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Expanded View Figures

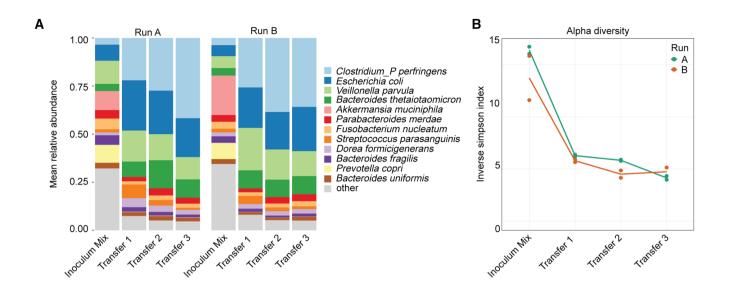
Figure EV1. Establishment of a stable microbial community after three community transfers.

- A Relative abundance of the community members during the community transfer phase prior to drug treatment.
- B Alpha-diversity measurements during the community transfer phase prior to drug treatment.
- C The Bray-Curtis dissimilarity values for pairwise comparison of community compositions during the community transfer phase prior to drug treatment.
- D Growth curves were measured every hour during community establishment. We fit a sigmoid function to the measurements per day, and normalised the resulting OD curves. Based on the observed growth curve, we chose to treat the community after 5 h (black vertical line) so that the tightly spaced time points within 3 h are all within the exponential phase.

EV1

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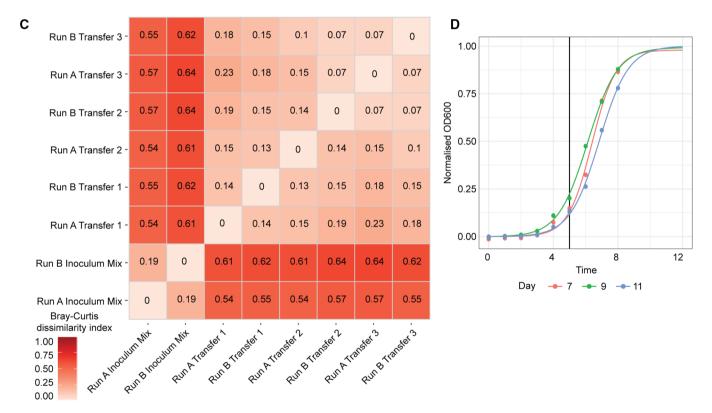


Figure EV1.

Figure EV2. Differences between species abundances estimated by metagenomics and 16S sequencing are not species-, condition- or Gram-type specific.

- A Metagenomics versus 16S sequencing species abundances coloured by species.
- B Metagenomics versus 16S sequencing species abundances coloured by condition.
- C Metagenomics versus 16S sequencing species abundances coloured by Gram staining.

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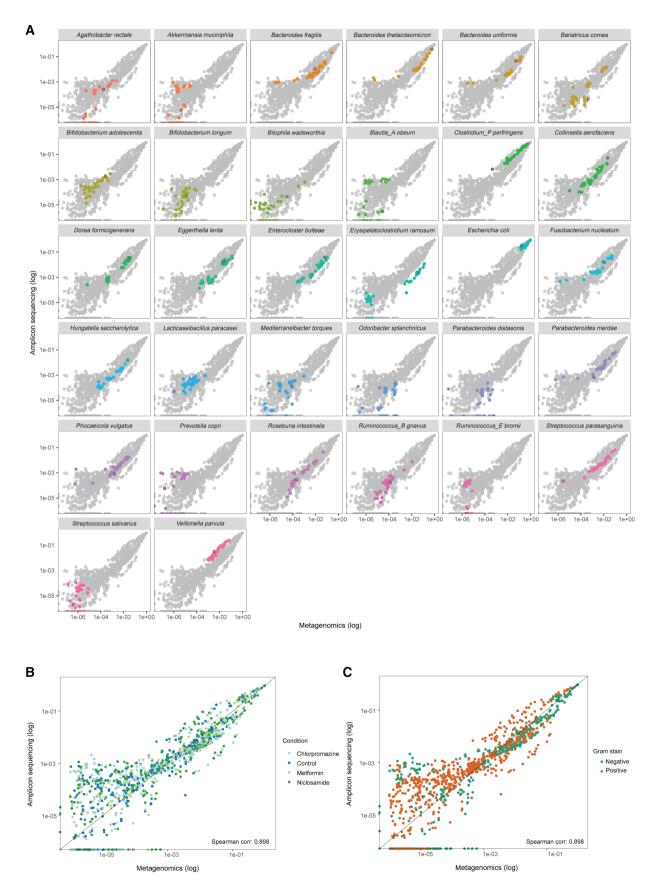


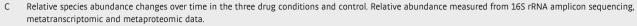
Figure EV2.

EV3

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Figure EV3. Chlorpromazine strongly affects community composition.





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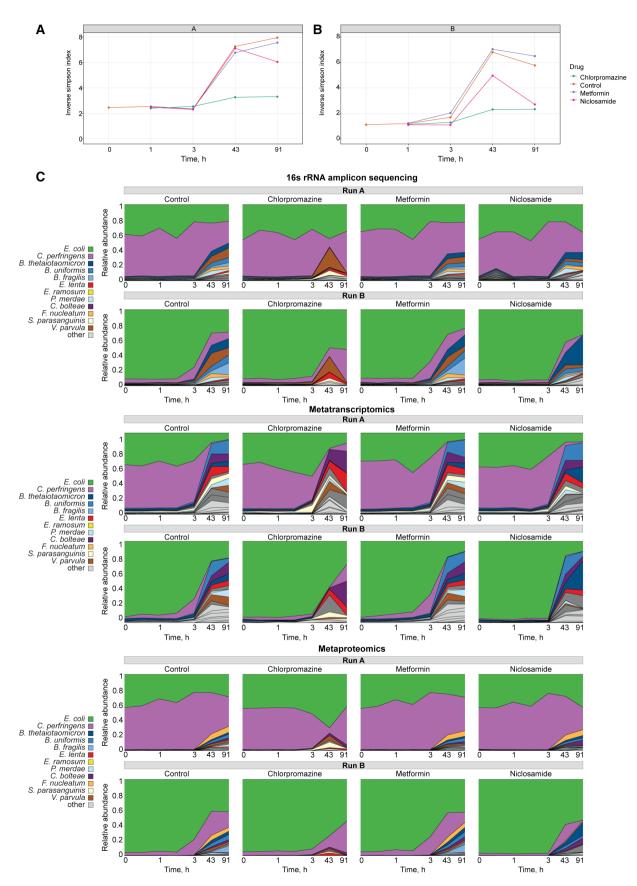


Figure EV3.

EV5

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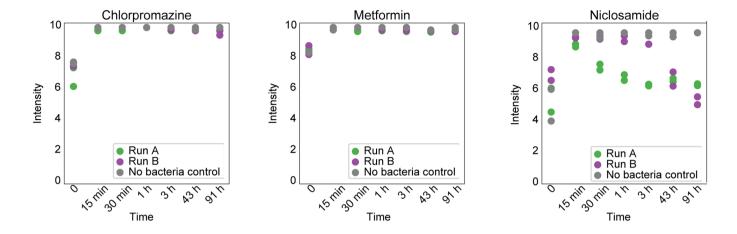


Figure EV4. Drug profiles measured over time.

Drug concentrations were measured both during the community experiments and in controls in sterile medium.

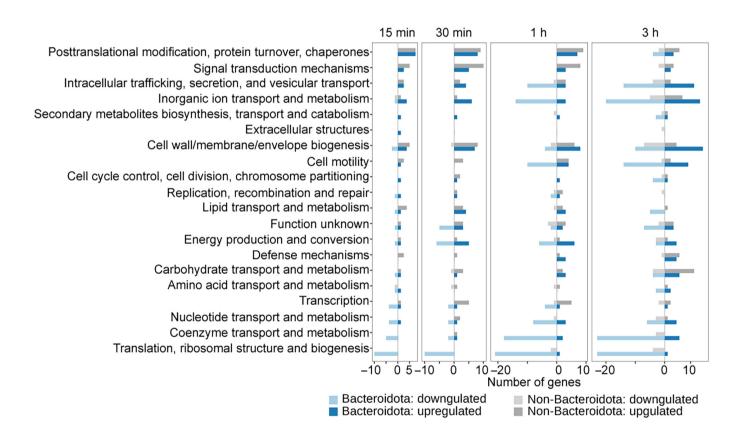


Figure EV5. Number of protein-coding genes grouped by COG category changing per time point upon chlorpromazine treatment.

Bacteroidota species quickly downregulated genes involved in translation and the ribosome compared to other species.