

1 **Supplementary Table S1. Human diseases associated with bacterial species identified in tattoo and pmu inks**

Bacterial name	Disease
<i>Pseudomonas putida</i>	Bacteremia/Sepsis ¹ , UTIs ² , Endocarditis ³ , Bone/joint infections/Osteomyelitis ⁴ , Pneumonia/Respiratory tract infections ⁵ , Central nervous system infections/Meningitis ⁶ , SSTIs ⁷ , Ocular infections/Endophthalmitis ⁸
<i>Aerococcus viridans</i>	Bacteremia/Sepsis ⁹ , UTIs ¹⁰ , Endocarditis ¹¹ , Central nervous system infections/Meningitis ¹² , Septic arthritis ¹³ , Cutaneous vasculitis ¹⁴ , Pneumonia/Respiratory tract infections ¹⁵
<i>Alcaligenes faecalis</i>	Bacteremia/Sepsis ¹⁶ , Central nervous system infections/Meningitis ¹⁷ , UTIs ¹⁶ , Pneumonia/Respiratory tract infections ¹⁸ , SSTIs ¹⁶ , Otitis media ¹⁹ , Peritonitis ²⁰ , Endocarditis ²¹ , Bone/joint infections/Osteomyelitis ²²
<i>Alloiooccus otitis</i>	Otitis media ²³ , Sinusitis ²⁴ , bacteremia ²⁵ , Endophthalmitis ²⁶ , Purulent pericarditis ²⁷ , Endocarditis ²⁸
<i>Bacillus cereus</i>	Emetic syndrome ²⁹ , Diarrheal syndrome ³⁰ , Ocular infections/Endophthalmitis ³¹ , Bacteremia/Sepsis ³¹ , Pneumonia/Respiratory tract infections ³¹ , Central nervous system infections ³¹ , SSTIs ³¹ , Endocarditis ³¹
<i>Bacillus circulans</i>	Bacteremia/Sepsis ³² , Endocarditis ³³ , Ocular infections/Endophthalmitis ³⁴ , Central nervous system infections/Meningitis ³² , Bone/joint infections/Osteomyelitis ³² , Wound infections/Cellulitis/Abscesses ³² , Peritonitis ³²
<i>Bacillus licheniformis</i>	Food poisoning/Gastroenteritis ³⁵ , Bacteremia/Sepsis ³⁶ , Endocarditis ³⁷ , SSTIs ³⁸ , Peritonitis ³⁹
<i>Bacillus pumilus</i>	Food poisoning/Gastroenteritis ⁴⁰ , Bacteremia/Sepsis ⁴¹ , SSTIs ⁴¹ , Endocarditis ⁴¹
<i>Bacillus subtilis</i>	Bacteremia/Sepsis ⁴² , Central nervous system infections/Meningitis ⁴³ , Pneumonia/Respiratory tract infections ⁴⁴
<i>Bacillus thuringiensis</i>	Bacteremia/Sepsis ⁴⁵
<i>Brachybacterium paraconglomeratum</i>	Ocular infections/Endophthalmitis ⁴⁶
<i>Brevibacillus agri</i>	UTIs ⁴⁷
<i>Brevibacillus brevis</i>	Bacteremia/Sepsis ⁴⁸ , Central nervous system infections/Meningitis ⁴⁸ , Peritonitis ⁴⁹
<i>Corynebacterium tuberculoostearicum</i>	SSTIs ⁵⁰ , UTIs ⁵¹
<i>Cutibacterium acnes</i>	Acne Vulgaris ⁵² , Bone/joint infections ⁵³
<i>Dermacoccus barathri</i>	Bacteremia/Sepsis ⁵⁴
<i>Kocuria marina</i>	Peritonitis ⁵⁵ , Bacteremia/Sepsis ⁵⁶
<i>Kocuria rhizophila</i>	Peritonitis ⁵⁷ , Bacteremia/Sepsis ⁵⁸
<i>Kocuria rosea</i>	Bacteremia/Sepsis ⁵⁹ , Endocarditis ⁶⁰
<i>Lysinibacillus fusiformis</i>	Bacteremia/Sepsis ⁶¹
<i>Lysinibacillus sphaericus</i>	Bacteremia/Sepsis ⁶¹ , Endocarditis ⁶² , Peritonitis ⁶³
<i>Micrococcus luteus</i>	Bacteremia/Sepsis ⁶⁴ , Endocarditis ⁶⁵ , Central nervous system infections/Meningitis ⁶⁶ , Peritonitis ⁶⁷ , Pneumonia/Respiratory tract infections ⁶⁸ , Ocular infections/Endophthalmitis ⁶⁹
<i>Nocardiosis dassonvillei</i>	SSTIs ⁷⁰ , Pulmonary infections ⁷¹ , Bacteremia/Sepsis ⁷² , Mycetoma ⁷³ , Nasal vestibulitis ⁷⁴
<i>Oligella ureolytica</i>	UTIs ⁷⁵ , Bacteremia/Sepsis ⁷⁵ , Pneumonia/Respiratory tract infections ⁷⁵
<i>Paenibacillus cineris</i>	Pneumonia/Respiratory tract infections ⁷⁶ , Bacteremia/Sepsis ⁷⁷
<i>Paenibacillus glucanolyticus</i>	Endocarditis ⁷⁸

<i>Providencia rettgeri</i>	UTIs ⁷⁹ , Bacteremia/Sepsis ⁸⁰ , SSTIs ⁸¹ , Pneumonia/Respiratory tract infections ⁸² , Ocular infections/Endophthalmitis ⁸³ , Diarrheal syndrome ⁸⁴
<i>Pseudomonas aeruginosa</i>	Pneumonia/Respiratory tract infections ⁸⁵ , Bacteremia/Sepsis ⁸⁶ , UTIs ⁸⁵ , SSTIs ⁸⁵ , Ocular infections/Endophthalmitis ⁸⁵
<i>Roseomonas mucosa</i>	Bacteremia/Sepsis ⁸⁷ , Peritonitis ⁸⁸ , SSTIs ⁸⁹ , Wound infections/Cellulitis/Abscesses ⁸⁹ , Endocarditis ⁹⁰ , Central nervous system infections ⁹¹ , UTIs ⁹²
<i>Staphylococcus epidermidis</i>	TSS ⁹³ , Ocular infections/Endophthalmitis ⁹⁴
<i>Staphylococcus saprophyticus</i>	UTIs ⁹⁵ , Bacteremia/Sepsis ⁹⁶ , Endocarditis ⁹⁷
<i>Staphylococcus warneri</i>	Bacteremia/Sepsis ⁹⁸ , Endocarditis ⁹⁹ , Central nervous system infections/Meningitis ¹⁰⁰ , Bone/joint infections/Osteomyelitis ¹⁰¹ , UTIs ¹⁰² , SSTIs ¹⁰³
<i>Staphylococcus xylosus</i>	Bacteremia/Sepsis ¹⁰⁴ , Endocarditis ¹⁰⁵ , Bone/joint infections/Osteomyelitis ¹⁰⁶
<i>Stenotrophomonas maltophilia</i>	Bacteremia/Sepsis ¹⁰⁷ , Pneumonia/Respiratory tract infections ¹⁰⁸ , Endocarditis ¹⁰⁹ , Meningitis ¹¹⁰ , Peritonitis ¹¹¹

2 Abbreviations: UTIs, urinary tract infections; SSTIs, skin and soft tissue infections; TSS, toxic shock syndrome

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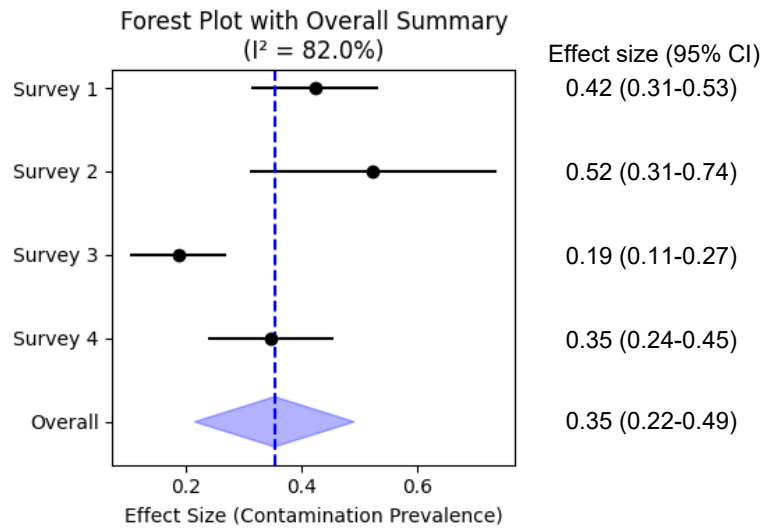
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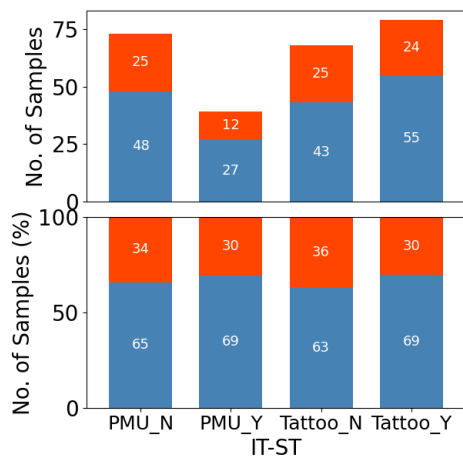
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Supplementary Fig. S1

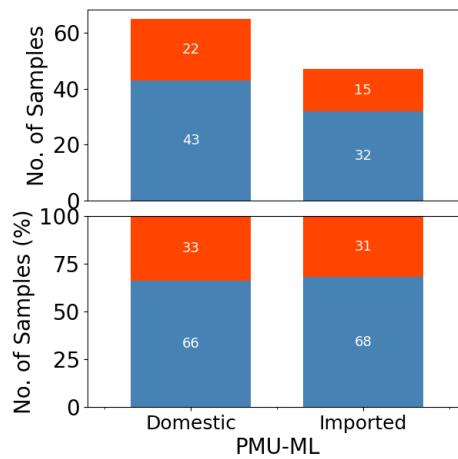


Supplementary Fig. S2

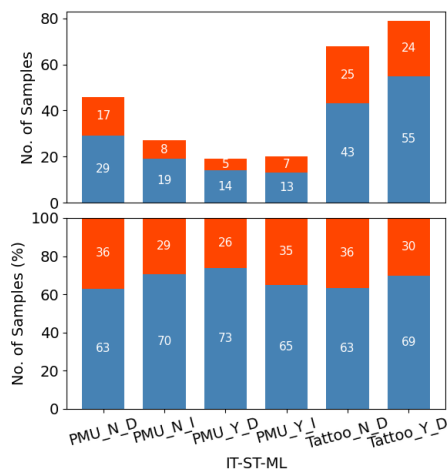
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B

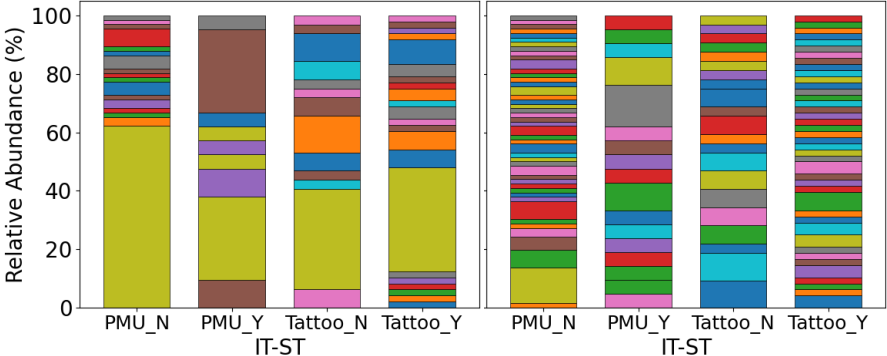


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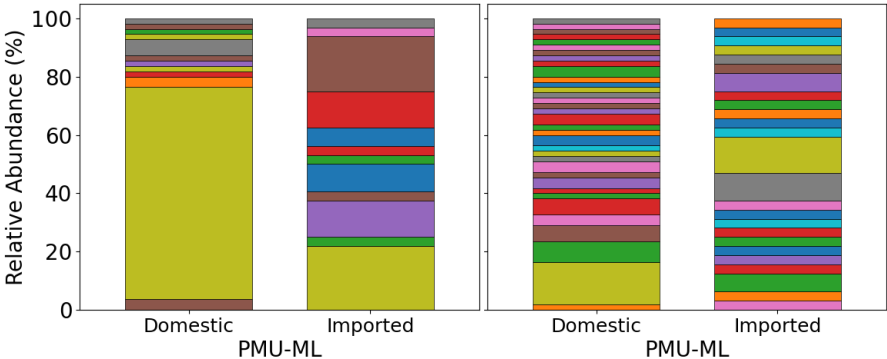


Supplementary Fig. S3

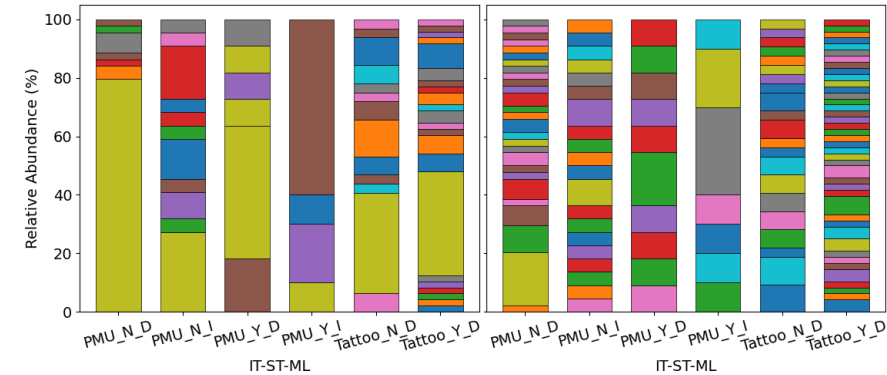
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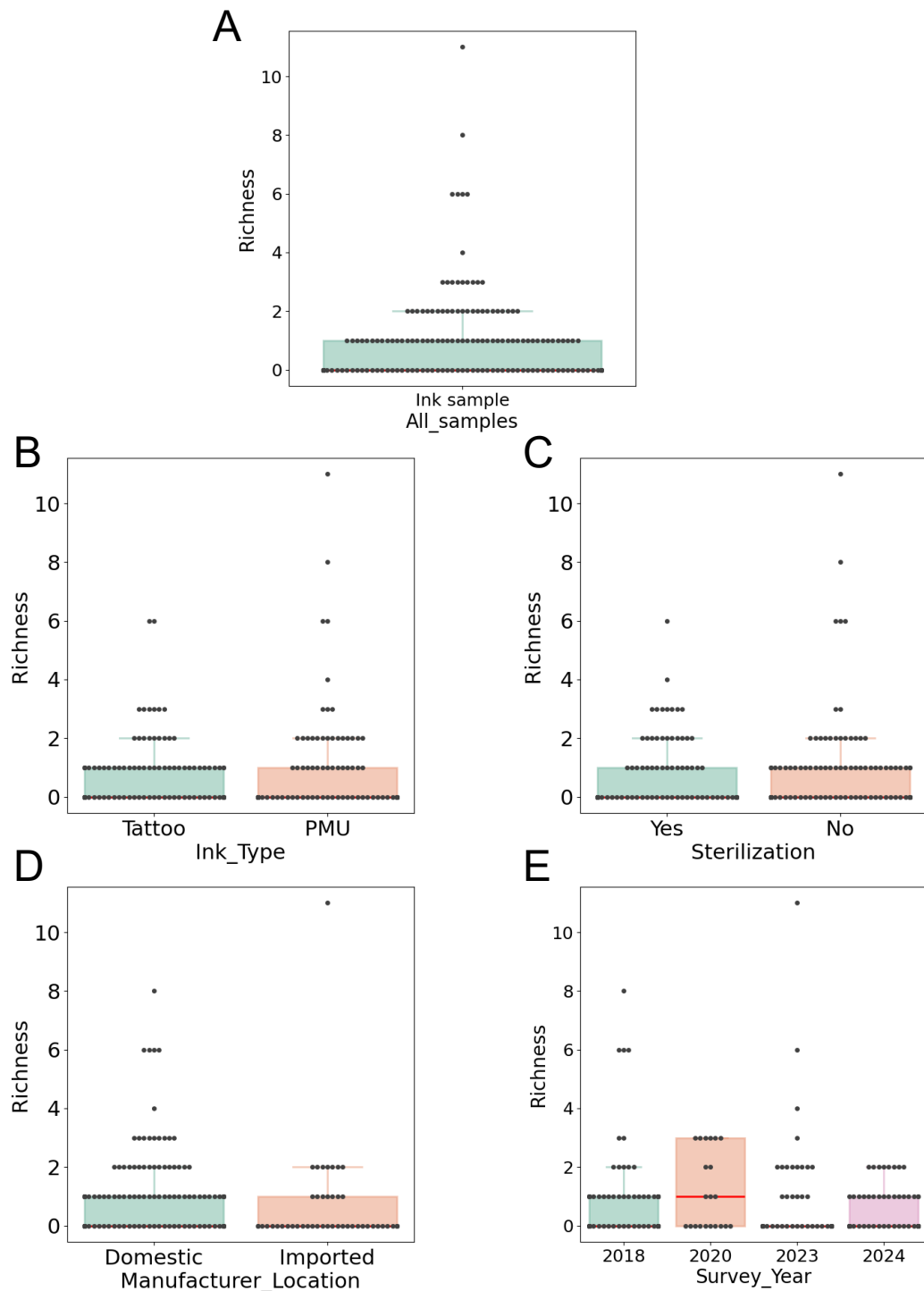
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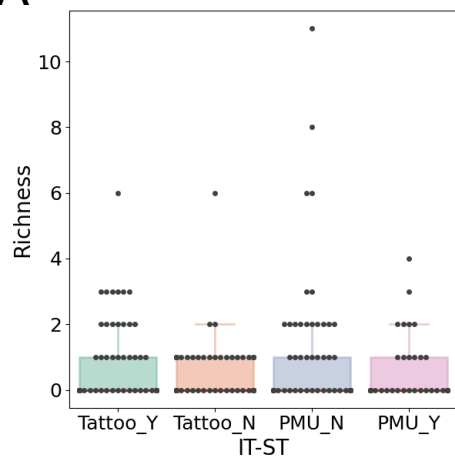


Supplementary Fig. S4

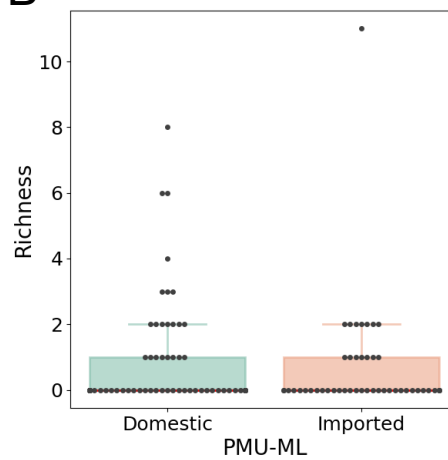


Supplementary Fig. S5

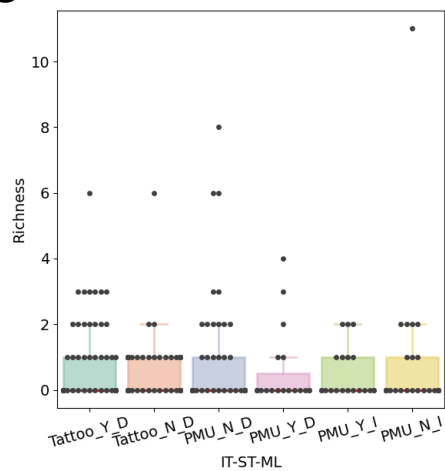
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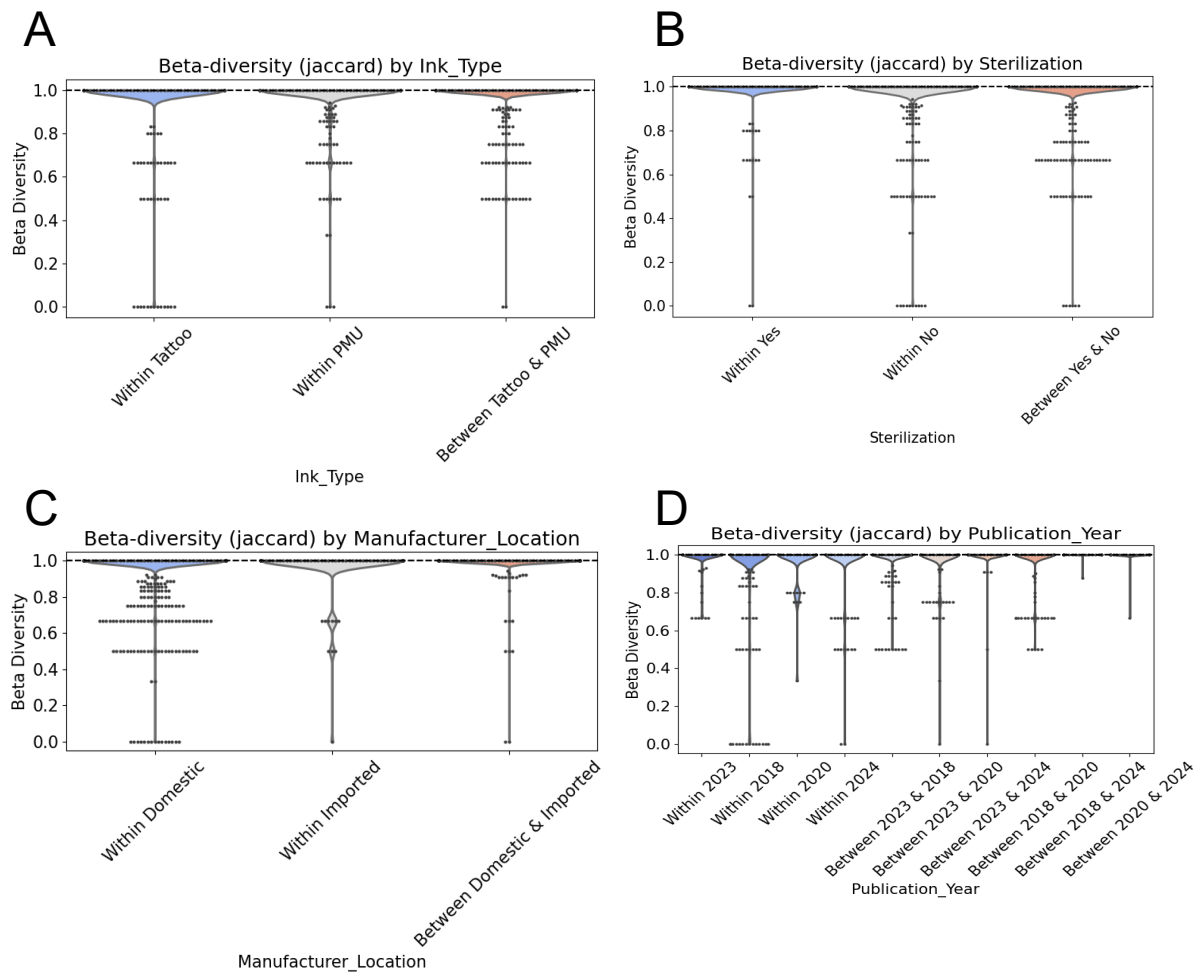
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Supplementary Fig. S6



Supplementary Fig. S7

