

Table S1. Electronic search strategies and records.

Database	Complete search strategy	Filters applied	Records identified
PubMed (MEDLINE)	("Alzheimer Disease"[MeSH] OR "Alzheimer disease"[Title/Abstract] OR Alzheimer*[Title/Abstract]) AND ("Probiotics"[MeSH] OR probiotic*[Title/Abstract] OR "dietary supplements"[Title/Abstract]) AND ("Gastrointestinal Microbiome"[MeSH] OR microbiota[Title/Abstract] OR microbiome[Title/Abstract]) AND (inflammation[Title/Abstract] OR neuroinflammation[Title/Abstract] OR cognition[Title/Abstract] OR memory[Title/Abstract]) AND (clinical trial[Publication Type] OR randomized controlled trial[Publication Type])	Last 10 years; English or Spanish	87
Web of Science (Core Collection)	TS=(Alzheimer* AND (probiotic* OR "dietary supplements") AND (microbiota OR microbiome) AND (inflammation OR neuroinflammation OR cognition OR memory))	Document type: Article; Language: English or Spanish; Publication years: last 10 years	93
Scopus	TITLE-ABS-KEY (Alzheimer* AND (probiotic* OR "dietary supplements") AND (microbiota OR microbiome) AND (inflammation OR neuroinflammation OR cognition OR memory))	Document type: Article; Language: English or Spanish; Publication years: last 10 years	73