

Impact of Antibacterial Detergent on Used-Towel Microbiomes at Species-level and its Effect on Malodor Control.

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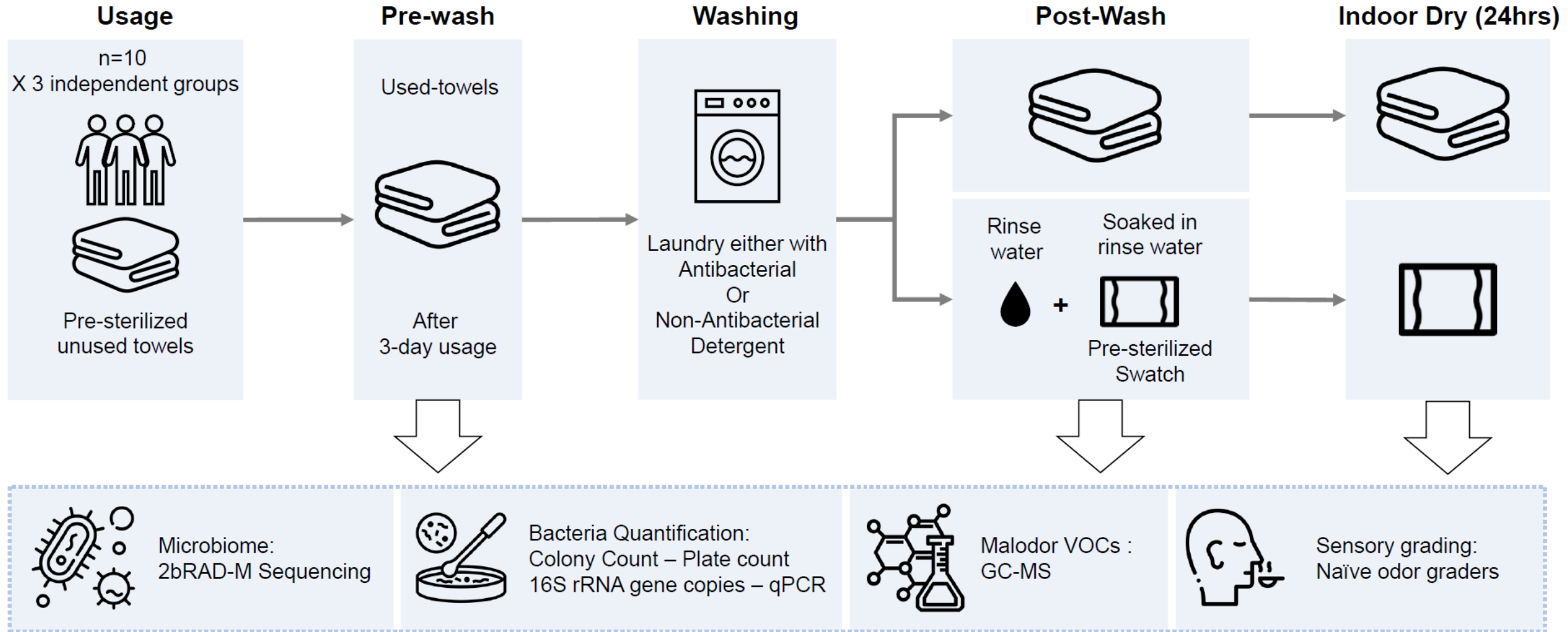


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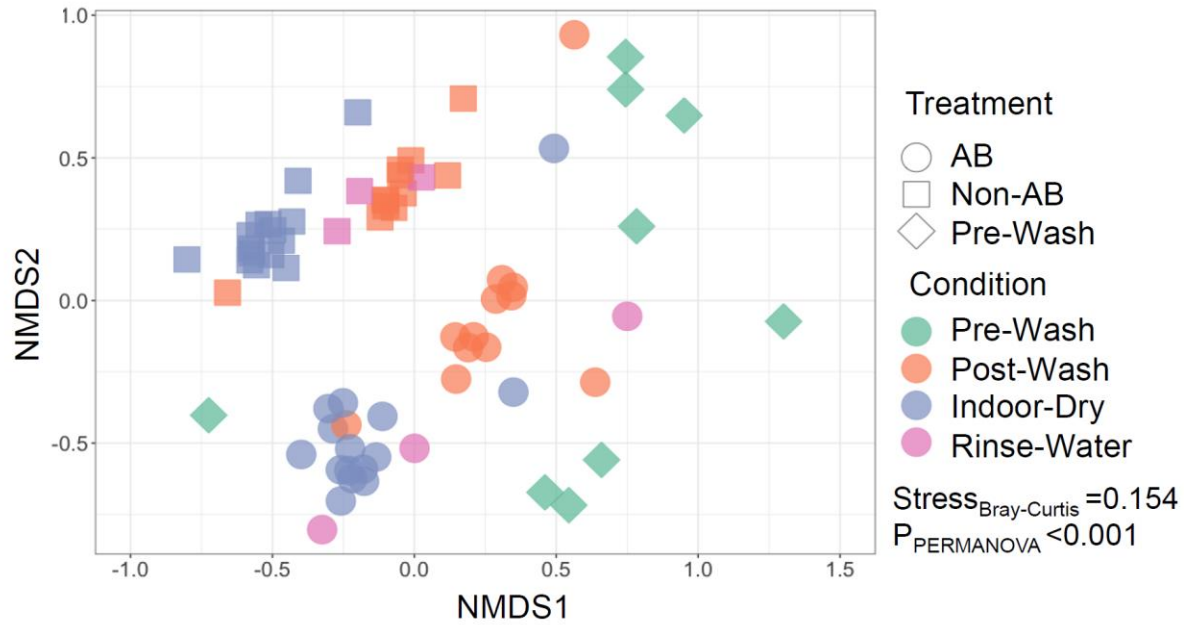
Introduction



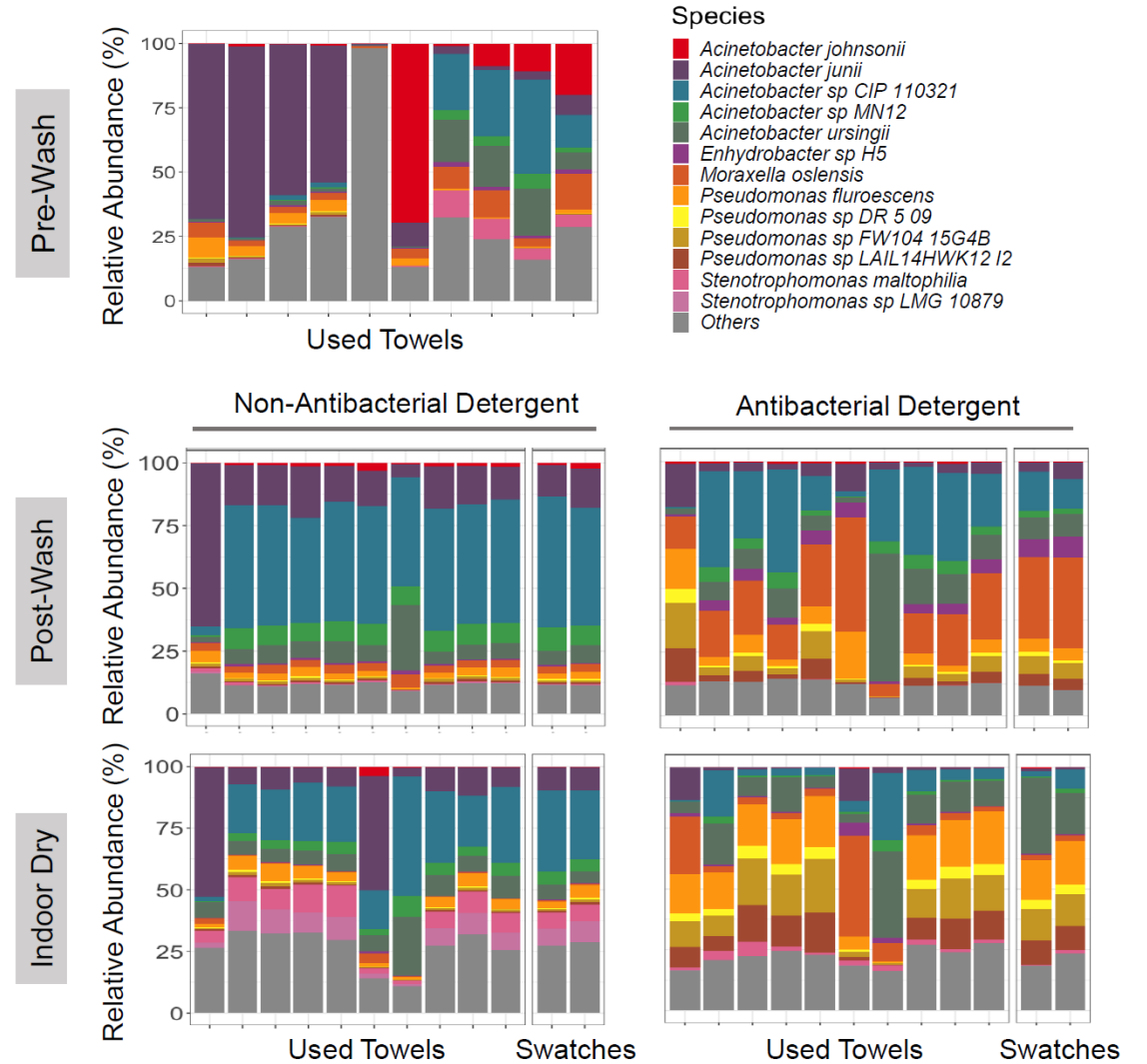
Study Design



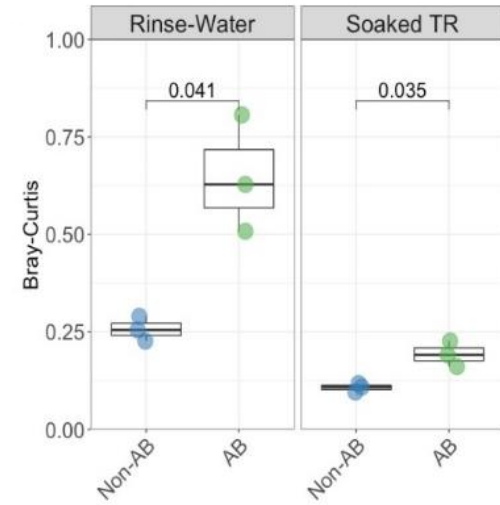
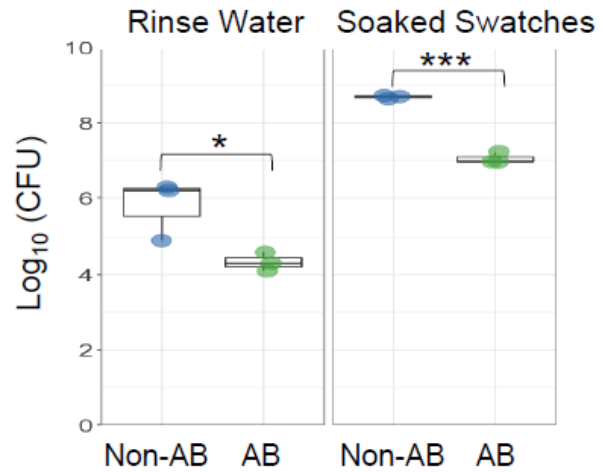
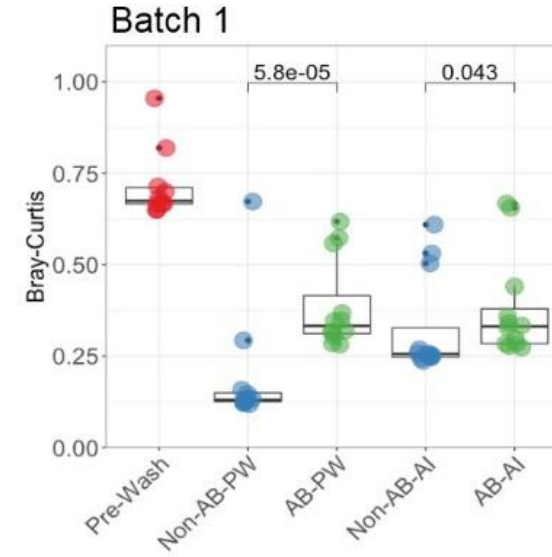
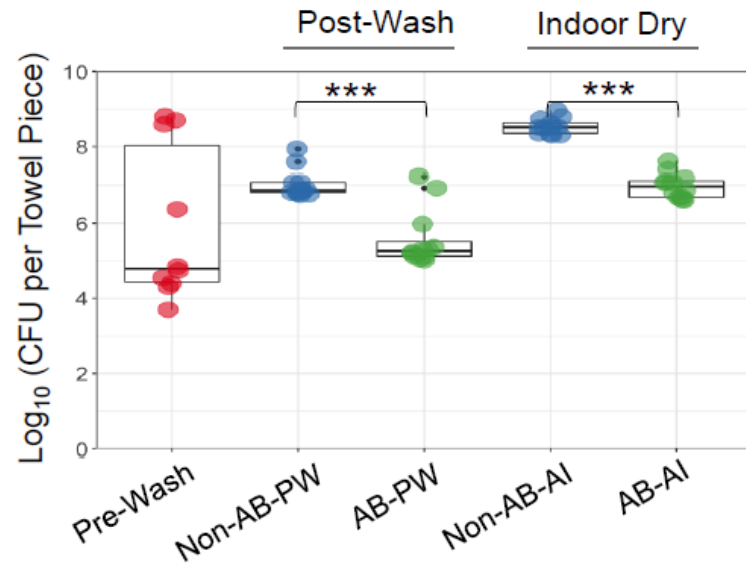
Microbial Exchanges During Laundry



Microbial transmission among towels during laundry resulted in microbiome homogenization



Microbial Exchanges Among towels attenuated by Antibacterial Detergent



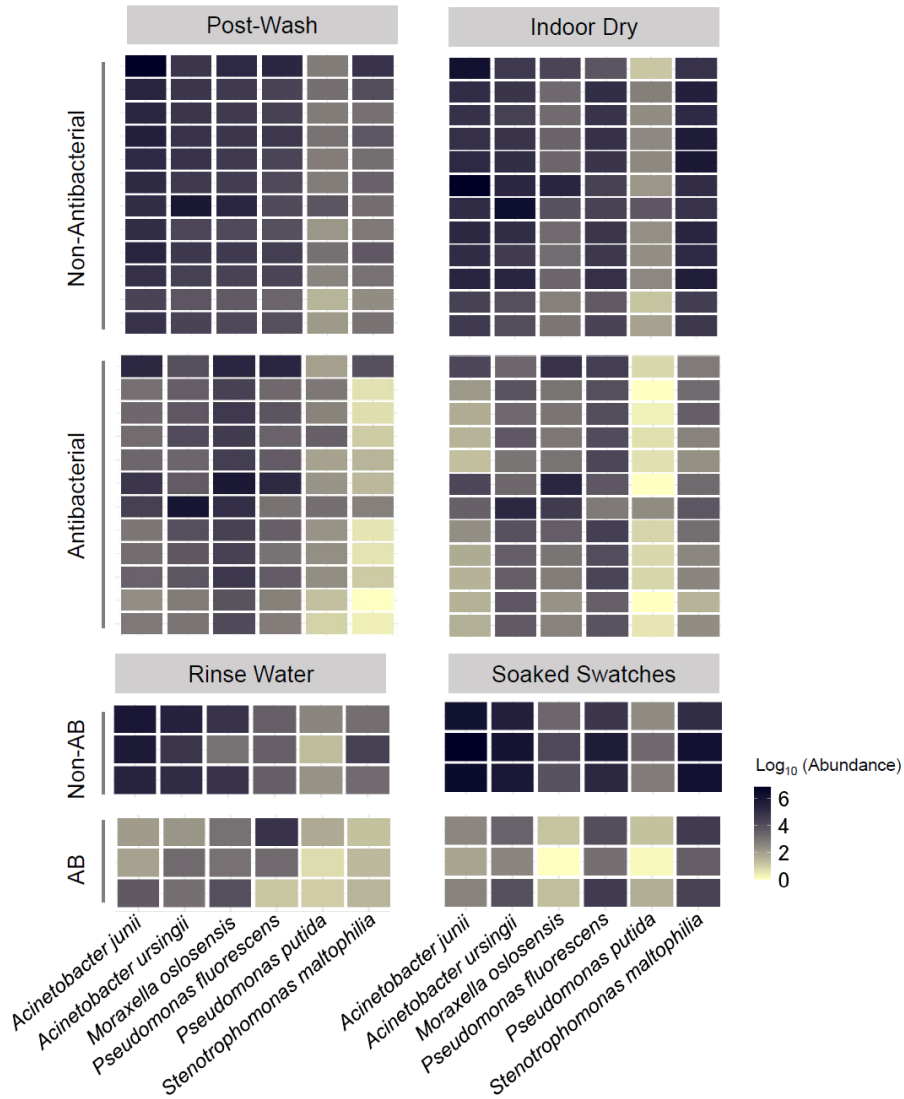
AB: Antibacterial
PW: Post-Washed
AI: After Indoor dry



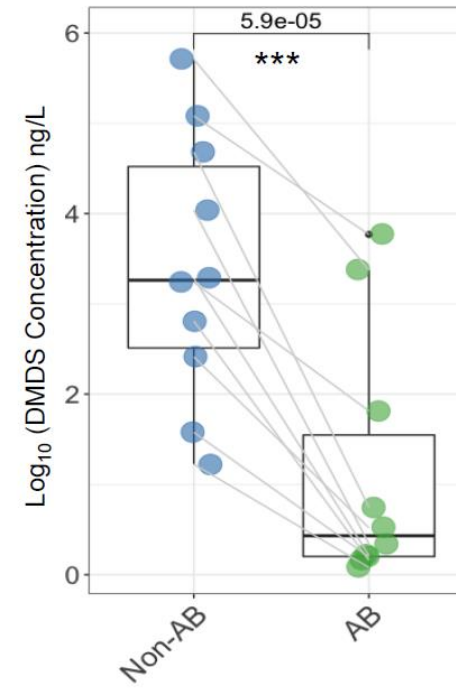
Microbial load was reduced significantly in those towels washed with the antibacterial detergent.

Microbiomes among towels washed with the antibacterial detergent displayed greater dissimilarity

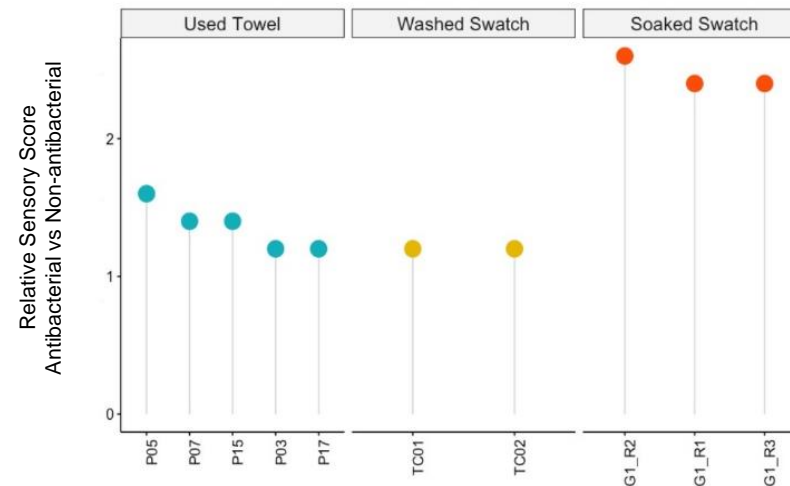
Antibacterial detergent reduced malodor-generating organisms and led to noticeable sensory effects



Malodor-generating bacteria reduction with AB detergent



Indoor Dried towels:
Reduction of dimethyl disulfide production with AB detergent.

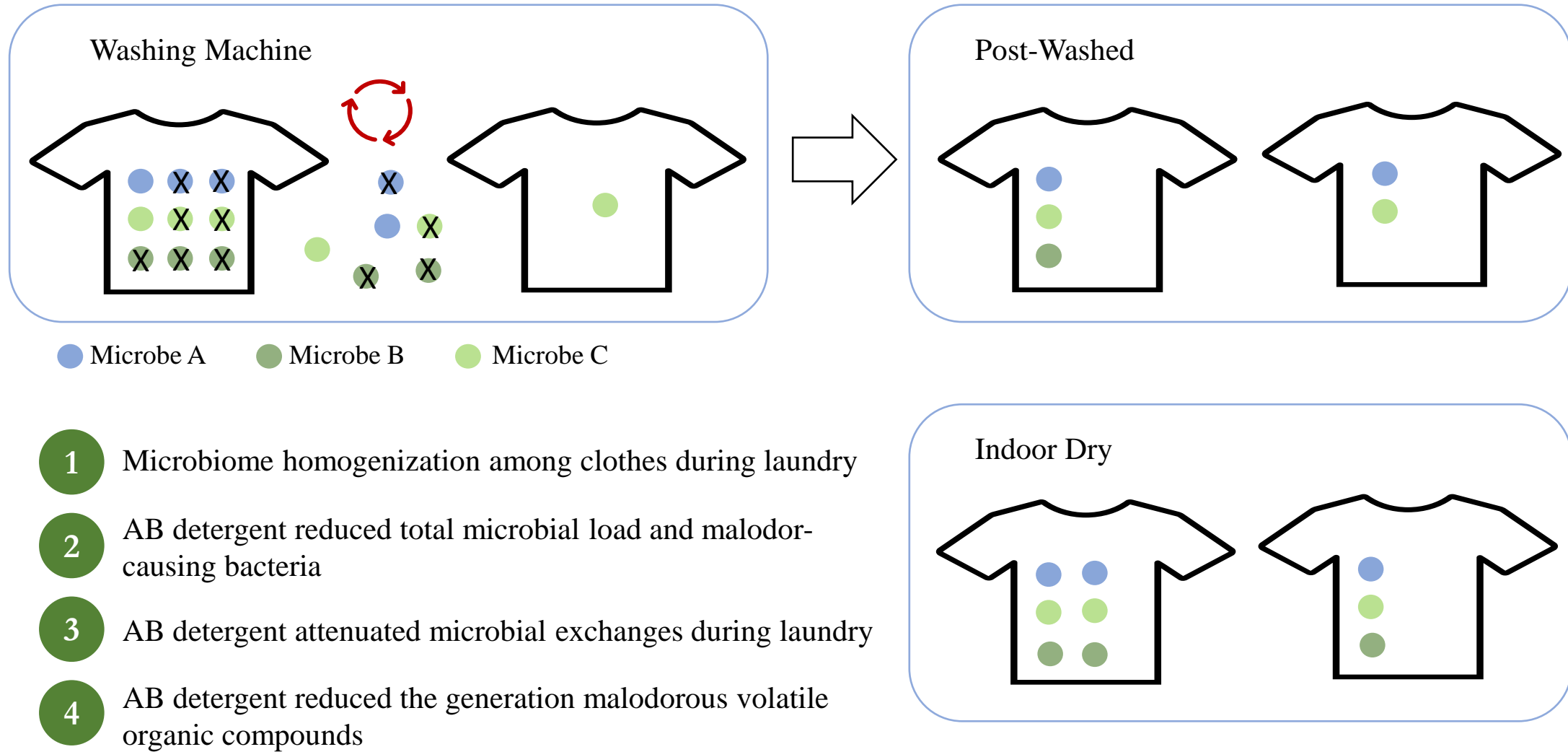


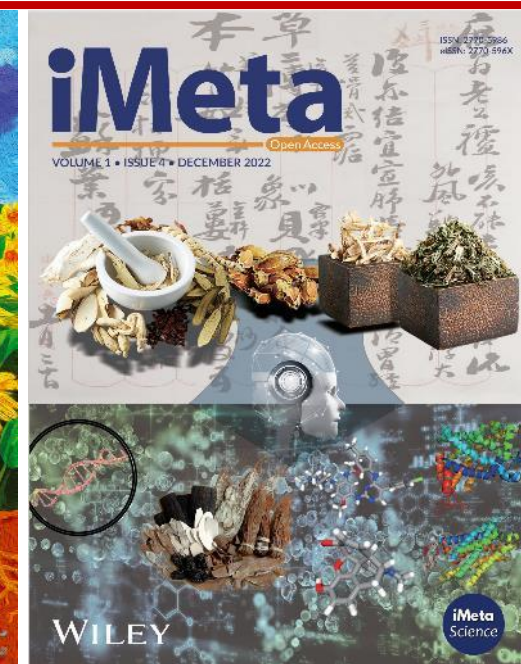
Grader perceived AB washed towels to be more sensorially pleasing.



Summary

Laundry with Antibacterial Detergent





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