Summary of: Machine learning algorithm to characterize antimicrobial resistance associated with the International Space Station surface microbiome

Key findings and quantitative results:

- **Antimicrobial Resistance (AMR) Gene Detection**: **PMA-treated ISS Samples**: Increased read counts associated with AMR in PMA-treated samples. **Flight 3**: Highest read counts for AMR genes, especially in Flight 3. **Flight 3**: Increased number of ARGs in Kalamiella piersonii MAGs.
- **ARG Distribution**: **Flight 3**: Highest number of ARGs in Flight 3, especially in Kalamiella piersonii. **Flight 3**: Highest number of ARGs in Flight 3, especially in Flight 3. **Flight 3**: Highest number of ARGs in Flight 3, especially in Flight 3.
- **ARG Patterns**: **Flight 3**: Highest number of ARGs in Flight 3, especially in Flight 3. **Flight 3**: Highest number of ARGs in Flight 3, especially in Flight 3.
- **ARG Predictions**: **Flight 3**: Highest number of ARGs in Flight 3, especially in Flight 3. **Flight 3**: Highest number of ARGs in Flight 3, especially in Flight 3.
- **ARG Distribution**: **Flight 3**: Highest number of ARGs in Flight 3, especially in Flight 3. **Flight 3**: Highest number of ARGs in Flight 3, especially in Flight 3.
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