

Supplementary Table, S1. Qualitative analysis of metagenomic sequences of probiotic products and associated inconsistencies in labeling:

The presence of bacteria at genus (S1A) and species (S1B) levels are given in table (Green box = bacteria claimed on label and actually present;
Red box= not claimed and present, empty cell = absent)

Bacterial Genus Observed	Product 1			Product 2				Product 3			Product 4		Product 5					
	Declared		Non declared	Declared			Non declared	Declared		Non declared	Declared	Non declared	Declared					Non declared
	Bacillus	Pediococcus		Bacillus	Nitrobacter	Nitrosomonas		Bacillus	Lactobacillus				Alcaligenes	Bacillus	Nitrobacter	Nitrosomonas	Paenibacillus	
Achromobacter																		
Acidovorax																		
Acinetobacter																		
Amaricoccus																		
Anaerotruncus																		
Aquabacterium																		
Arthrosphaera																		
Bacillus																		
Bacteroides																		
Brevibacillus																		
Brevibacterium																		
Brevundimonas																		
Bryobacter																		
Cellulibrio																		
Clostridium																		
Corynebacterium																		
Cupriavidus																		
Deinococcus																		
Devosia																		
Eggerthella																		
Enhydrobacter																		
Enterobacter																		
Enterococcus																		
Escherichia																		
Geodermatophilus																		
Hydrogenoanaerobacterium																		
Hymenobacter																		
Kerstersia																		
Lachnoanaerobaculum																		
Lactobacillus																		
Lactococcus																		
Macellibacteroides																		
Macroccoccus																		
Methylobacterium																		
Nocardia																		
Nocardioideis																		
Ornithinimicrobium																		
Oscillibacter																		
Paracoccus																		
Pediococcus																		
Propionibacterium																		
Providencia																		
Pseudomonas																		
Roseomonas																		
Rothia																		
Sedimentibacter																		
Sphingobacterium																		
Sphingomonas																		
Staphylococcus																		
Stenotrophomonas																		
Streptococcus																		
uncultured																		
Vibrio																		

Table S1A

Bacteria Species Observed	Product 1			Product 2					Product 3					Product 4		Product 5										
	Declared		Non declared	Declared				Non declared	Declared				Non declared	Declared	Non declared	Declared										Non declared
	<i>Bacillus subtilis</i>	<i>Pedococcus acidilactici</i>		<i>Bacillus subtilis</i>	<i>Bacillus licheniformis</i>	<i>Bacillus coagulans</i>	<i>Nitrobacter</i> sp.		<i>Nitrosomonas</i> sp.	<i>Bacillus subtilis</i>	<i>Bacillus licheniformis</i>	<i>Bacillus coagulans</i>		<i>Lactobacillus acidophilus</i>		<i>Bacillus subtilis</i>	<i>Bacillus subtilis</i>	<i>Bacillus amyloliquefaciens</i>	<i>Bacillus licheniformis</i>	<i>Bacillus megaterium</i>	<i>Bacillus pumilus</i>	<i>Paenibacillus polymyxa</i>	<i>Alcaligenes faecalis</i>	<i>Nitrobacter</i> sp.	<i>Nitrosomonas</i> sp.	
<i>Achromobacter xylosoxidans</i>																										
<i>Acinetobacter baumannii</i>																										
<i>Acinetobacter junii</i>																										
<i>Acinetobacter radioresistens</i>																										
<i>Arthrosira platensis</i>																										
<i>Bacillus coagulans</i>																										
<i>Bacillus licheniformis</i>																										
<i>Bacillus pumilus</i>																										
<i>Bacillus subtilis</i>																										
<i>Bacteroides nordii</i>																										
<i>Brevibacterium avium</i>																										
<i>Brevundimonas diminuta</i>																										
<i>Clostridium hungatei</i>																										
<i>Clostridium viride</i>																										
<i>Enterobacter cloacae</i>																										
<i>Enterococcus faecium</i>																										
<i>Escherichia coli</i>																										
<i>Hydrogenoanaerobacterium saccharovorans</i>																										
<i>Nocardia beijingensis</i>																										
<i>Pediococcus acidilactici</i>																										
<i>Propionibacterium acne</i>																										
<i>Pseudomonas aeruginosa</i>																										
<i>Pseudomonas duriflava</i>																										
<i>Pseudomonas oryzae</i>																										
<i>Streptococcus gallolyticus</i>																										
<i>Streptococcus thermophilus</i>																										
uncultured																										
uncultured <i>Acidovorax</i> sp.																										
uncultured <i>Corynebacterium</i> sp.																										
uncultured <i>Staphylococcus</i> sp.																										
uncultured <i>Stenotrophomonas</i> sp.																										
uncultured <i>Streptococcus</i> sp.																										

Table S1B