

Online Supplemental File 3

Data Extraction Form

I. Basic information of included studies

Authors: _____

Publication year: _____

Journal: _____

Title: _____

Region: _____

Aims: _____

Study design: Randomized interventional study

Non-randomized interventional study

Single-arm interventional study

Inclusion criteria for patients: _____

Exclusion criteria for patients: _____

Sample size: _____

II. Characteristics of enrolled patients

Age: mean \pm SD _____

median (IQR) _____

Sex: _____ (male : female)

Race: _____

Evaluation score: IGA _____

SCORAD _____

EASI _____

Other score _____

Comorbidities: _____

III. Interventions and comparisons

Treatment for AD: Topical therapy _____
 Phototherapy _____
 Systemic treatment _____

Period of treatment: _____

Follow-up time: _____

Comparison of skin microbiota:

Before v.s. after treatment _____
 Treatment v.s. placebo _____
 Comparison between different types of treatment _____

IV. Outcomes

Skin microbiota sample collection method: _____

Evaluation method of skin microbiota:

16S rRNA gene sequencing _____
 Metagenomic sequencing _____
 Viral sequencing _____

Indexes used for alpha diversity:

Shannon Chao 1 Observed species
 Simpson Pielou evenness Sobs index
 Other _____

Major findings about alpha diversity:

Method used for beta diversity: _____

Major findings about beta diversity:

Major findings about differential microbes:

Phylum _____
 Class _____

Order _____

Family _____

Genus _____

Species _____

Method used for microbiota function:

PICRUSt PICRUSt2 Tax4Fun

Other _____

Major findings about microbiota functions:

Major findings about microbial interactions:

V. Information of data extraction

Reviewer name: _____

Date of data extraction: _____