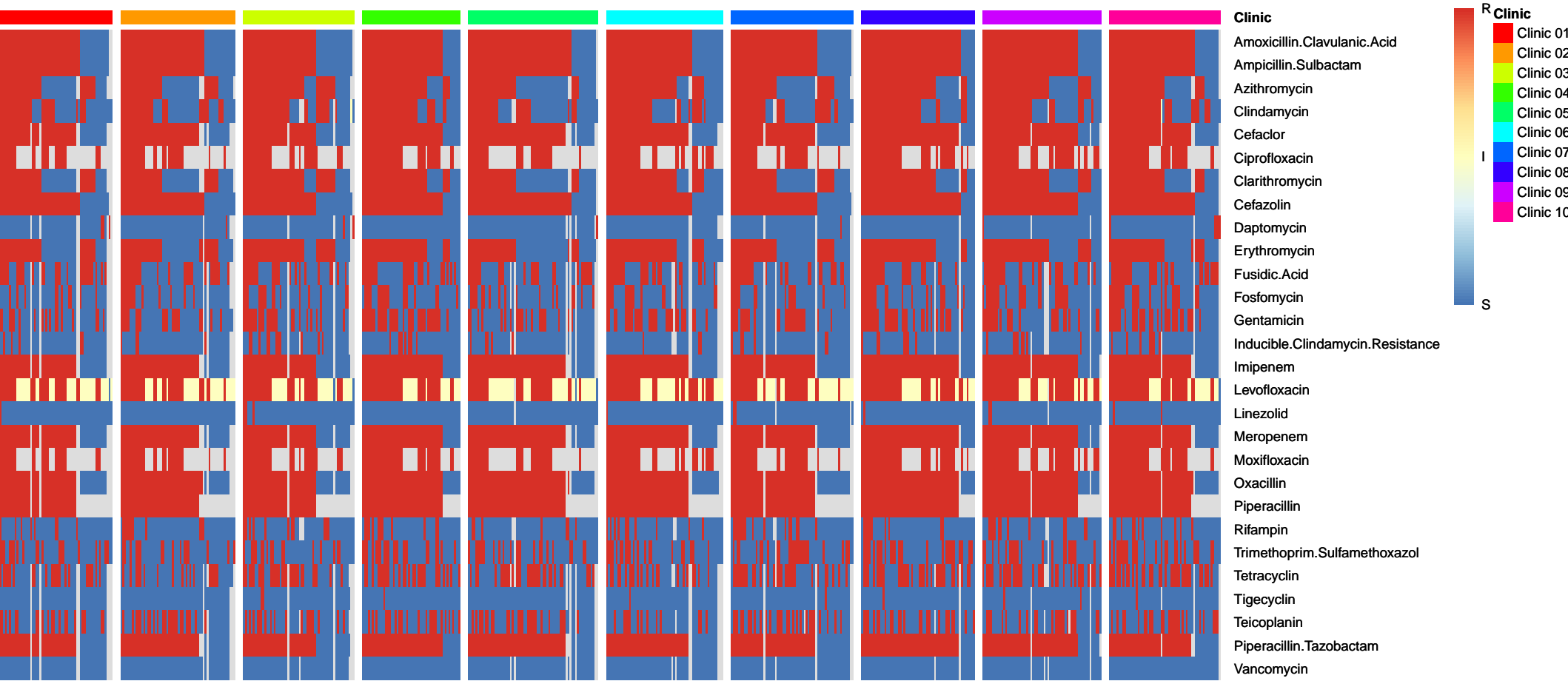
Pseudomonas aeruginosa



Staphylococcus aureus



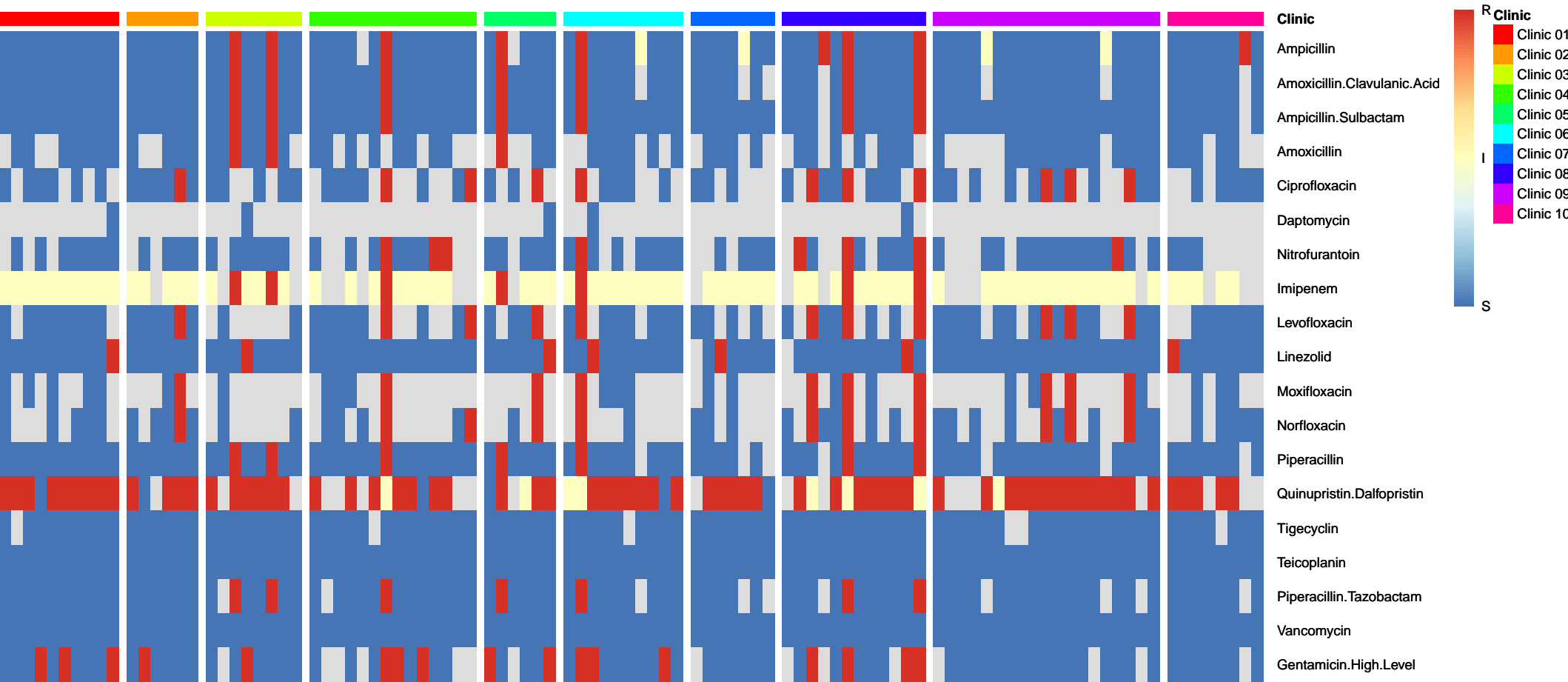
Staphylococcus epidermidis



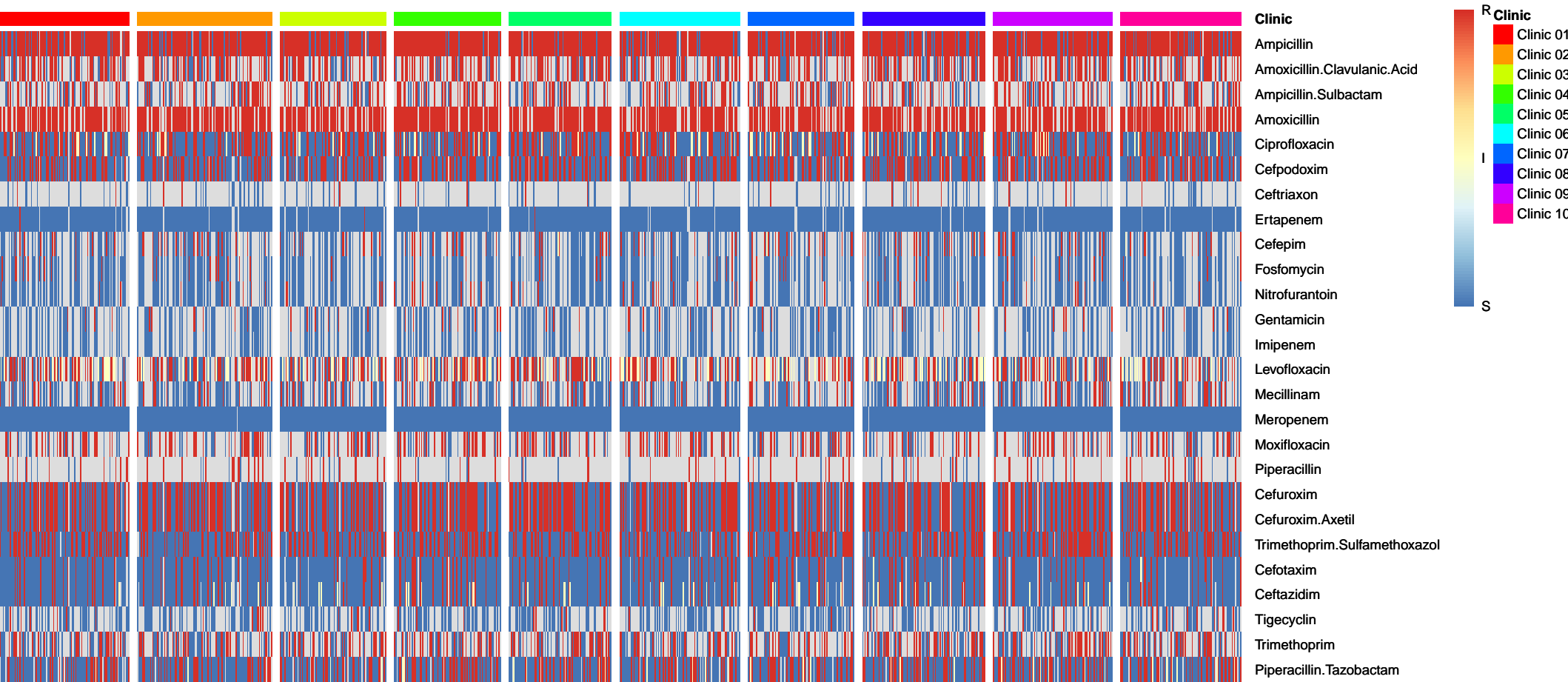
Heatmap

Data ordered by 1) clinic, 2) date

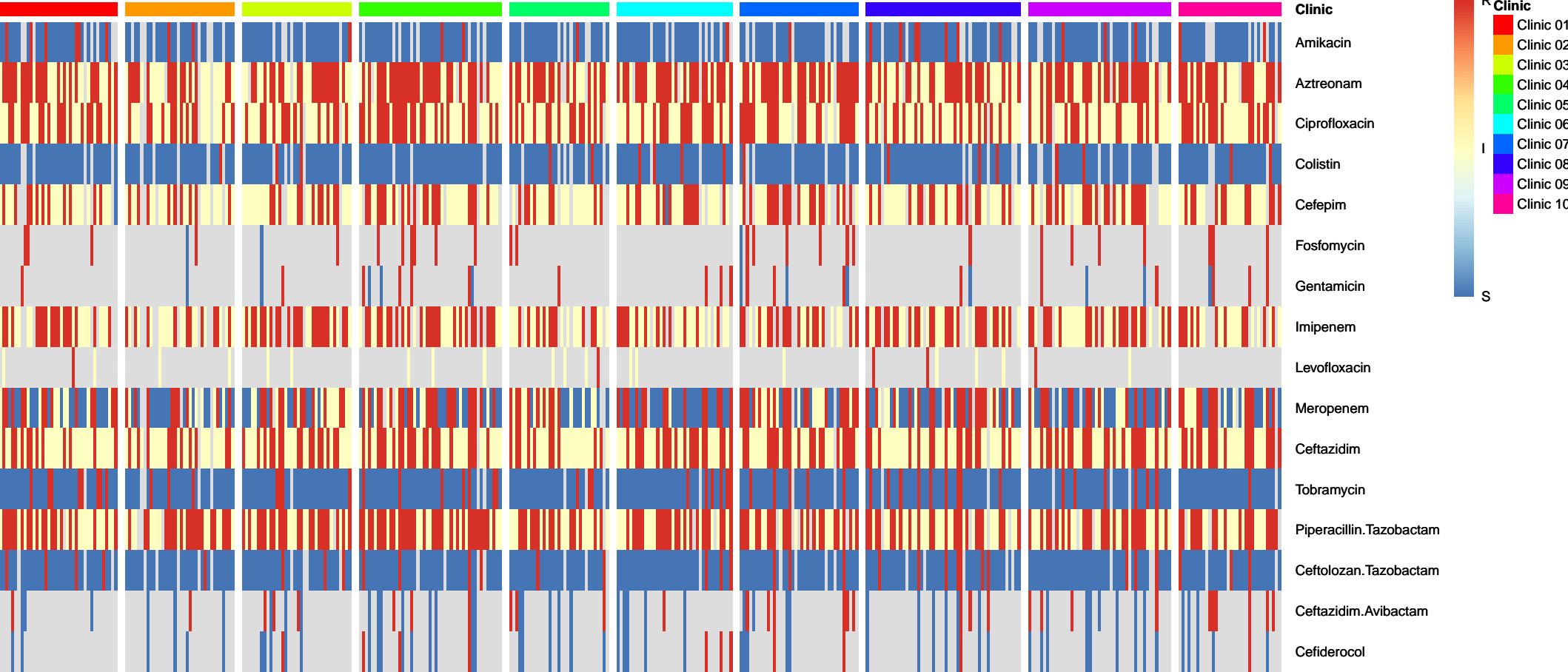
Enterococcus faecalis



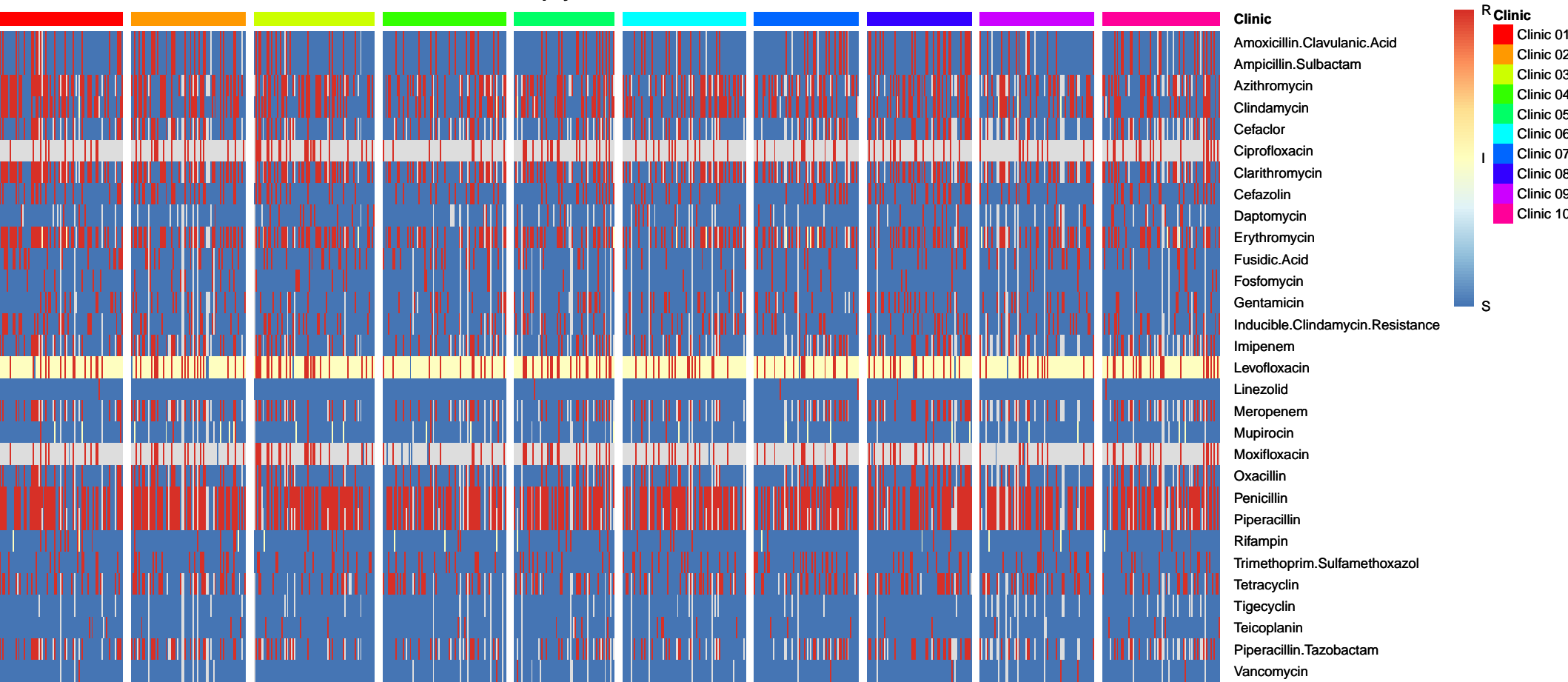
Escherichia coli



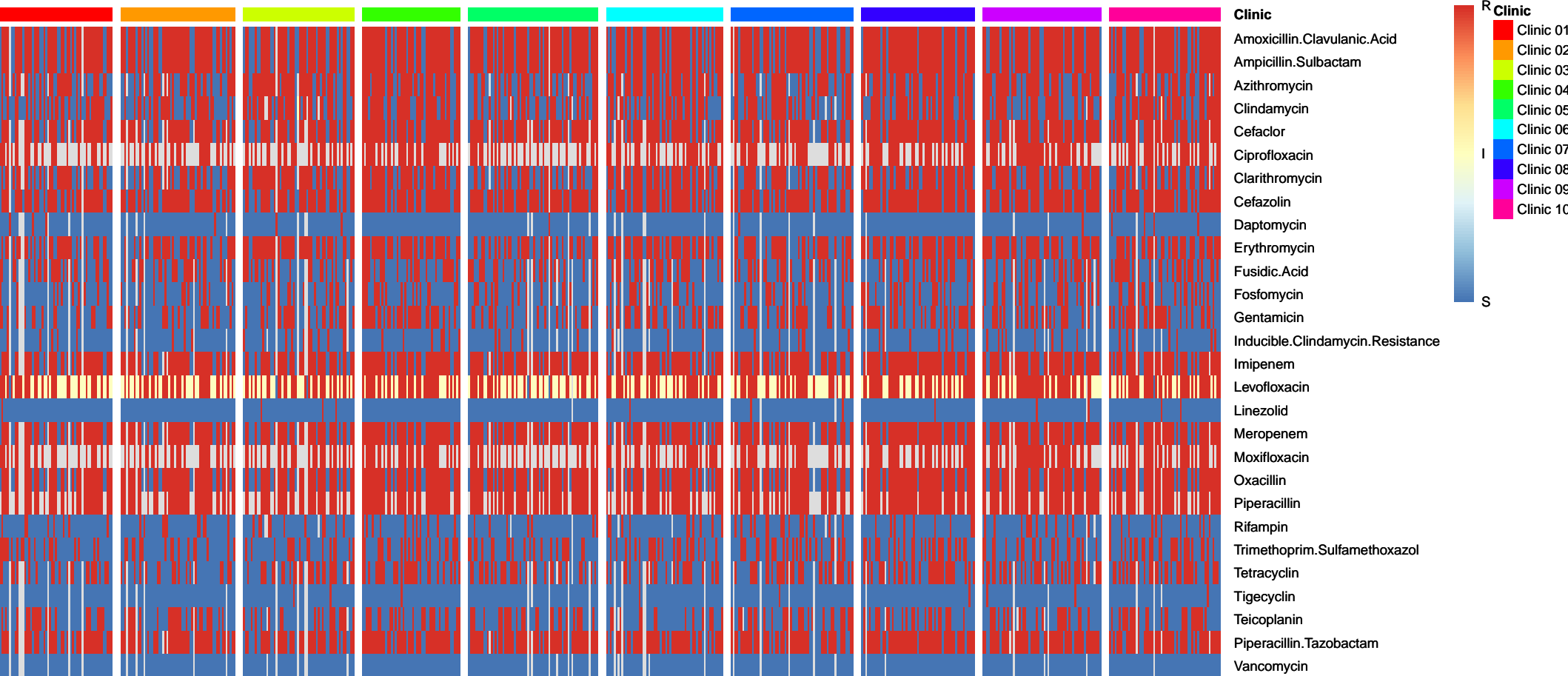
Pseudomonas aeruginosa



Staphylococcus aureus



Staphylococcus epidermidis

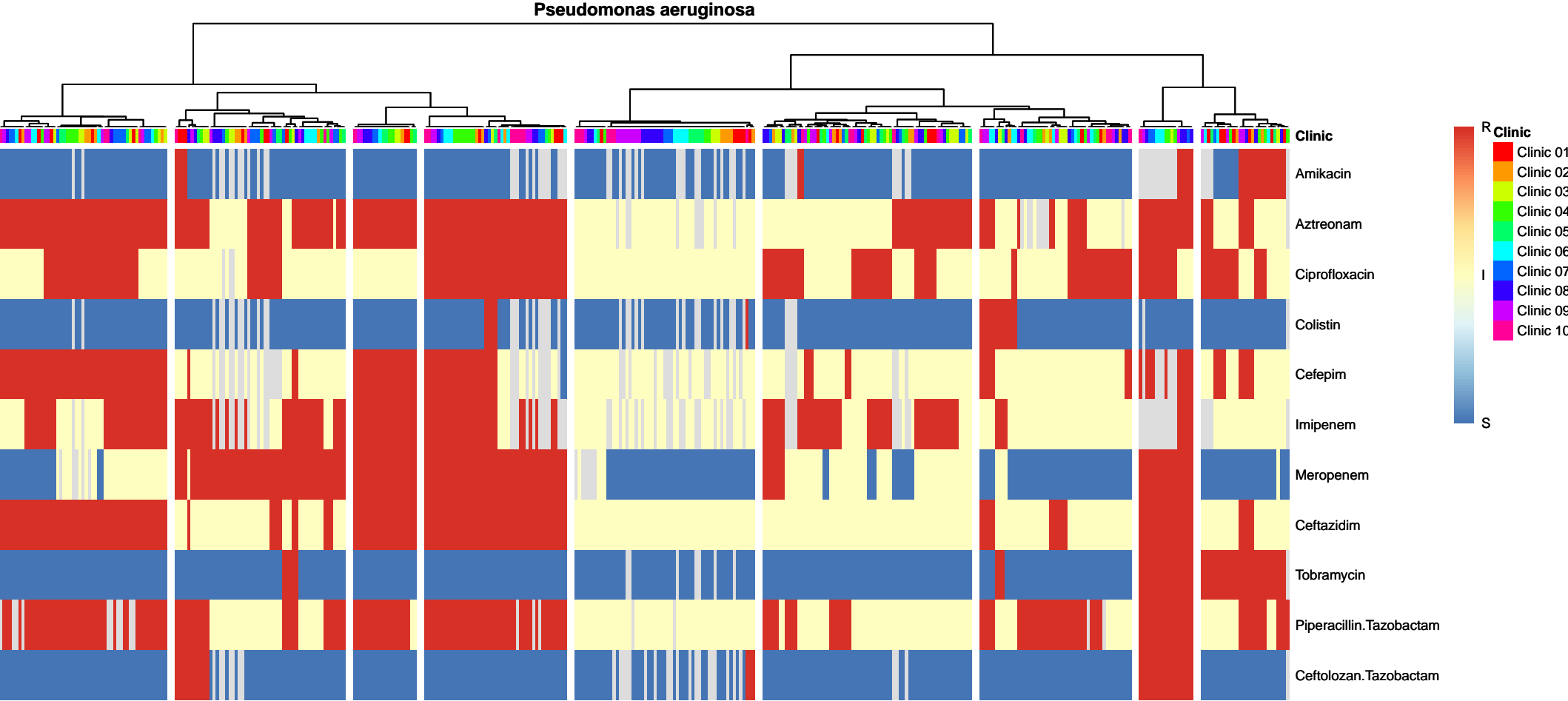


Heatmap

Hierarchical clustering

Enterococcus faecalis – no clustering possible

Escherichia coli – no clustering possible



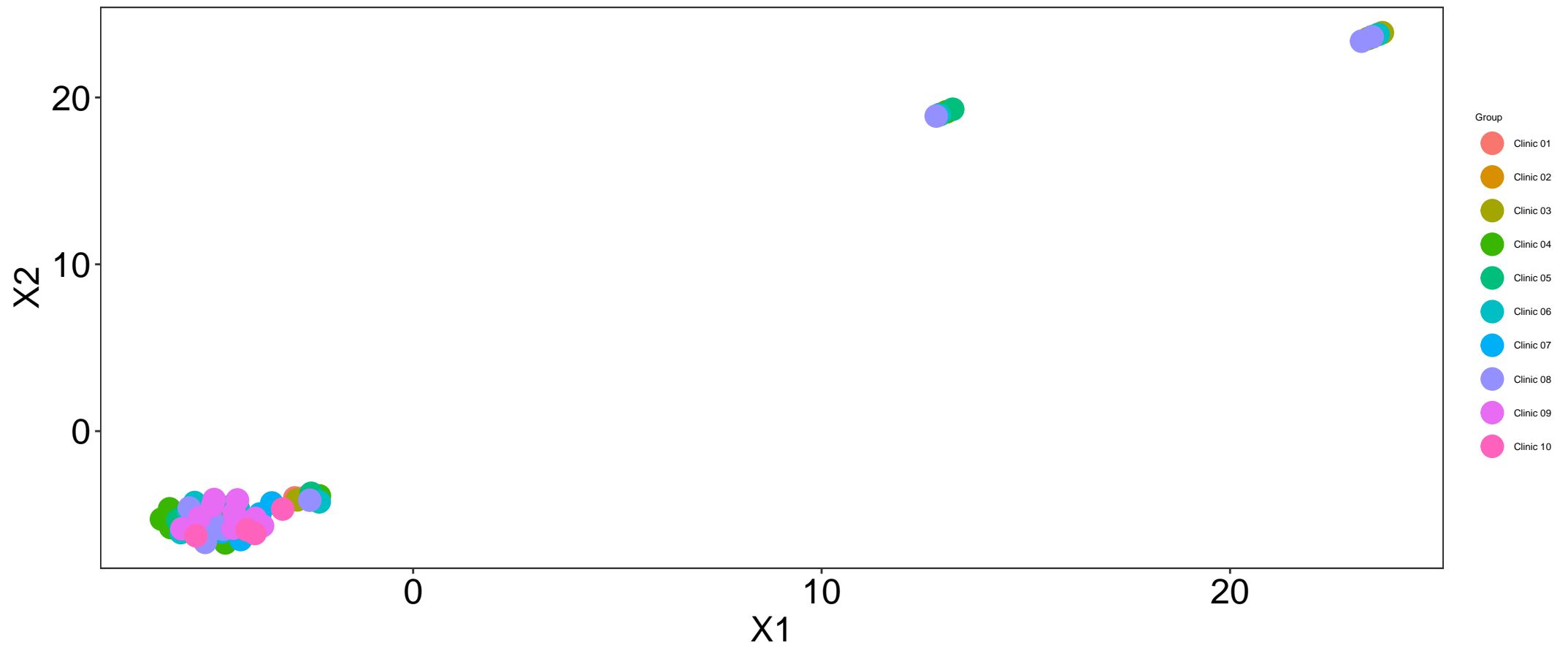
Staphylococcus aureus – no clustering possible

Staphylococcus epidermidis – no clustering possible

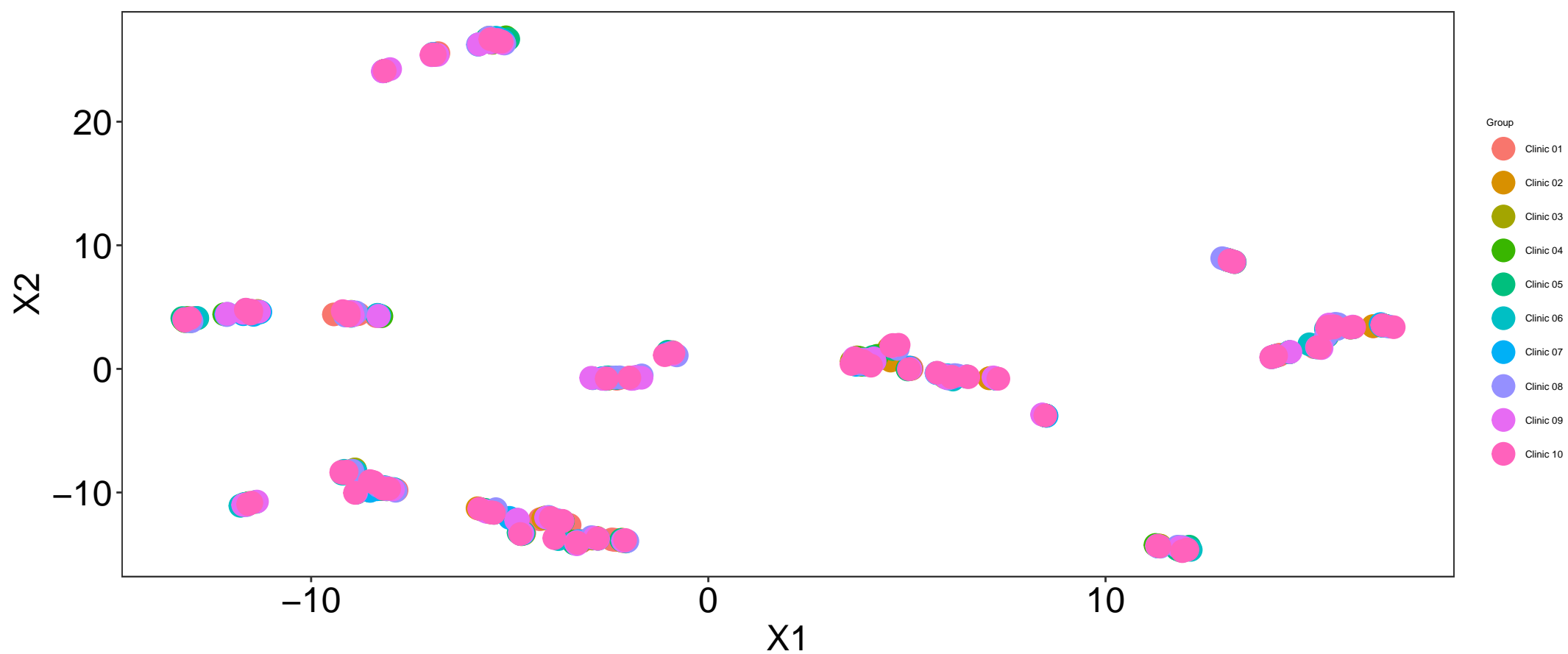
UMAP

Plot with colored clinics

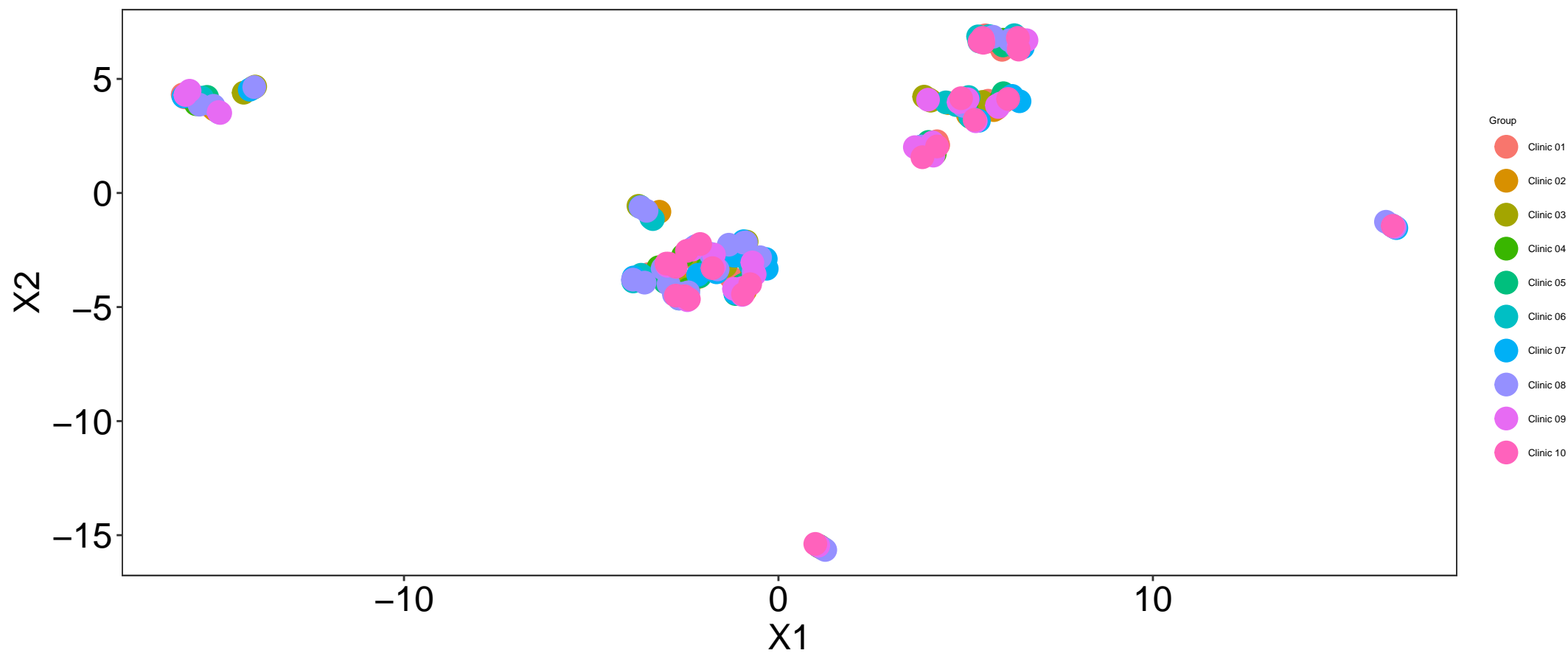
Enterococcus faecalis



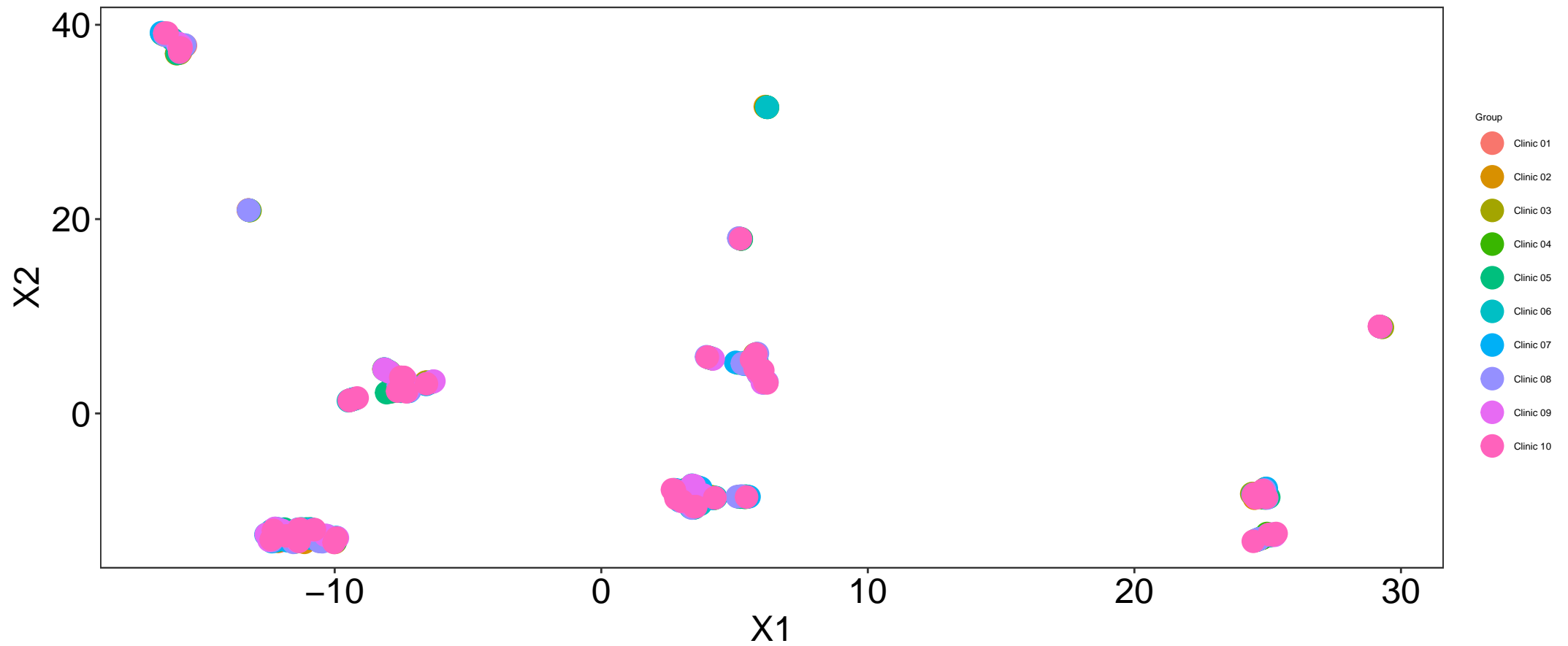
Escherichia coli



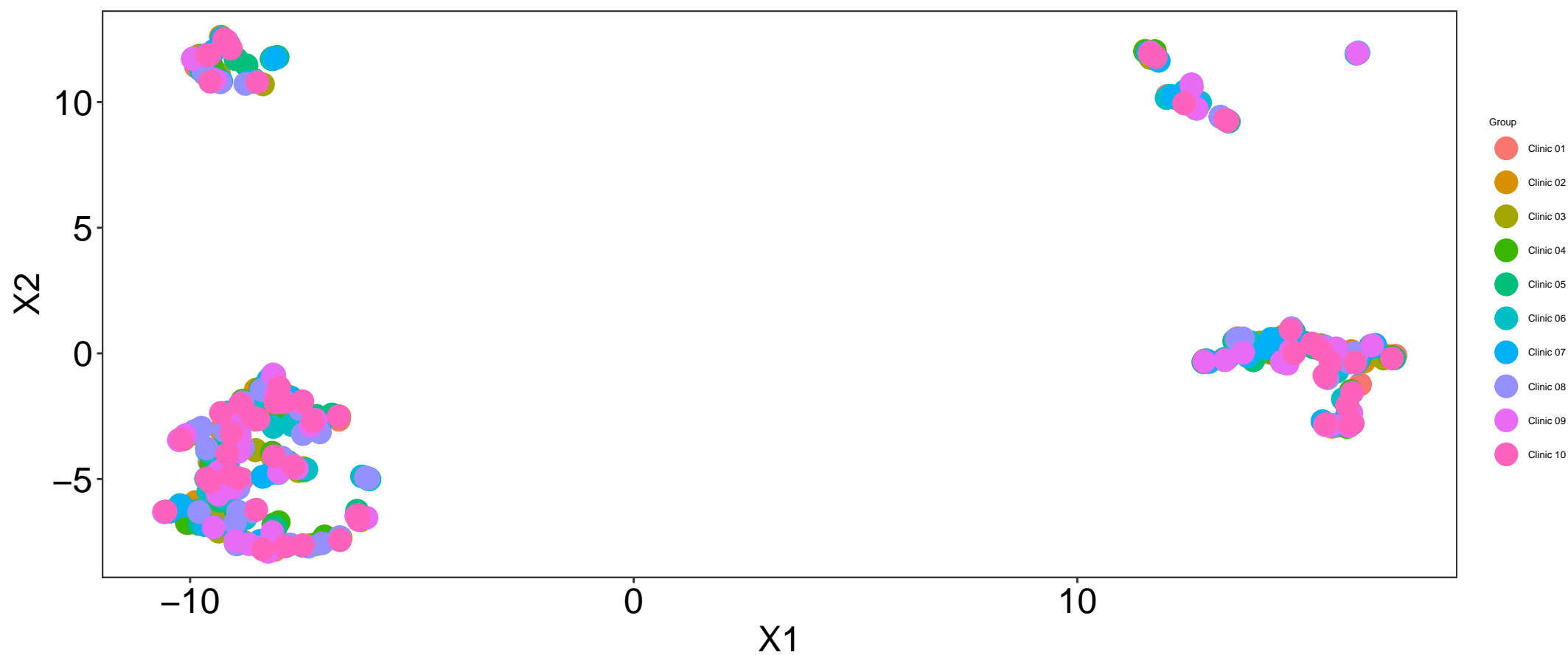
Pseudomonas aeruginosa



Staphylococcus aureus



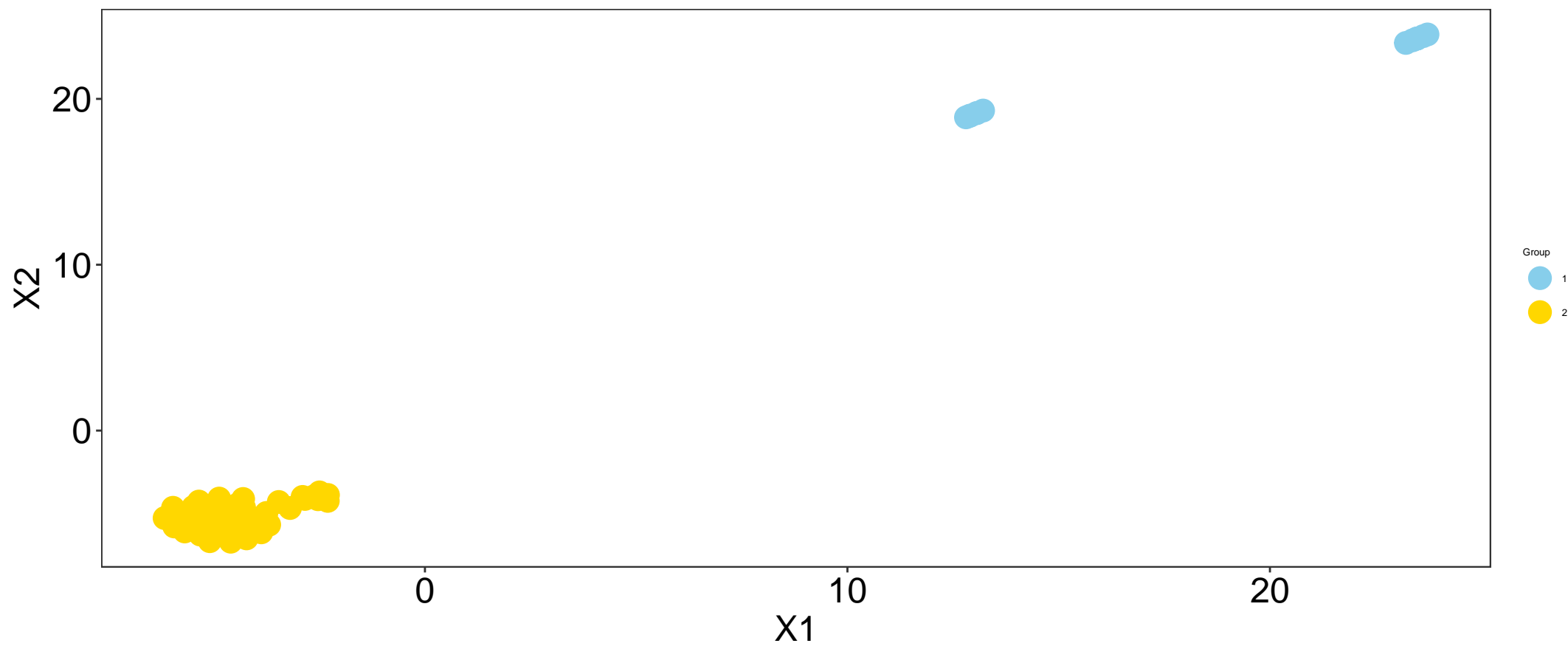
Staphylococcus epidermidis



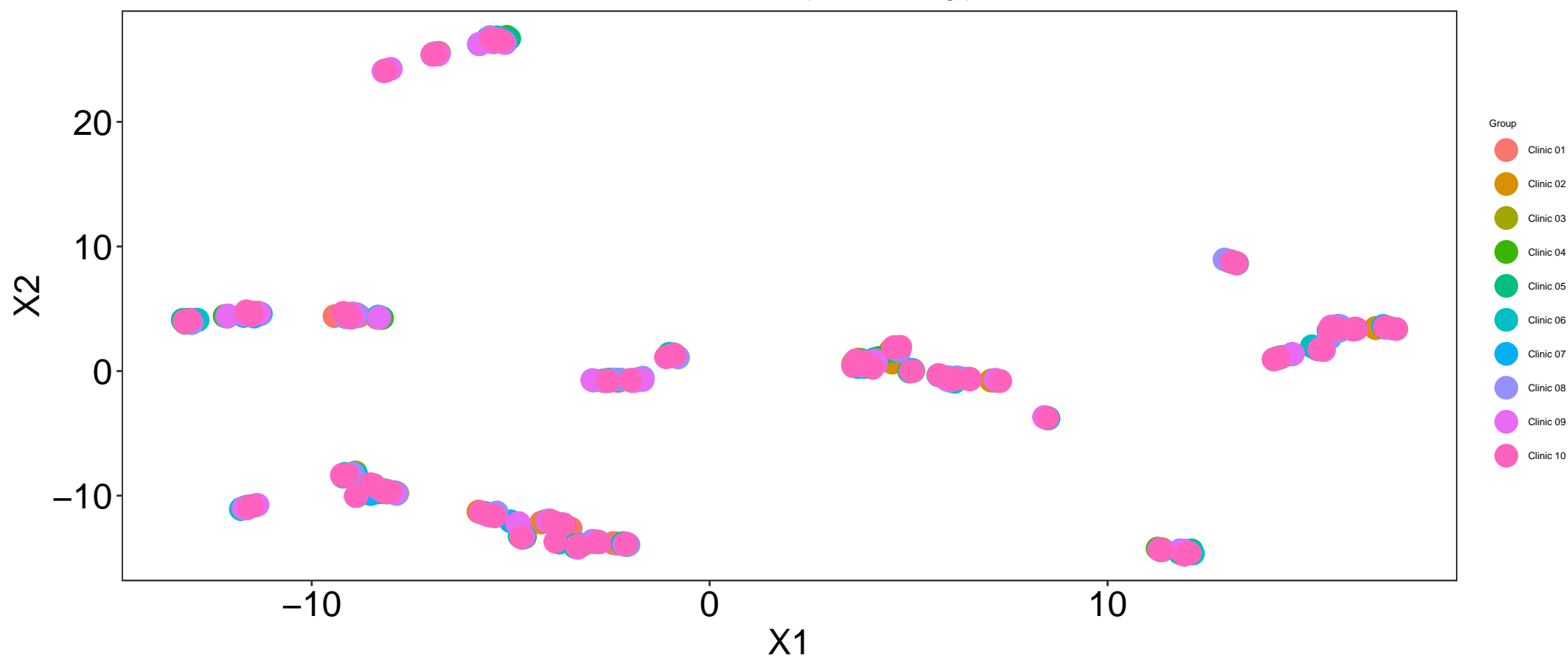
UMAP

Plot with colored clusters

Enterococcus faecalis

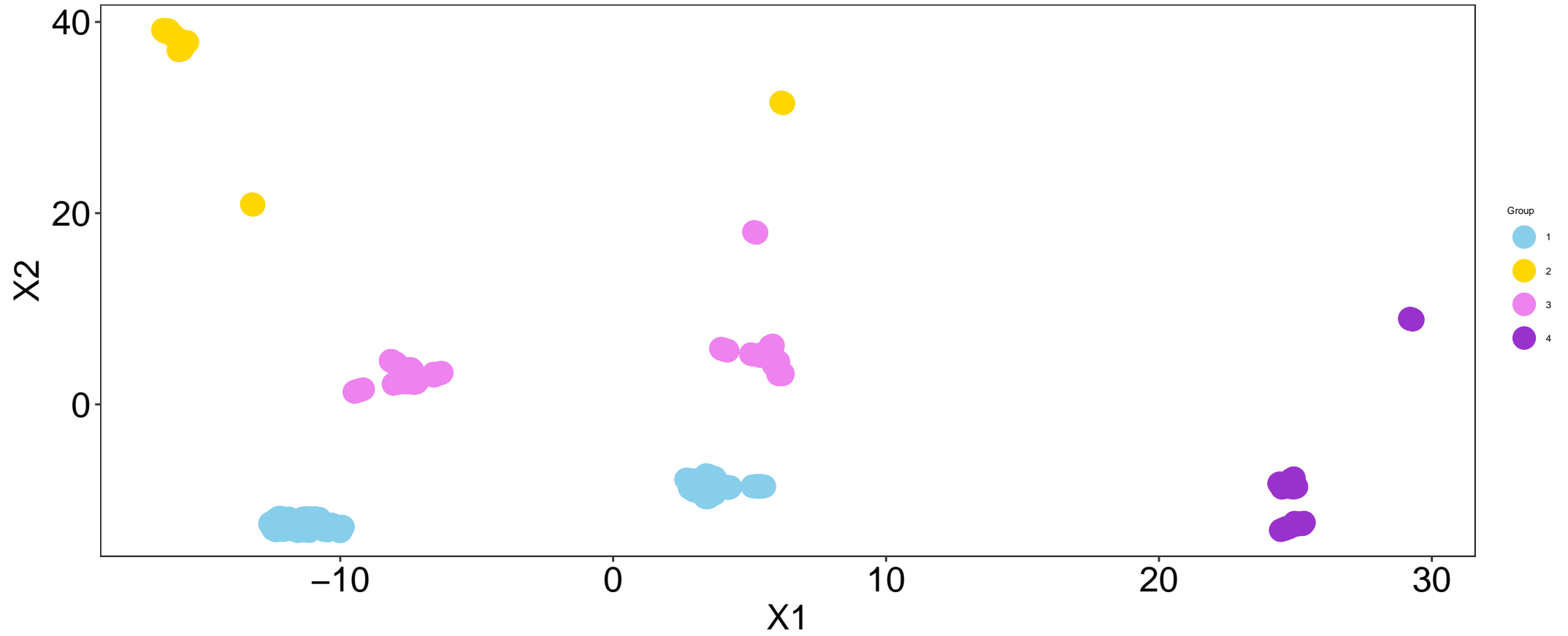


Escherichia coli – no unique clustering possible

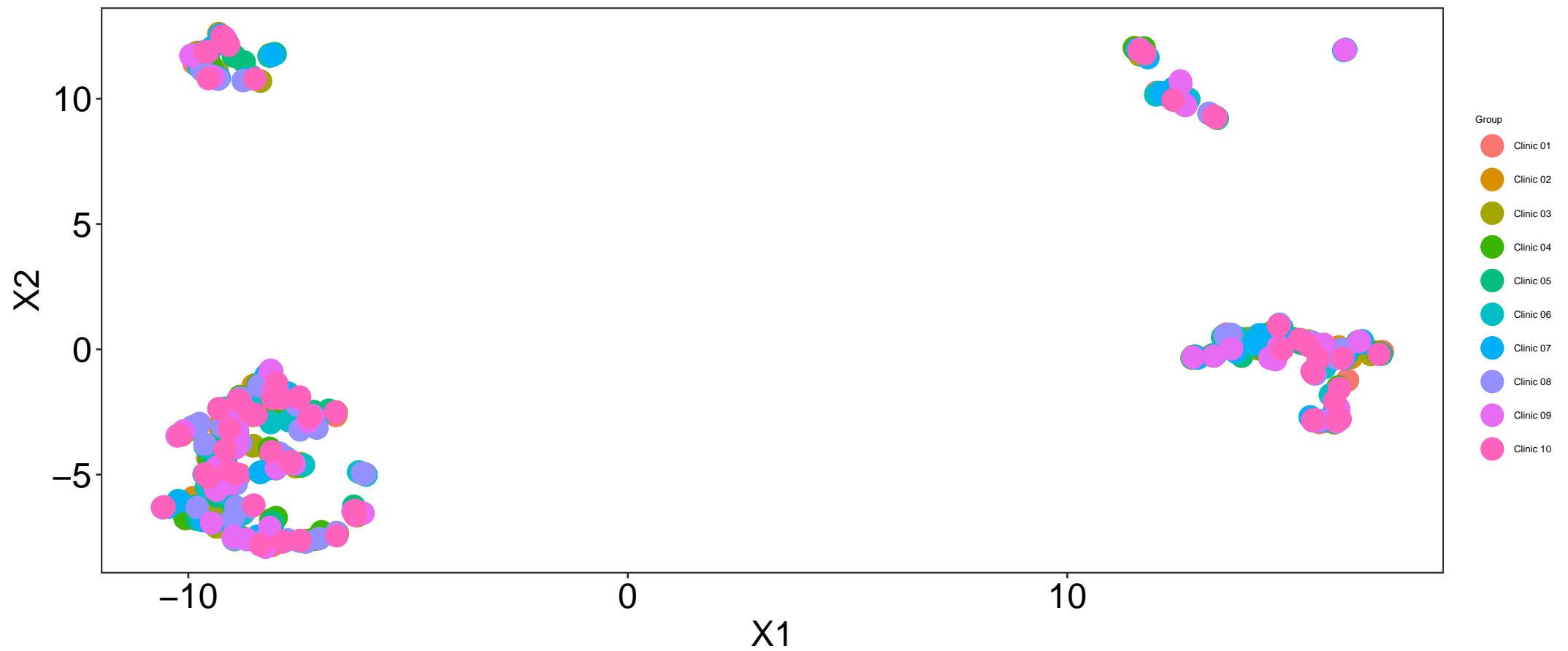


Pseudomonas aeruginosa – Insufficient data

Staphylococcus aureus



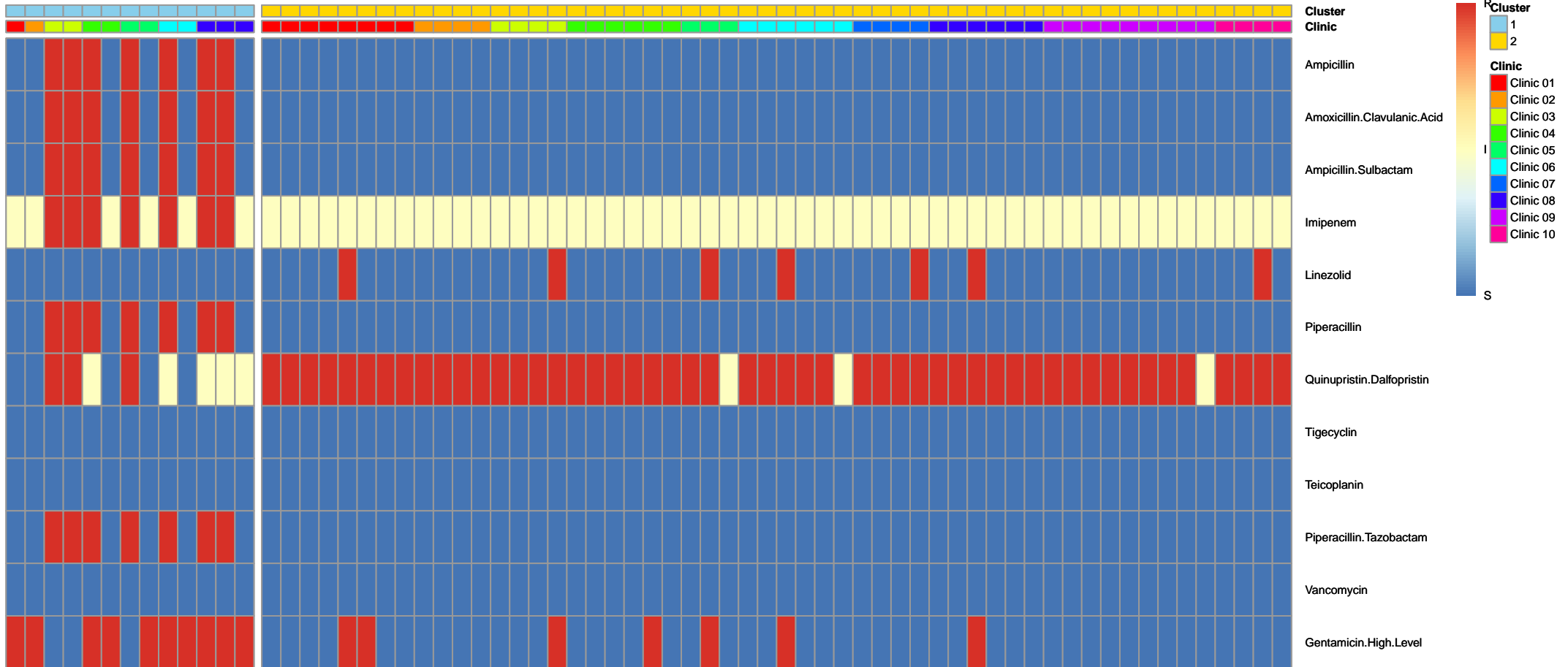
Staphylococcus epidermidis – no unique clustering possible



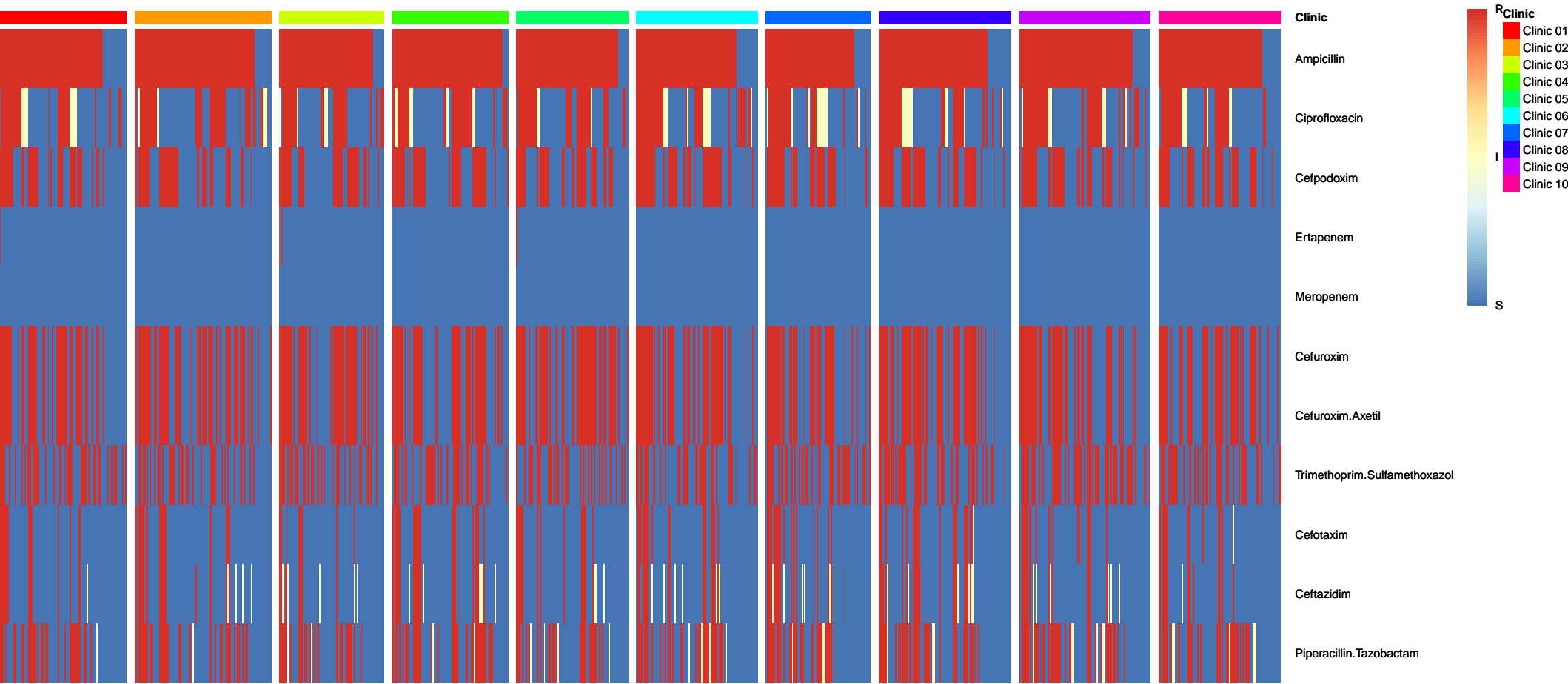
Heatmap

Data ordered by UMAP clusters

Enterococcus faecalis

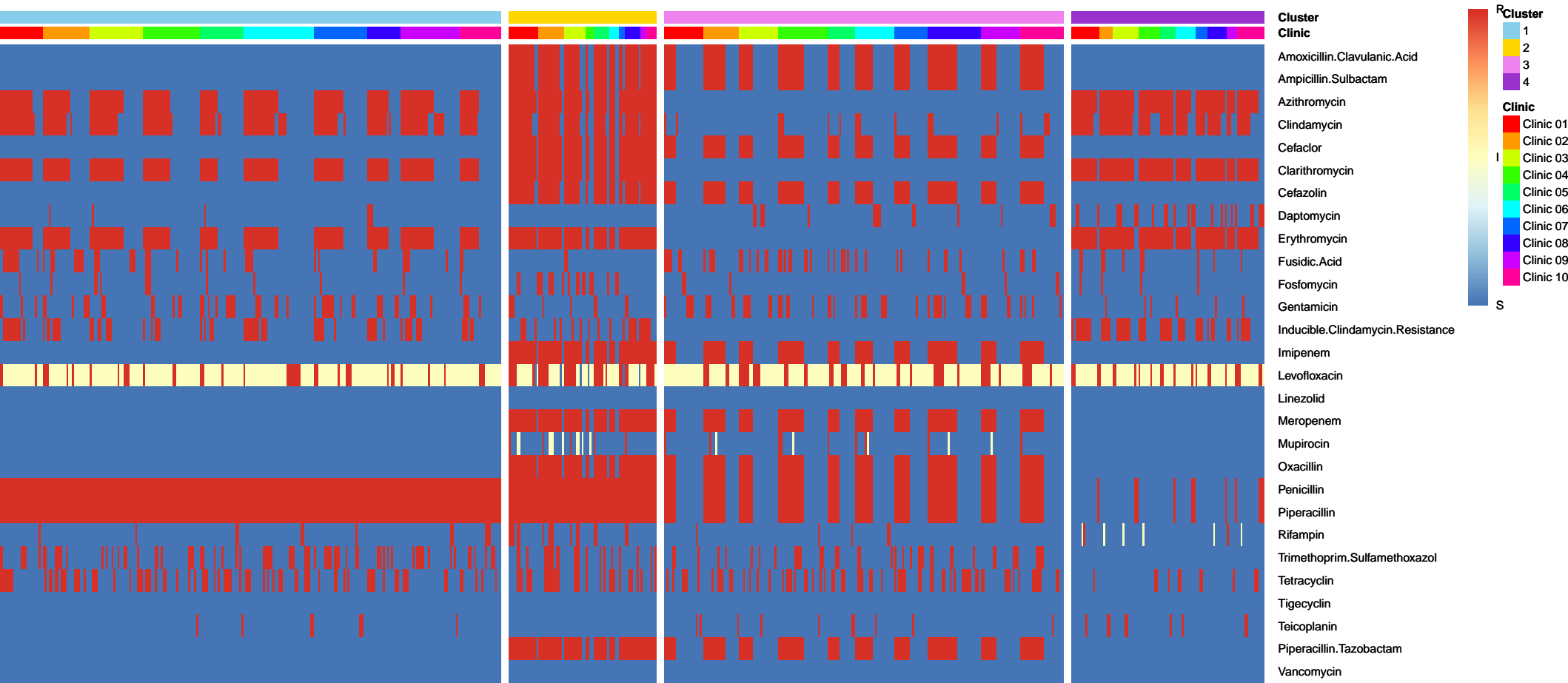


Escherichia coli – no unique clustering possible

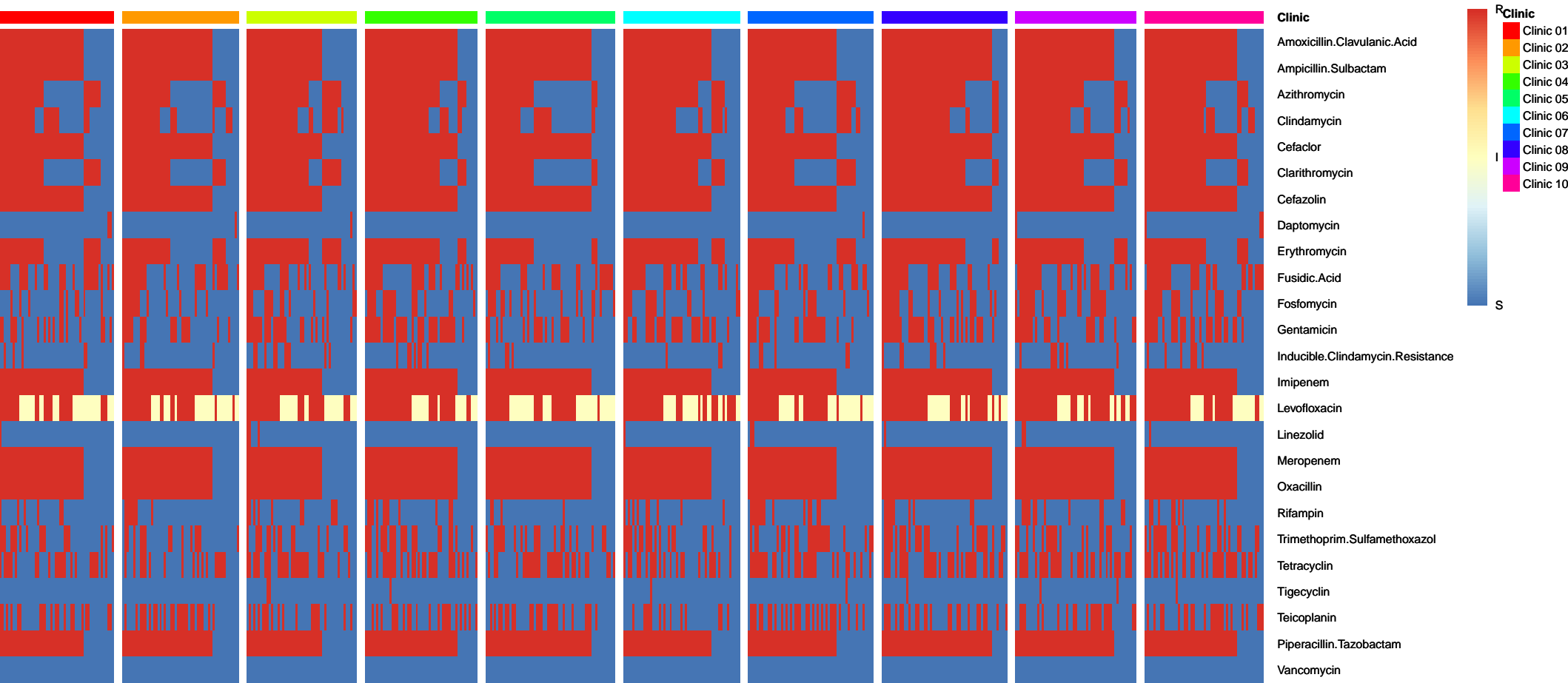


Pseudomonas aeruginosa – Insufficient data

Staphylococcus aureus



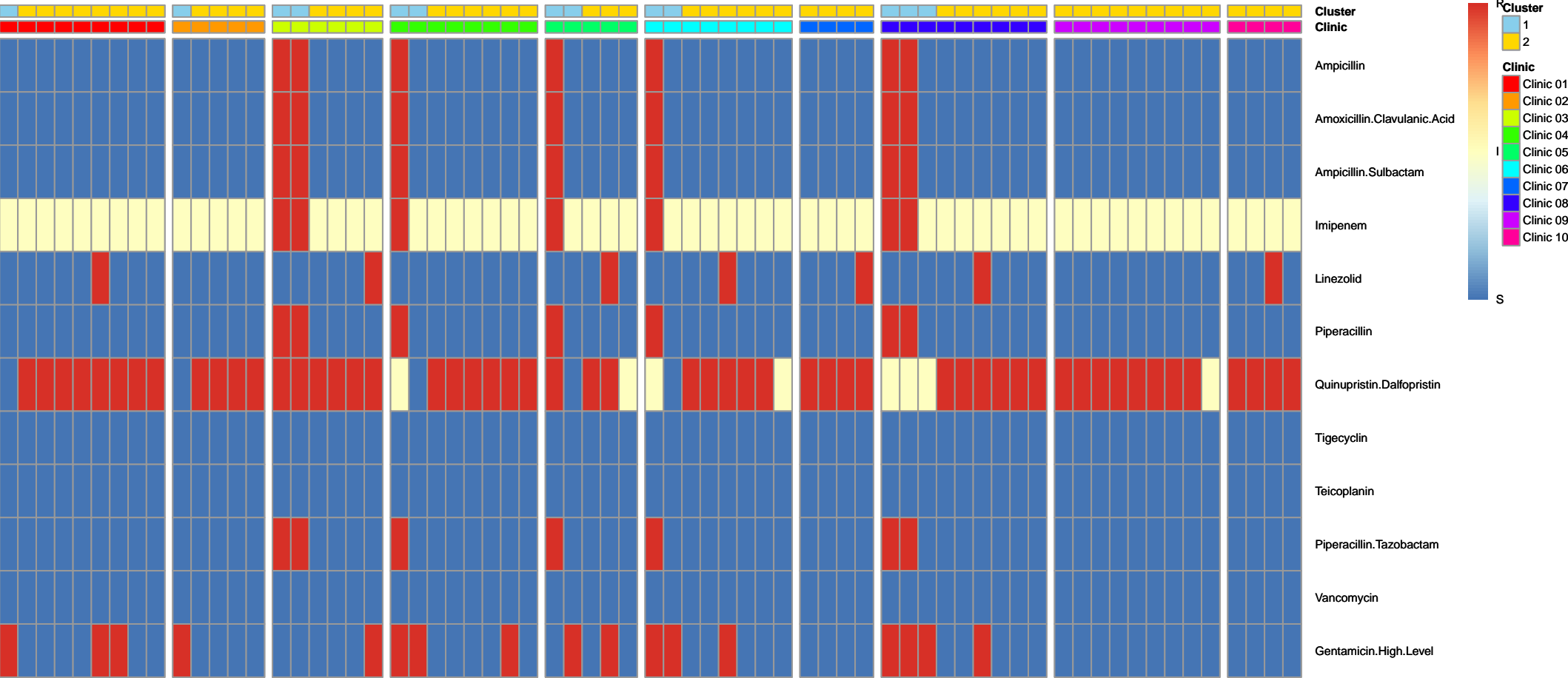
Staphylococcus epidermidis – no unique clustering possible



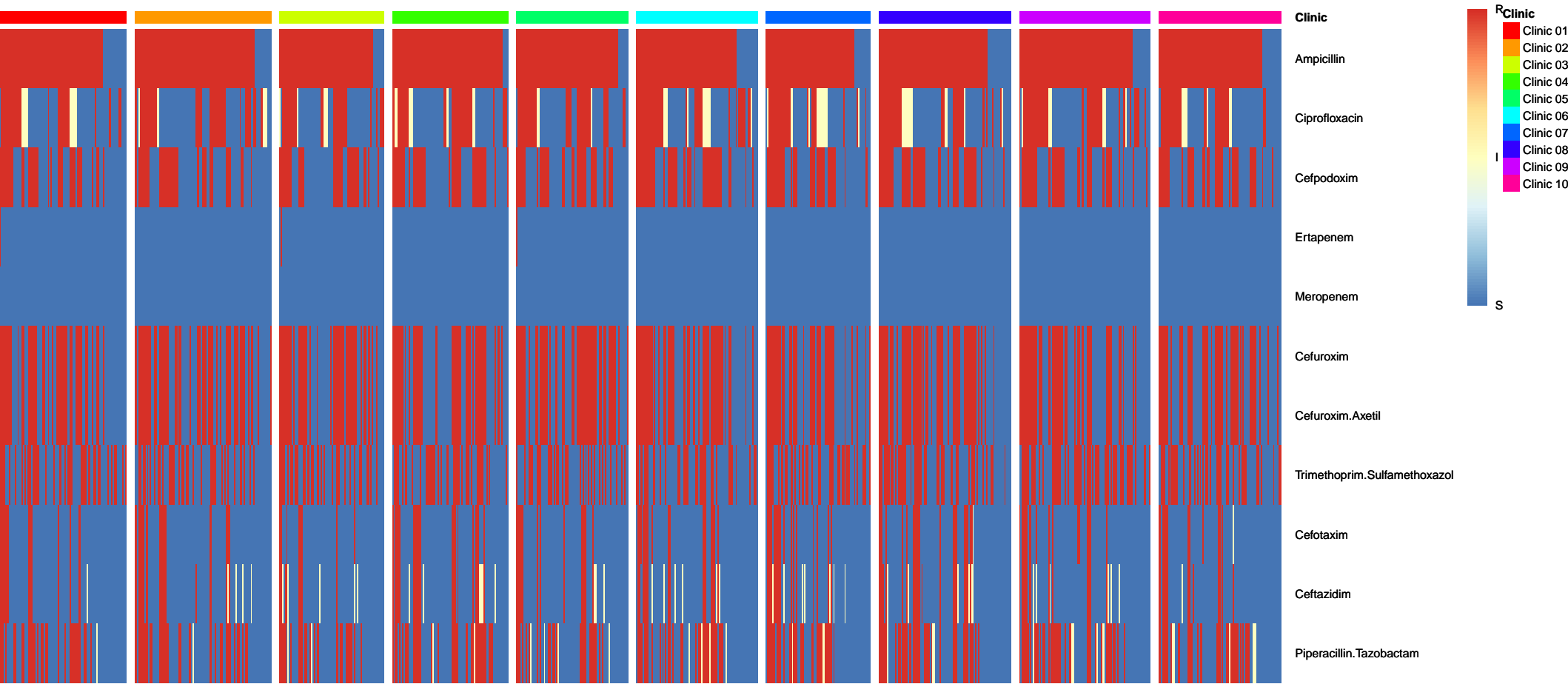
Heatmap

Data ordered by clinic

Enterococcus faecalis

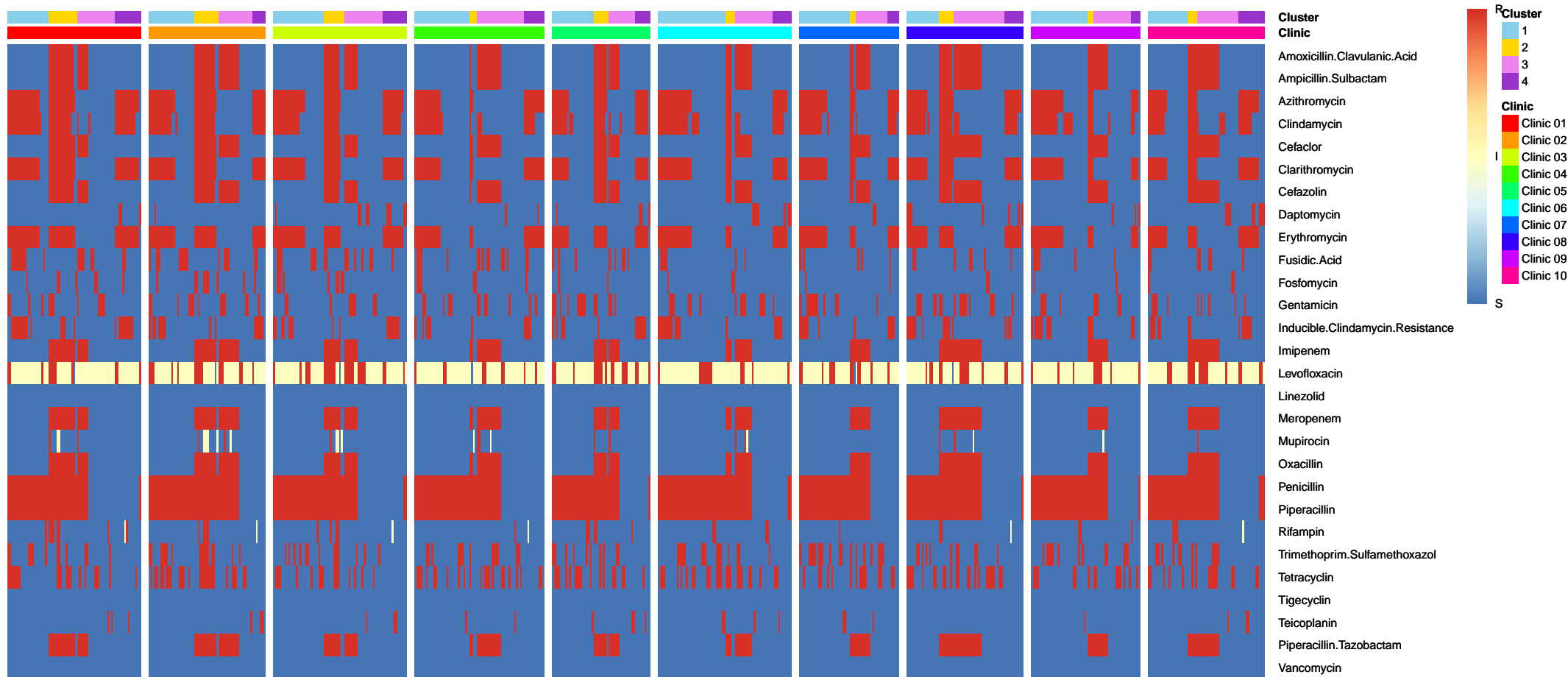


Escherichia coli – no unique clustering possible

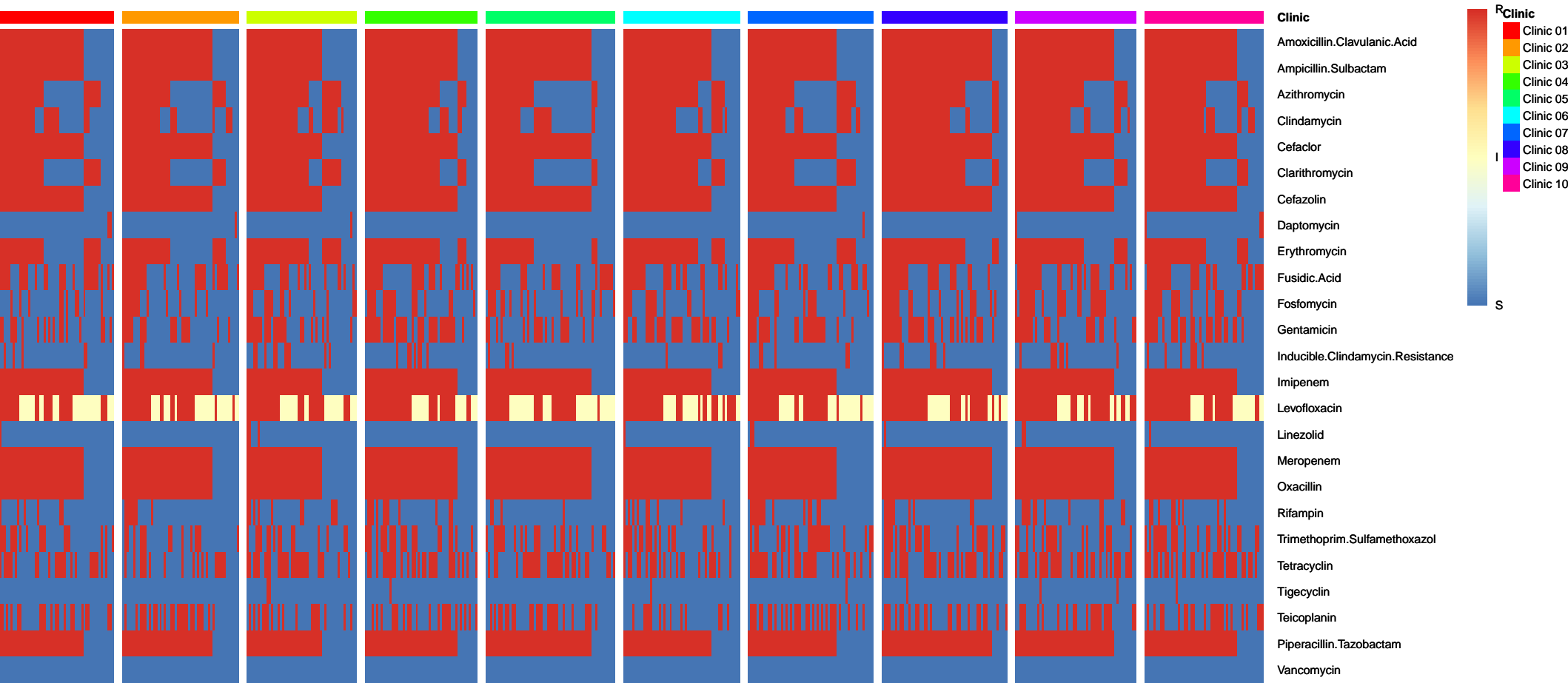


Pseudomonas aeruginosa – Insufficient data

Staphylococcus aureus



Staphylococcus epidermidis – no unique clustering possible

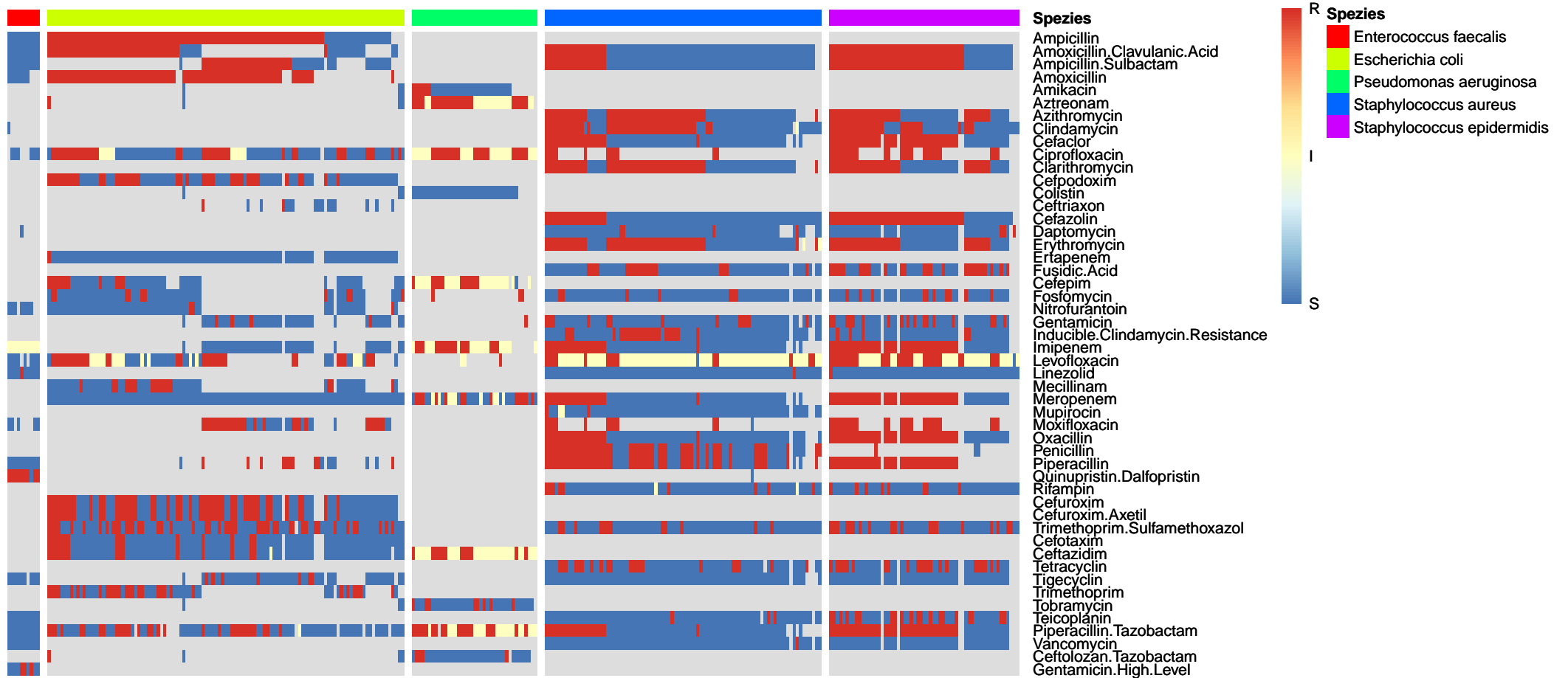


Independent analysis per clinic

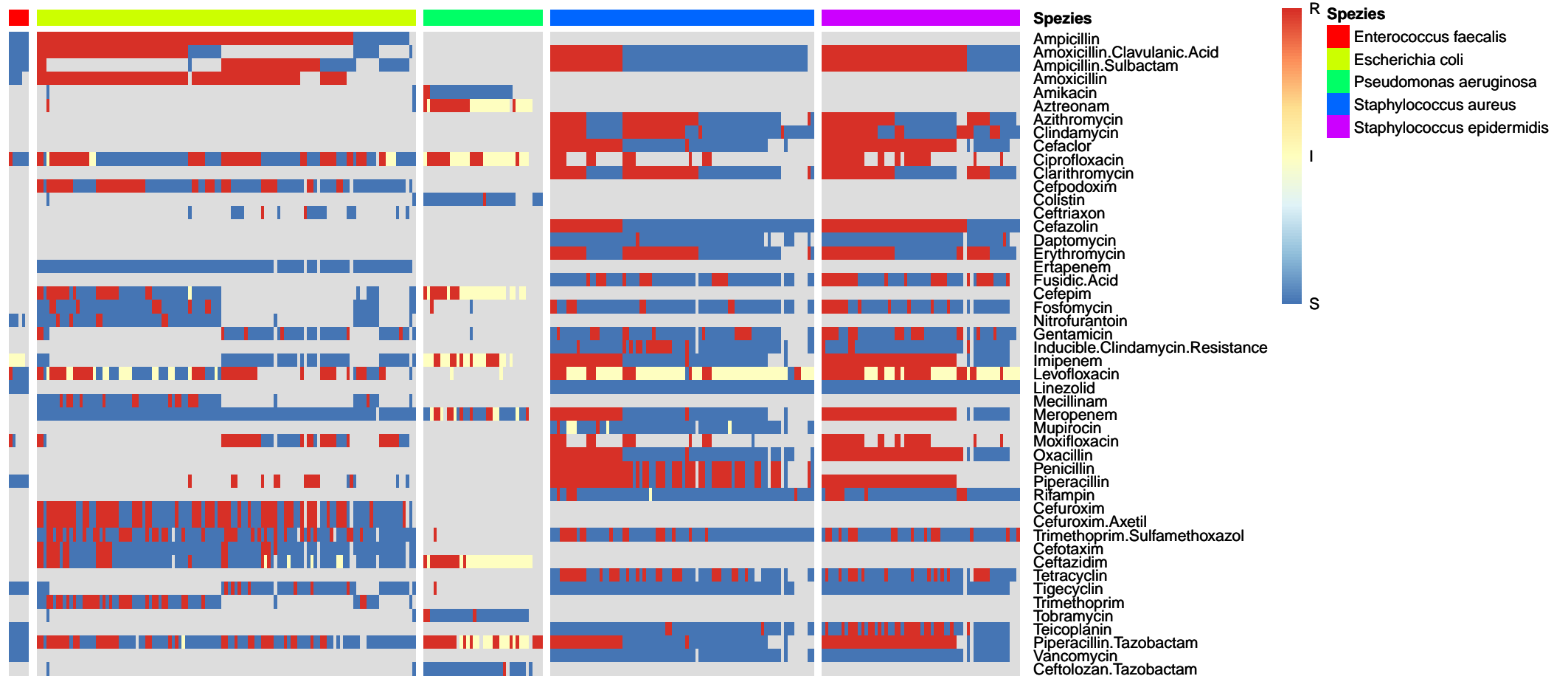
Heatmap

Data ordered by species

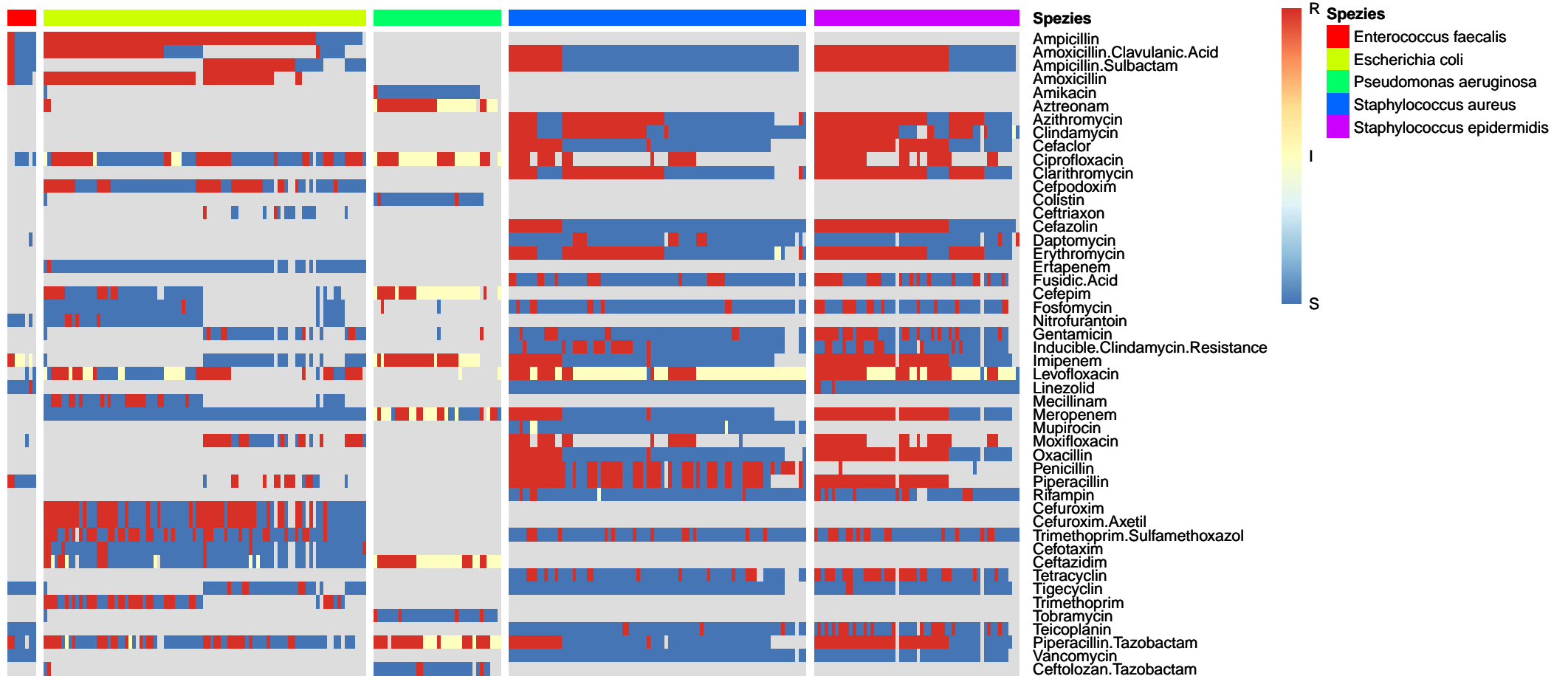
Clinic 01



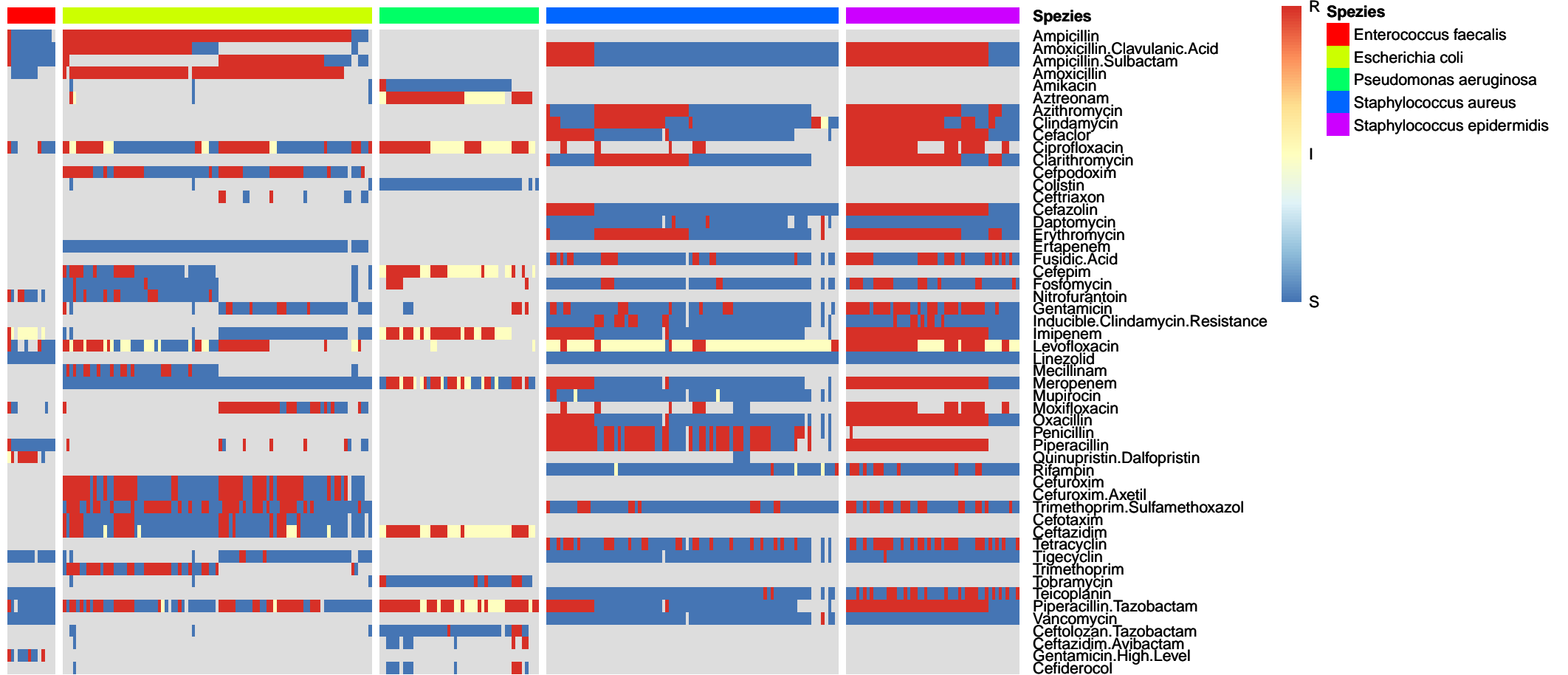
Clinic 02



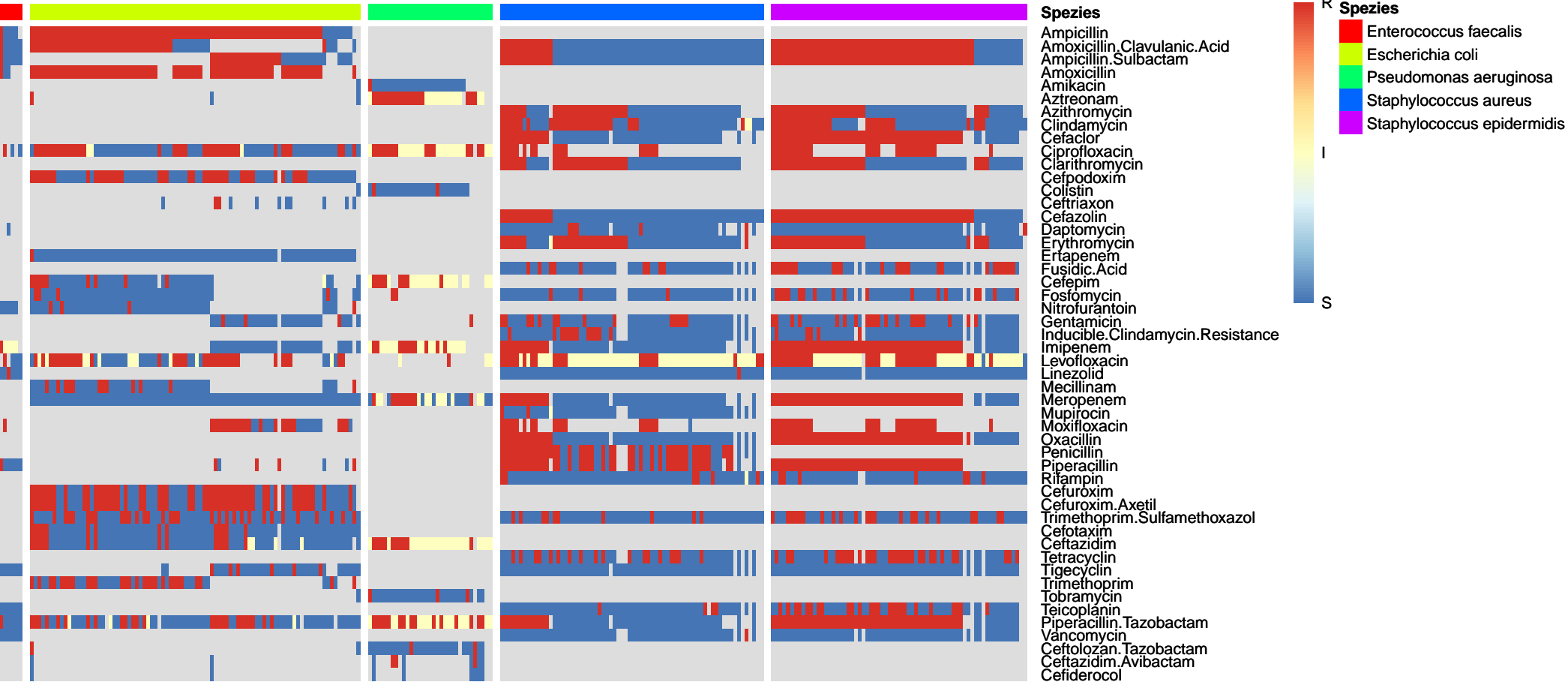
Clinic 03



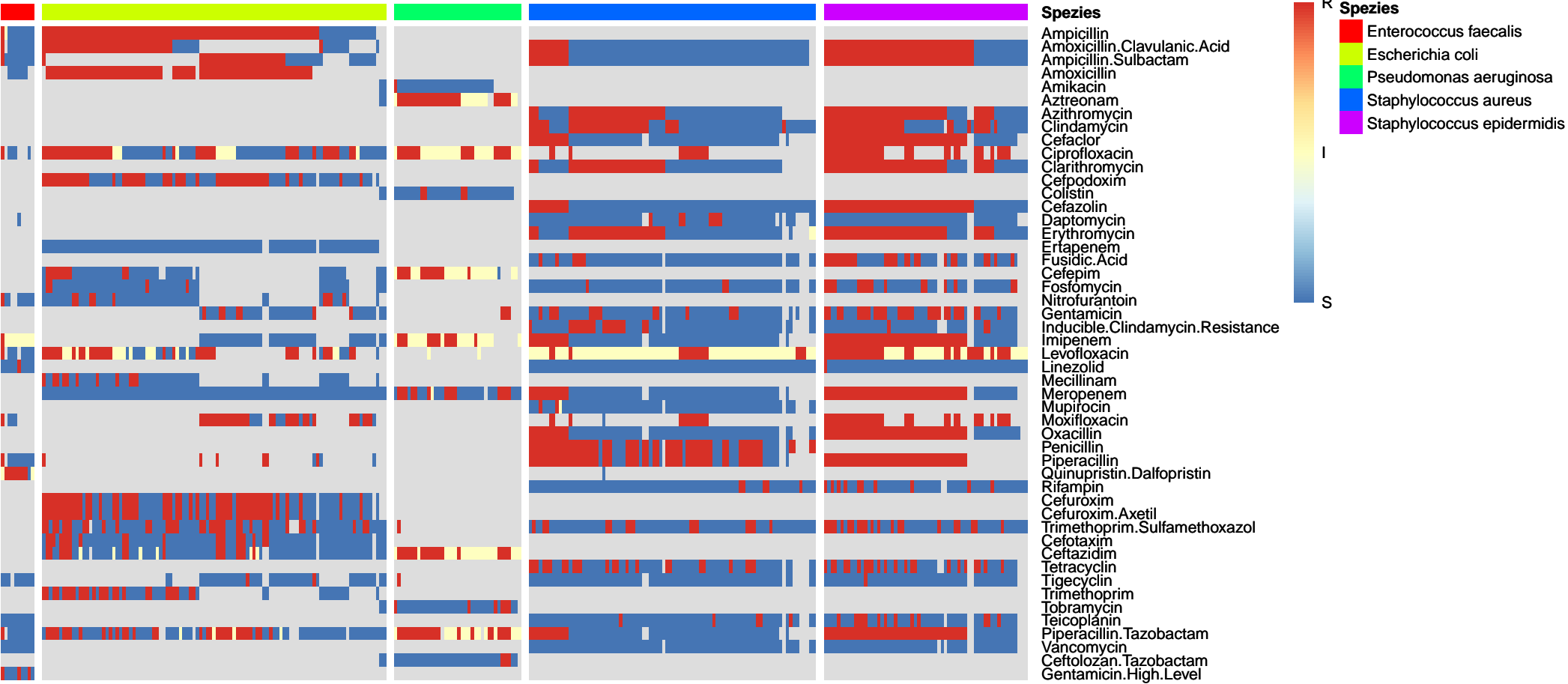
Clinic 04



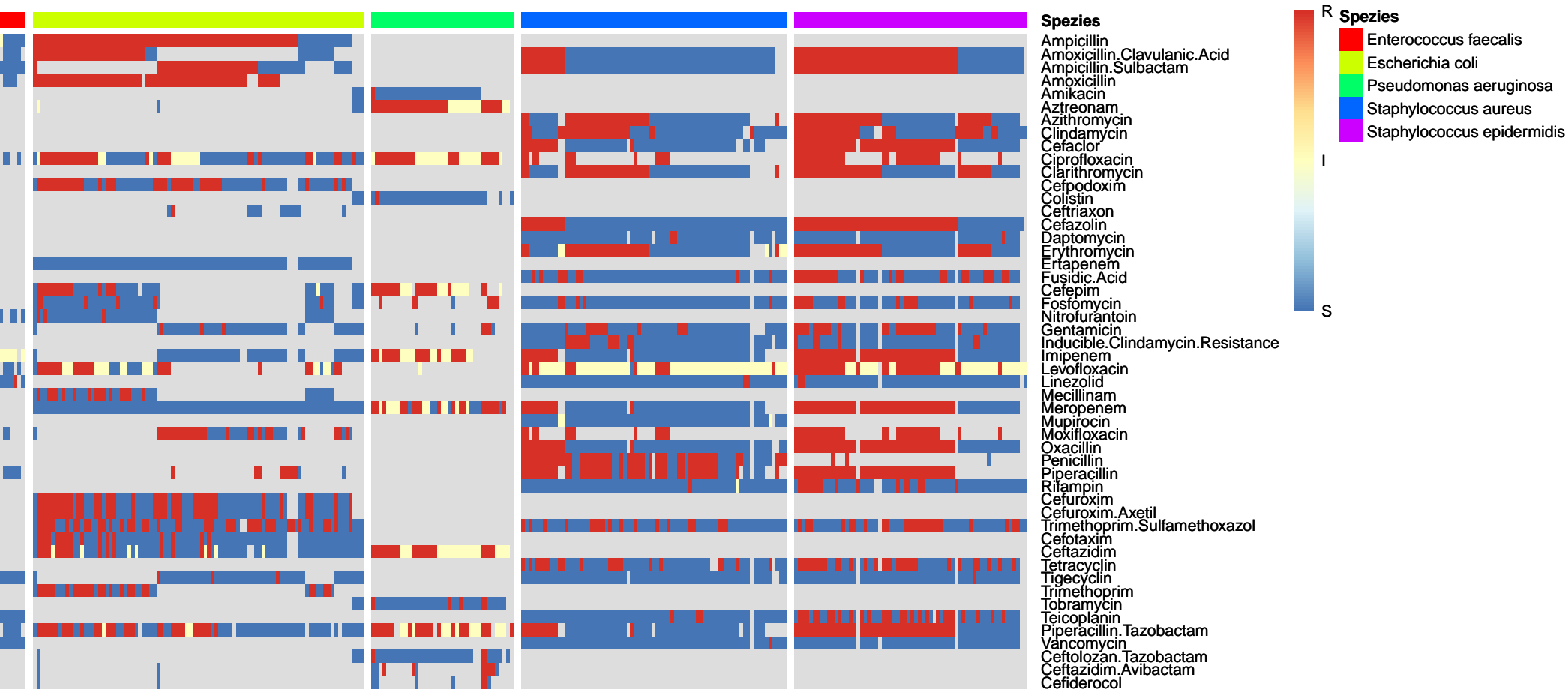
Clinic 05



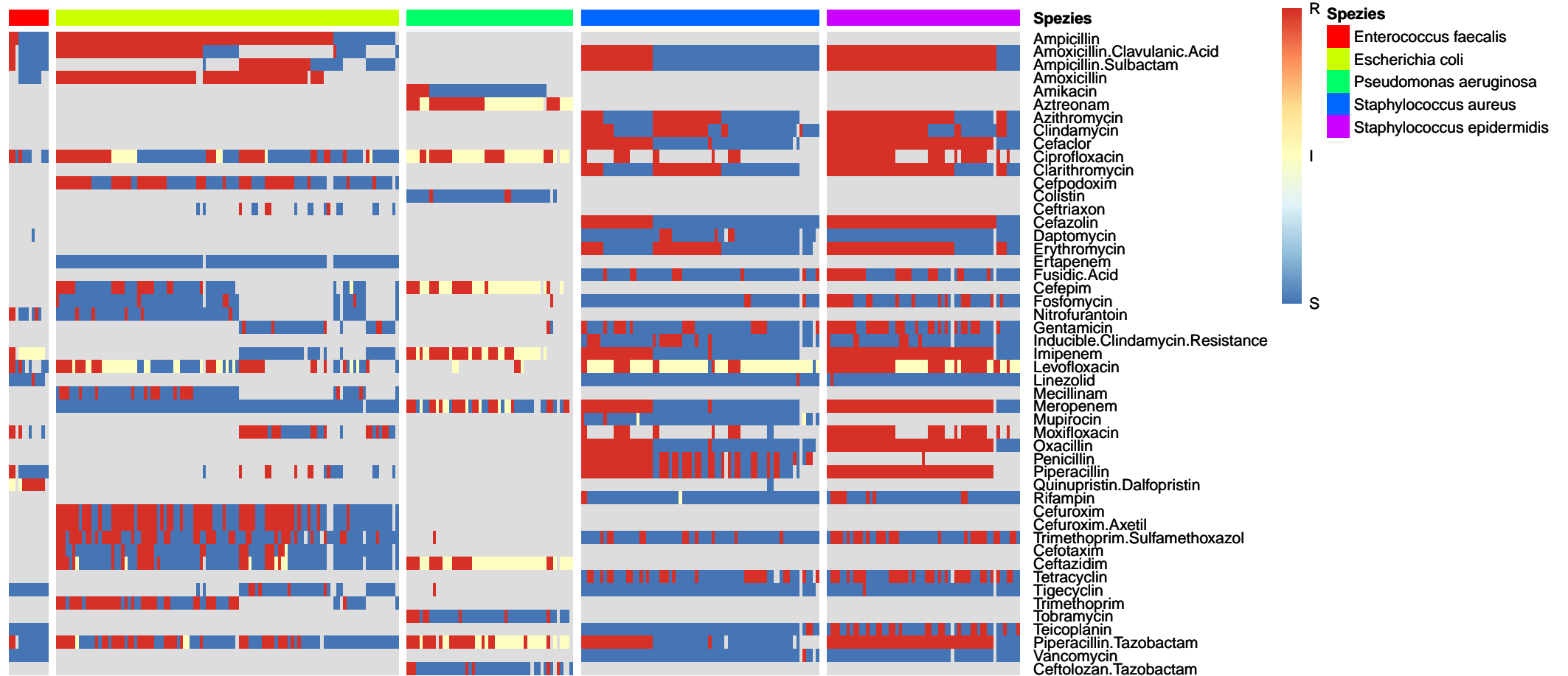
Clinic 06



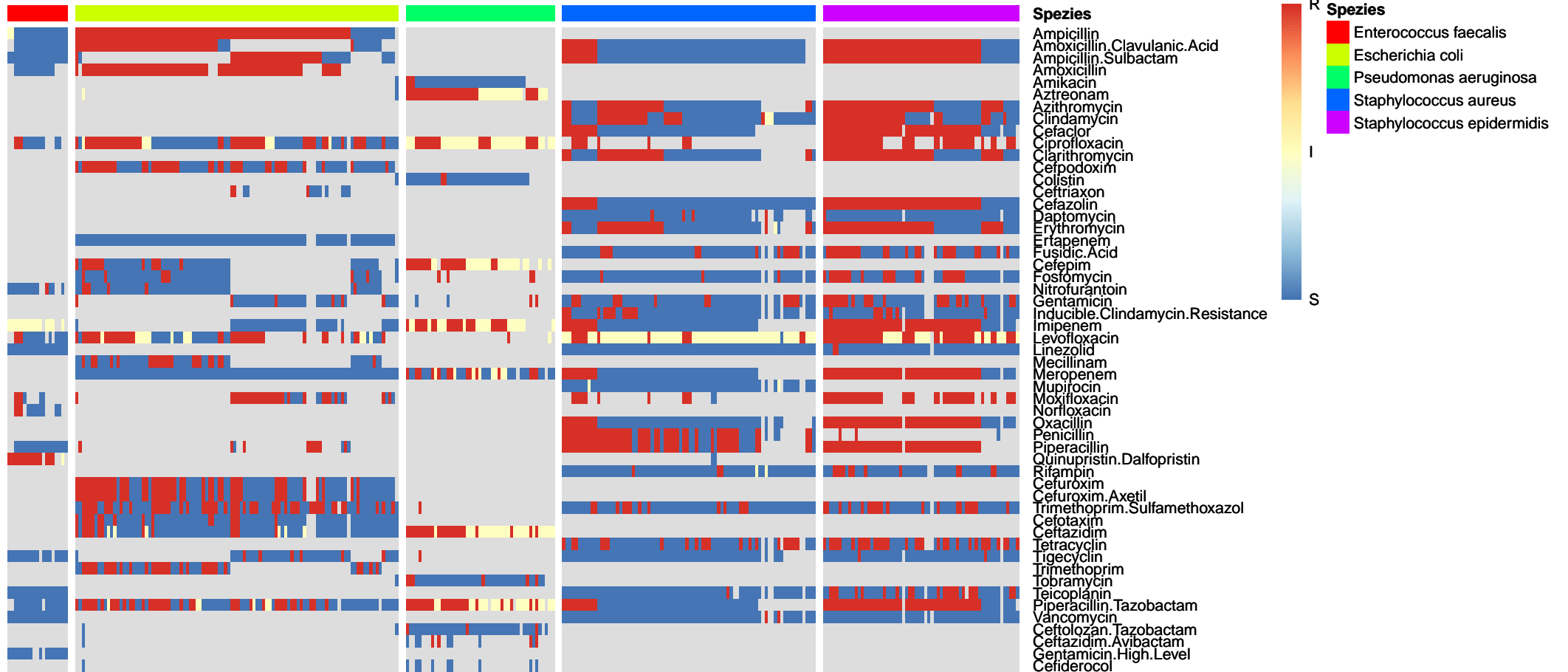
Clinic 07



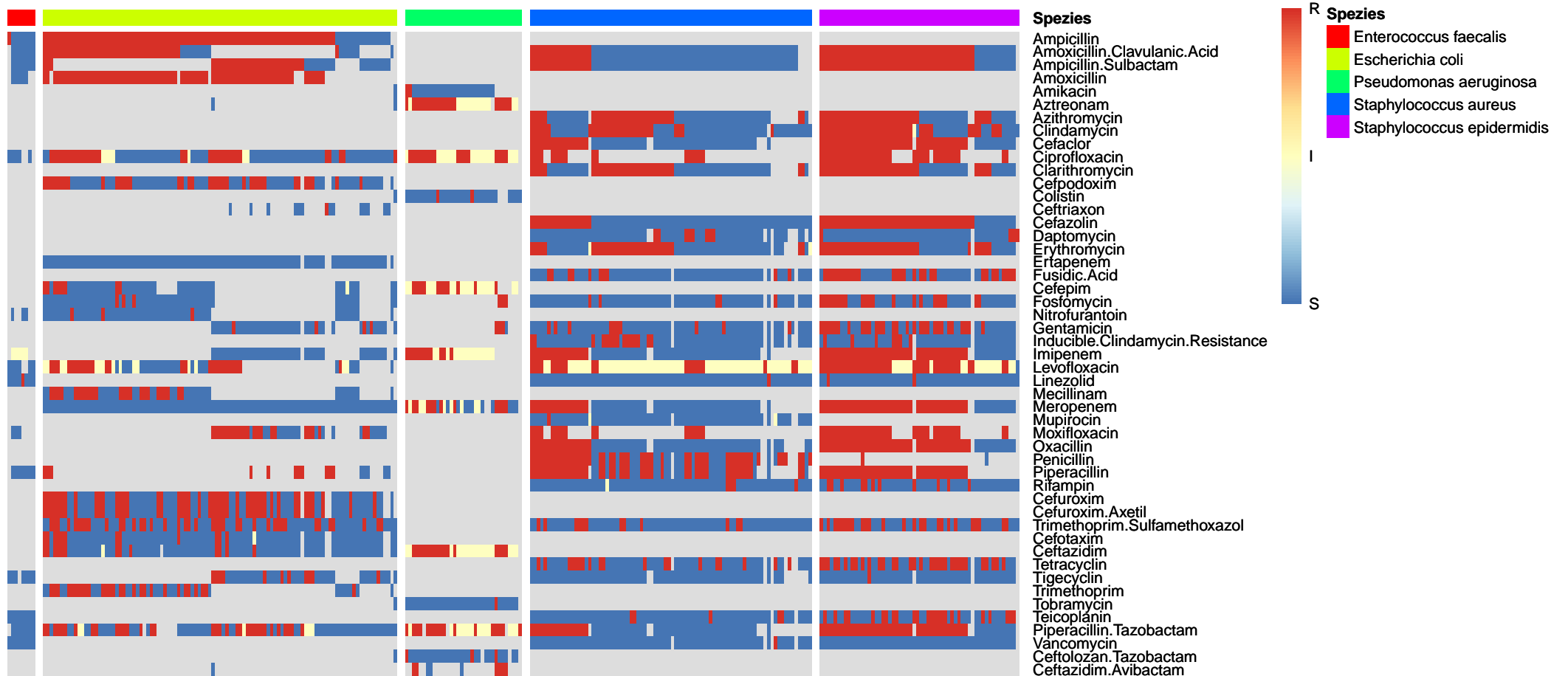
Clinic 08



Clinic 09



Clinic 10

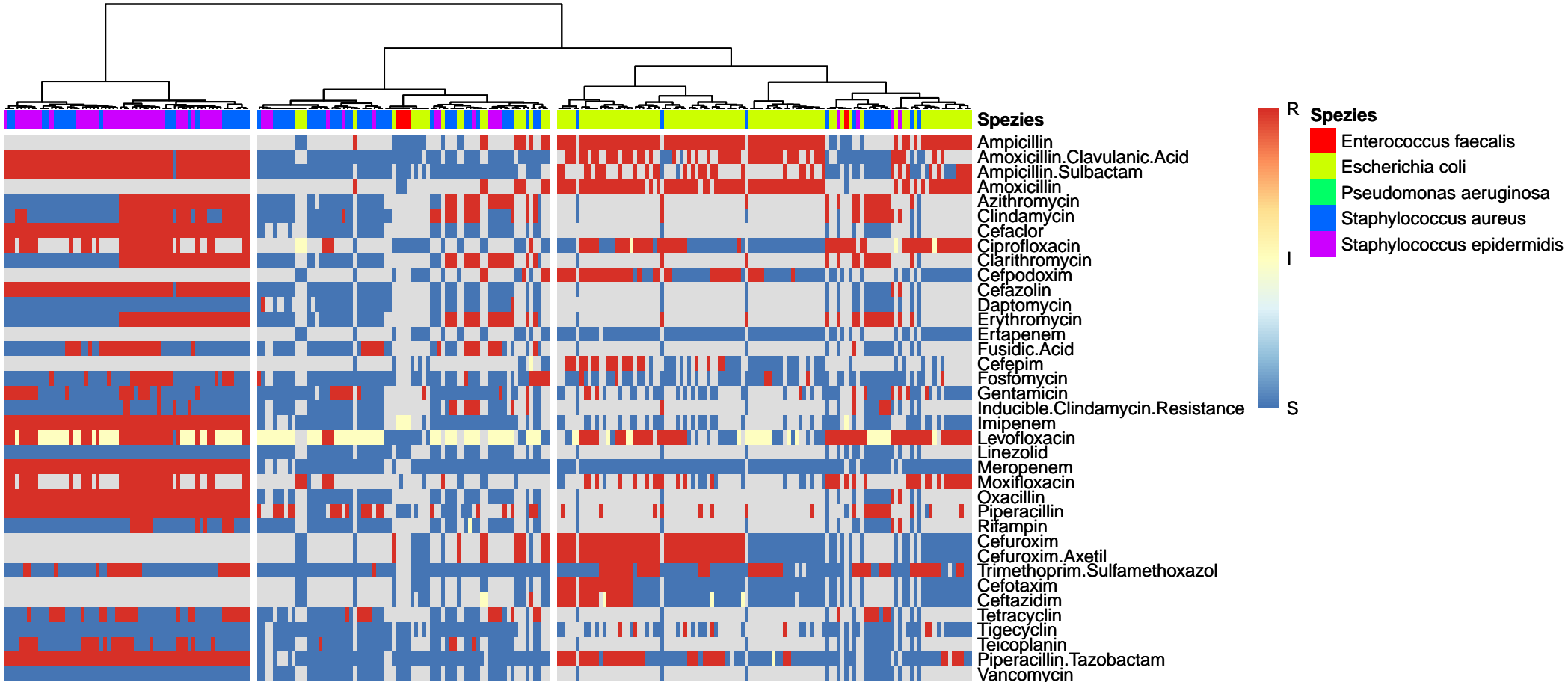


Heatmap

Hierarchical clustering

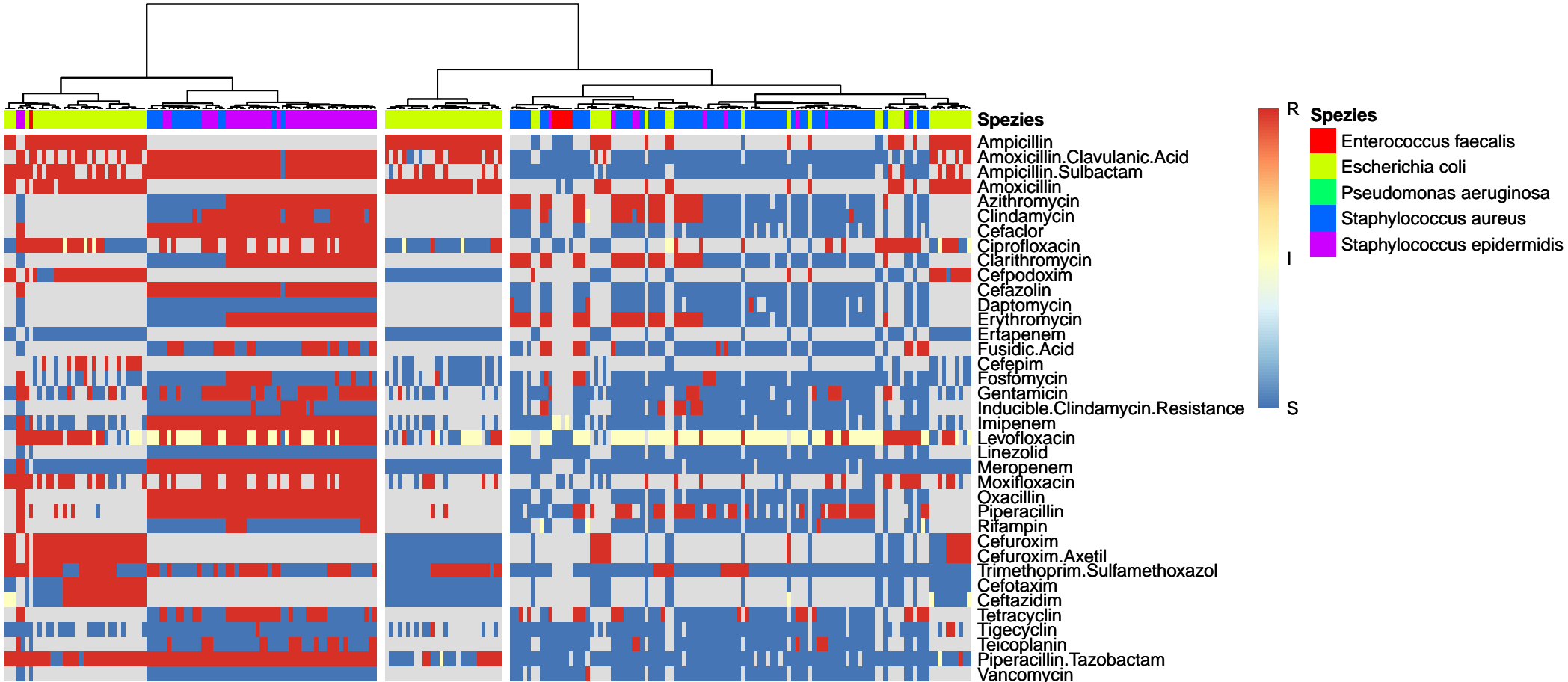
Clinic 01 – no clustering possible

Clinic 02



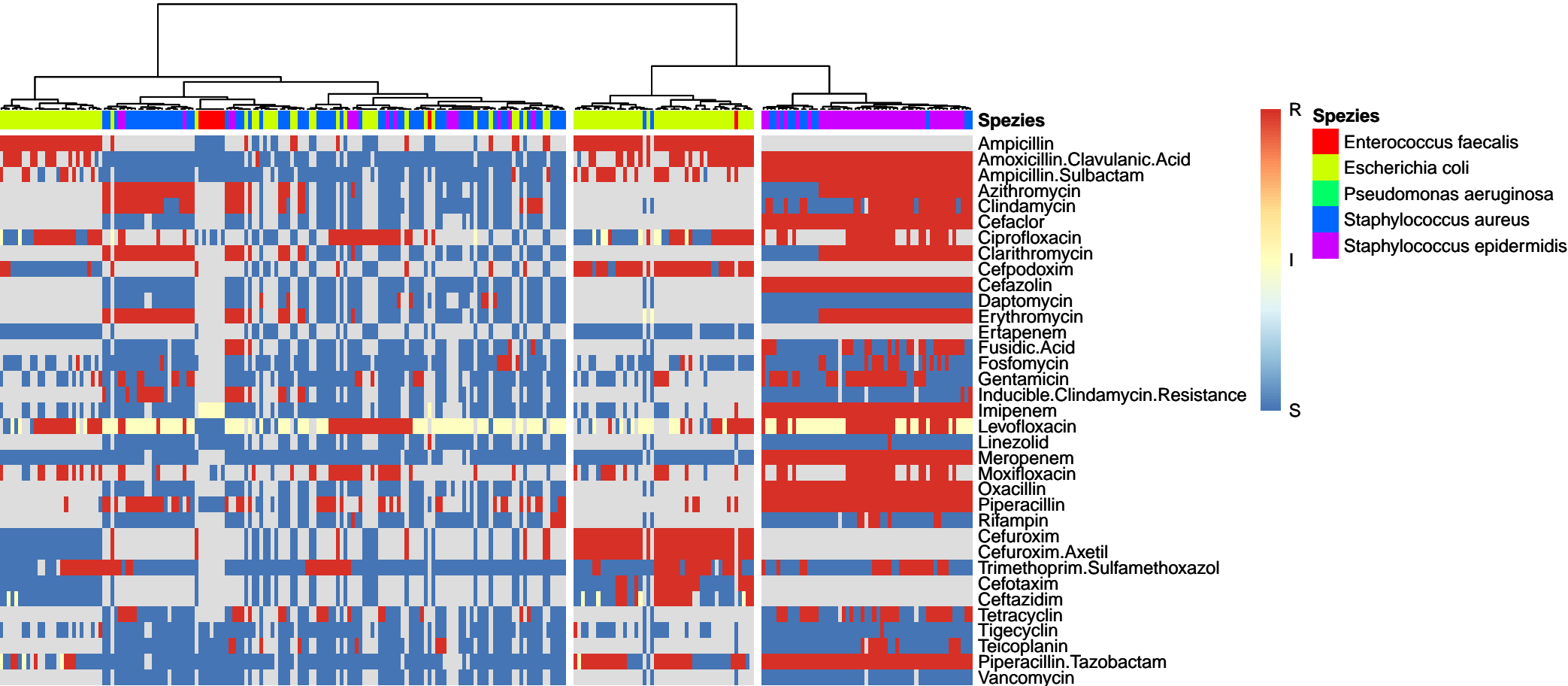
Clinic 03 – no clustering possible

Clinic 04

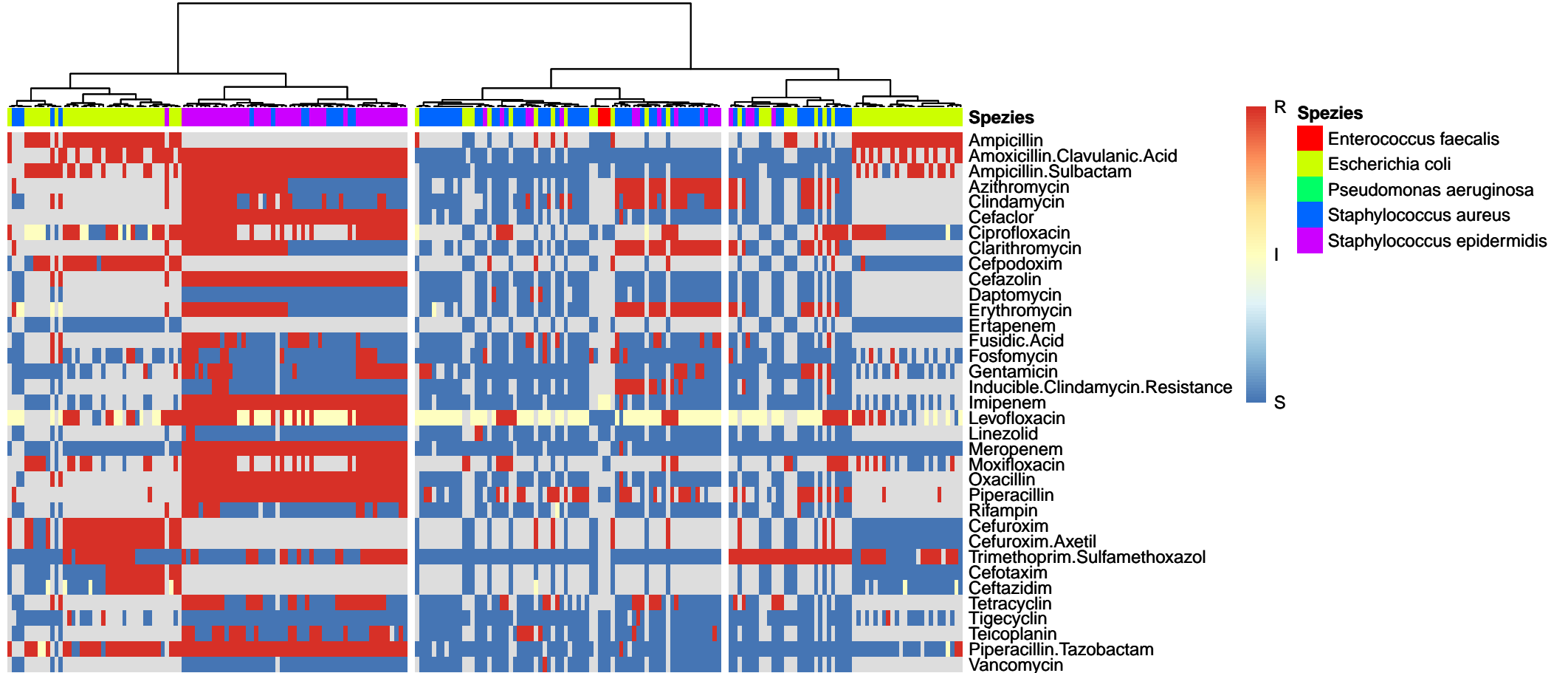


Clinic 05 – no clustering possible

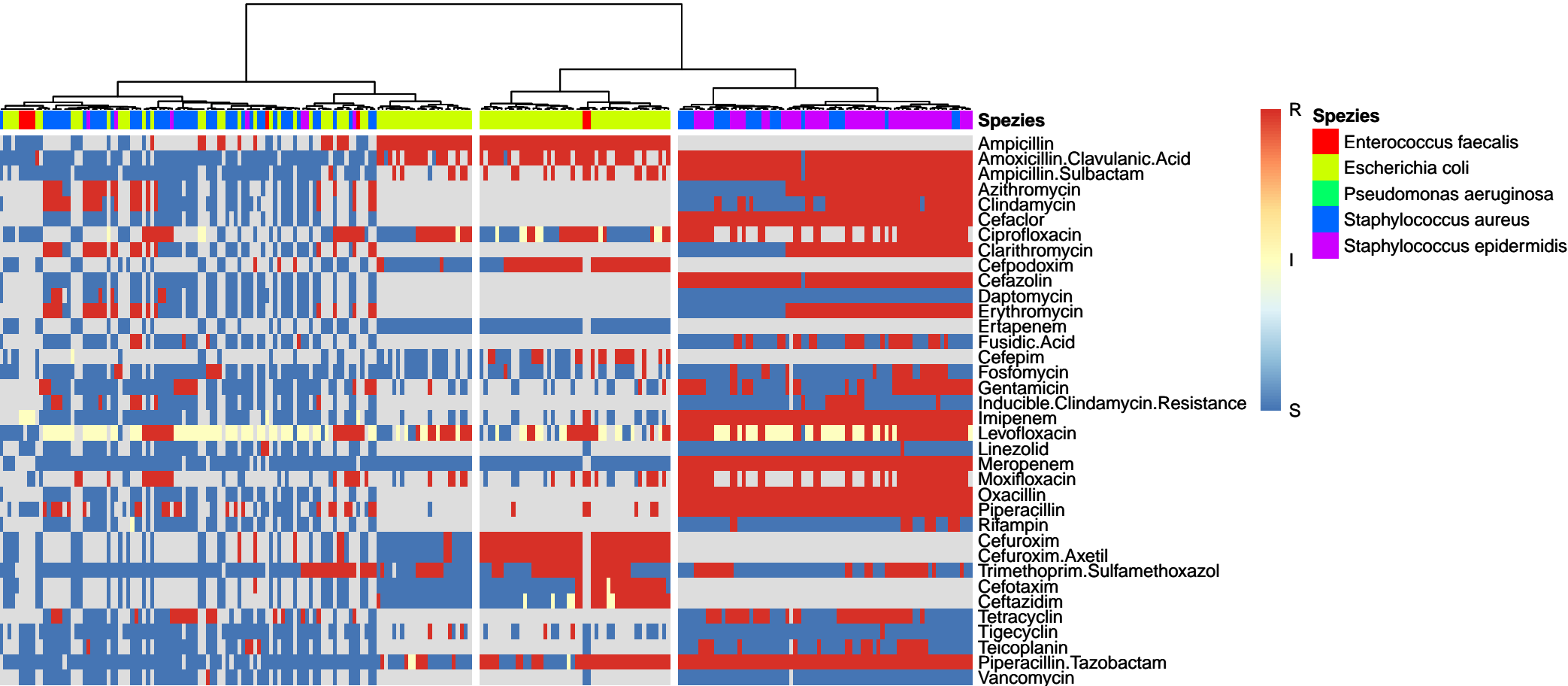
Clinic 06



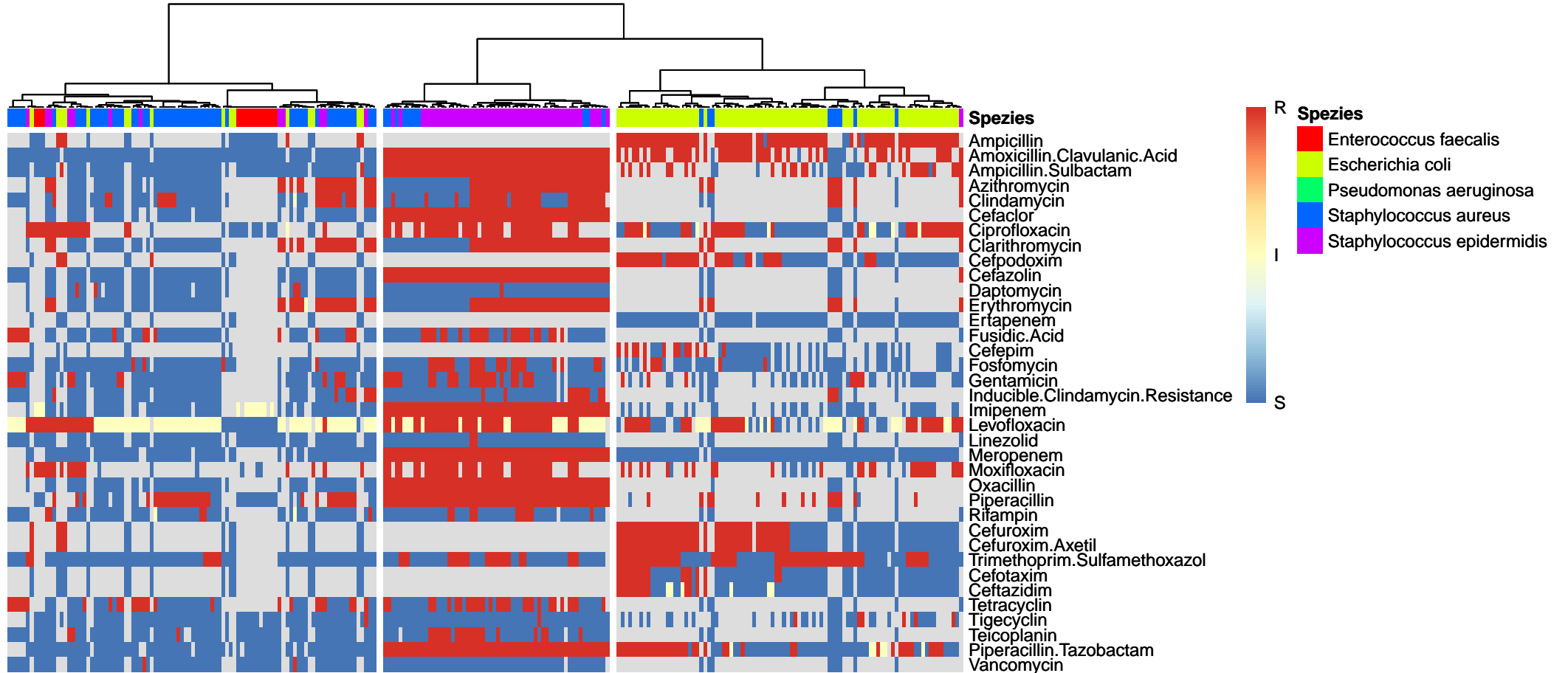
Clinic 07



Clinic 08



Clinic 09



Clinic 10 – no clustering possible