

Data Dictionary

Field Name	Field Definition
Exposure	Mice were exposed to acetone (vehicle) or triclosan (0.5%, 2%) for up to 7 consecutive days
Vehicle	Group of mice exposed to vehicle acetone
0.5% Triclosan	Group of mice exposed to 0.5% triclosan
2% Triclosan	Group of mice exposed to 2% triclosan
Naïve	Group of mice that were not exposed
Day	Day during the 7-day exposure period (day 0-7) or one-week following the final exposure (day 13)
Endpoint	TEWL, Epidermal Thickness, Area, Distribution, Gene, gene names, Shannon Index, bacterial families, or total protein
TEWL	Transepidermal water loss (TEWL) is a measurement of skin barrier integrity, g/m ² h
Epidermal Thickness	The thickness of the epidermis (µm), measured from H&E stained slides

Dermal infiltration score, Epidermal hyperkeratosis score, Epidermal hyperplasia score	Histopathology grades were assigned as grade 1 (minimal), grade 2 (mild), grade 3 (moderate), grade 4 (marked), or grade 5 (severe), score of 0 indicates no assignment given
Value	The output value of the endpoint
Area	The area under the curve (arbitrary units) of protein of interest (filaggrin, filaggrin 2, keratin 10, keratin 14) normalized to total protein as measured by ProteinSimple immunoassay, blank cells indicate no value detected
Distribution	The distribution (μm) of the protein of interest in the epidermis (filaggrin, filaggrin 2, keratin 10, keratin 14), blank cells indicate no sample available due to loss of intact tissue section during processing
Gene	The fold change in gene expression compared to vehicle control for gene of interest (filaggrin, filaggrin 2, keratin 10, keratin 14)
S100a8, Tslp, Cdh1, Tlr4, Il4, Il22	The names of immune related genes evaluated for

	fold change in gene expression compared to vehicle control
Ivl, Lor, Tjp1, Ocel1, Itgbl1	The names of additional skin barrier genes evaluated for fold change in gene expression compared to vehicle control
Shannon Index	Measurement of alpha diversity, the microbial diversity within each sample
Bacteroidetes_Bacteroidia_Bacteroidales_Muribaculaceae Bacteroidetes_Bacteroidia_Bacteroidales_Rikenellaceae Bacteroidetes_Bacteroidia_Bacteroidales_Tannerellaceae Other_Cyanobacteria Other_Deferribacteres Firmicutes_Bacilli_Bacillales_Bacillaceae Firmicutes_Bacilli_Bacillales_Staphylococcaceae Firmicutes_Bacilli_Lactobacillales_Enterococcaceae Firmicutes_Bacilli_Lactobacillales_Lactobacillaceae Firmicutes_Clostridia_Clostridiales_Clostridiales vadinBB60 group Firmicutes_Clostridia_Clostridiales_Lachnospiraceae Firmicutes_Clostridia_Clostridiales_Ruminococcaceae Firmicutes_Clostridia_Clostridiales_Clostridiaceae 1 Tenericutes_Mollicutes_Anaeroplasmatales_Anaeroplasmataceae Proteobacteria_Alphaproteobacteria Proteobacteria_Gammaproteobacteria_Enterobacteriaceae Proteobacteria_Gammaproteobacteria_Other Unassigned Other_Other	Relative abundance (%) of bacteria on the skin or in the gut, 0 indicates 0% relative abundance (none detected)
TP FLG	Total protein (TP) run alongside filaggrin (FLG) for ProteinSimple immunoassay, total area under the curves (arbitrary units)
TP FLG2	Total protein (TP) run alongside filaggrin 2 (FLG2) for

	ProteinSimple immunoassay, total area under the curves (arbitrary units)
TP KRT10	Total protein (TP) run alongside keratin 10 (KRT10) for ProteinSimple immunoassay, total area under the curves (arbitrary units)
TP KRT14	Total protein (TP) run alongside keratin 14 (KRT14) for ProteinSimple immunoassay, total area under the curves (arbitrary units)