

Supplemental material

Table S1. Identified metabolites in volar skin and non-volar skin based on their chemical structures.

Identified metabolites		
Amines (10)		
adenosine	inosine	uracil
ethanolamine	spermidine	hypoxanthine
guanosine	thymine	ornithine
xanthine		
Amino acids (24)		
2-ketoisocaproic acid	glutamate	N-methylalanine
alanine	glycine	oxoproline
asparagine	isoleucine	phenylalanine
aspartic acid	L-cysteine	proline
β -alanine	leucine	serine
citrulline	lysine	threonine
cyano-L-alanine	methionine	tyrosine
3-aminoisobutyric acid	N-carbamoylaspartate	valine
Sugars and sugar alcohols (18)		
1,5-anhydroglucitol	fuculose	maltotriose
glycerol	fructose	mannose
mannitol	galactose	tagatose
myo-inositol	glucose	threose
threitol	lactose	trehalose
fucose	lactulose	xylose
Organic acids (19)		
salicylic acid	glyceric acid	phosphogluconic acid
β -hydroxybutyric acid	glycolic acid	phthalic acid
citric acid	hexonic acid	α -ketoglutarate
fumarate	lactic acid	pyrrole-2-carboxylic acid
galactonic acid	oxalic acid	pyruvate
galacturonic acid	phenylacetic acid	succinic acid
terephthalate		
Fatty acids (12)		
1-monopalmitin	dodecanoate	lignoceric acid
1-monostearin	heptadecanoic acid	pentadecanoic acid
arachidic acid	nonanoate	palmitate
decanoate	myristic acid	stearic acid

Phosphates (8)

adenosine-5-monophosphate

cytidine-5-monophosphate

fructose-6-phosphate

ribulose-5-phosphate

glycerol-1-phosphate

glucose-6-phosphate

pyrophosphate

phosphate

Others (5)

carnitine

urea

lactobionic acid

nicotinamide

O-phosphorylethanolamine
