Title: "METAGENOMIC ANALYSIS OF THE SKIN MICROBIOTA OF BRAZILIAN WOMEN: HOW TO DEVELOP ANTI-AGING COSMETICS BASED ON THIS KNOWLEDGE?"

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Table S1: Abundance table of all taxons found in the study

Taxonomy	Total numbers	Main groups	Relative abundance
Kingdom	2	• Bacteria • Archaea	• >99% • <1%
Phylum	20	• Actinobacteria • Firmicutes • Proteobacteria • Bacteroidetes • Others	• 83% • 9% • 7% • 1% • <1%
Class	43	• Actinobacteria • Alfaproteobacteria • Betaproteobacteria • Gammaproteobacteria • Bacilli • Others	• 83% • 3% • 2% • 3% • 9% • <1%

Order	90	• Corynebacteriales • Propionibacteriales • Micrococcales • Rhodobacteriales • Neisseriales • Pseudonomadales • Bacillales • Lactobacillalles • Xanthomonadales • Rhizobiales • Pasteurellales	• 2% • 76% • 3% • 1% • 2% • 2% • 9% • 3% • 1% • 1% • 1%
Family	169	• Corynebacteriaceae • Propionibacteriaceae • Instrasporangiaceae • Micrococcaceae • Rhodobacteraceae • Xanthomonadaceae • Moraxellaceae • Neisseriaceae • Pasteurellaceae • Streptococcaceae • Staphylococcaceae • Lactobacillaceae • Others	• 3% • 76% • 1% • 2% • 1% • 1% • 1% • 1% • 1% • 2% • 5% • 1% • 5%
Genus	407	• *Corynebacterium* • *Propionibacterium* • *Staphylococcus* • *Streptococcus* • *Micrococcus* • Others	• 4% • 84% • 8% • 2% • 2% • <1%
Species	395	• *P. acnes* • *P. acnes-humerusii* • *S. capitis-caprae-epidermides* • *M. aloeverae* • *C. kroppestendtii* • *Others*	• 76% • 2% • 4% • 1% • 1% • 16%

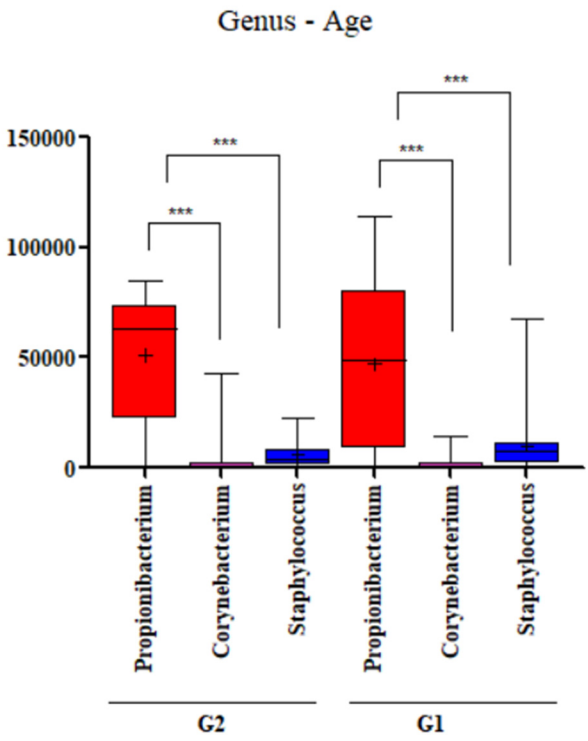


Figure S1. Statistical analysis comparing the abundance of *Propionibacterium* with *Staphylococcus* and *Corynebacterium*. ***p>0.001

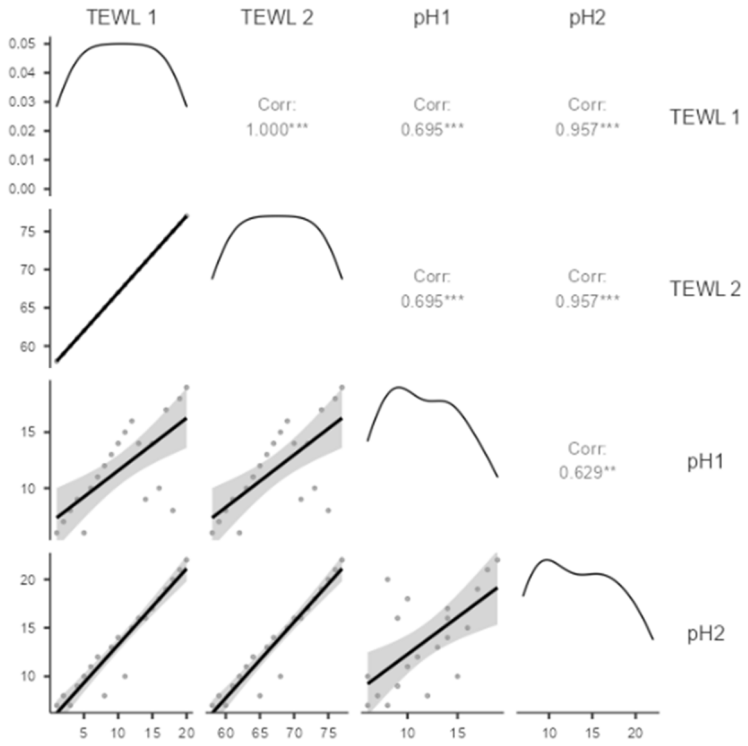


Figure S2. Pearson correlation between transepidermal water loss (TEWL) and pH in group 1 and 2.

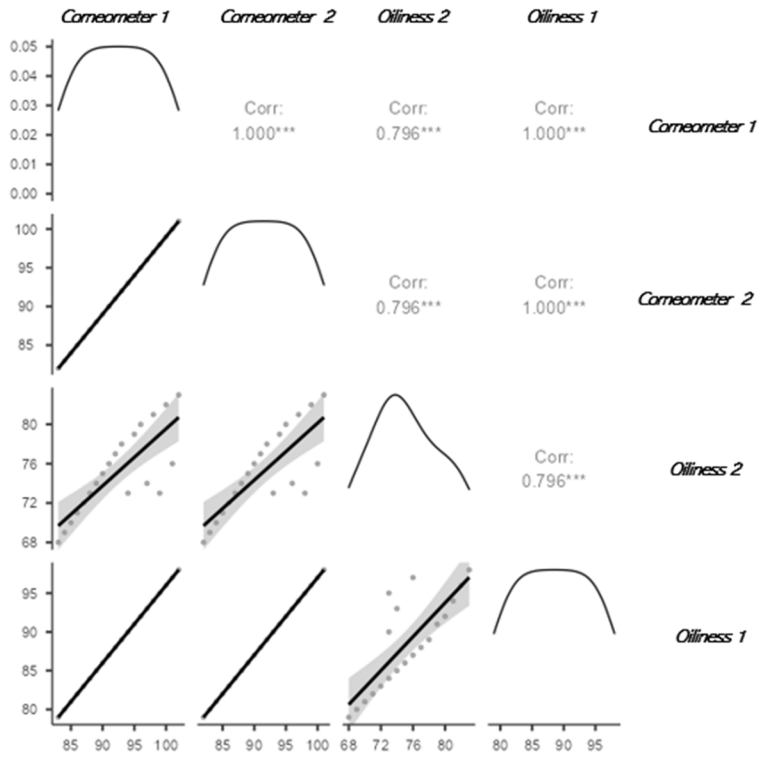


Figure S3. Pearson correlation between Corneometer parameter (Skin hydration) and Oiliness in group 1 and 2.

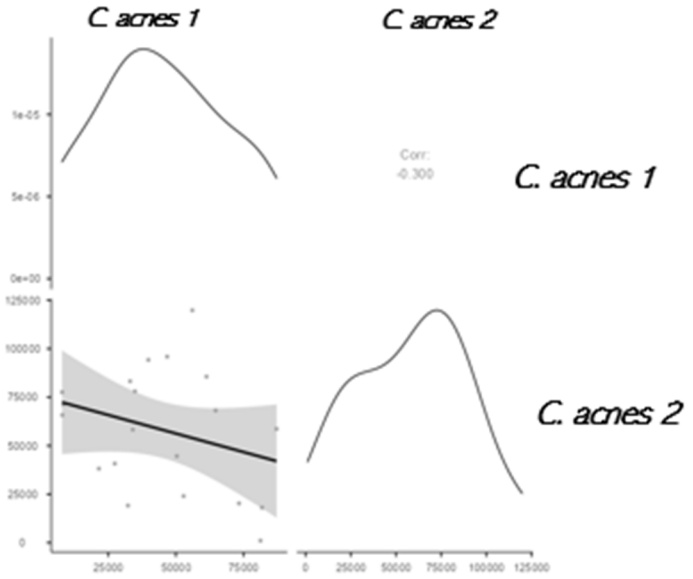


Figure S4. Pearson correlation on the abundance of *C. acnes* in groups G1 and G2

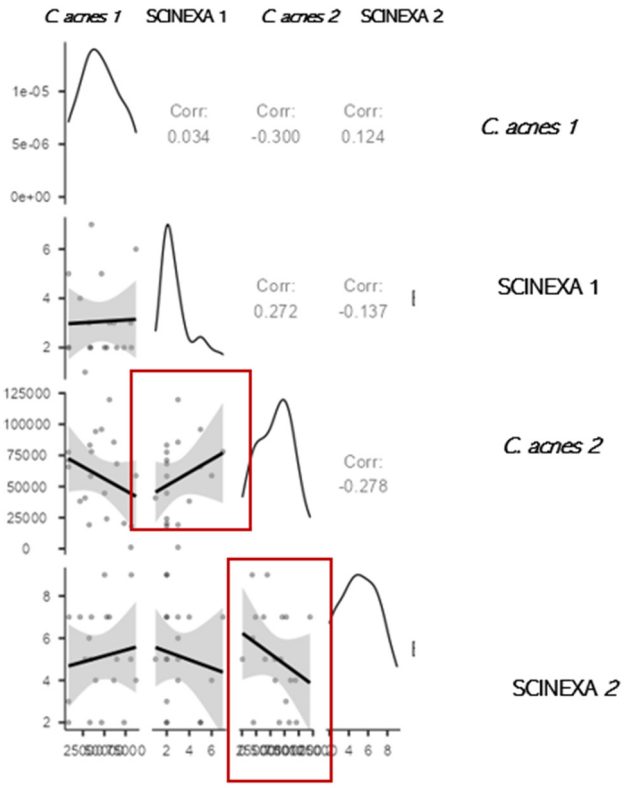


Figure S5. Pearson correlation between *C. acnes* and Score of Intrinsic and Extrinsic Skin Aging (SCINEXA) scale in group 1 and 2.