

Supplementary Table 1: Database search strategy.

PUBMED
1
"omega*" [Title] OR "polyunsaturated fatty acid*" [Title] OR "PUFA*" [Title] OR "DHA" [Title] OR "EPA" [Title] OR "docosahexa*" [Title] OR "eicosapent*" [Title] OR "Fish oil supplementation" [Title]
2
"nutrigenomic*" [Title] OR "nutrigenetic*" [Title] OR "nutritional" [Title] OR "variant*" [Title] OR "genomic*" [Title] OR "genotype*" [Title] OR "nutrient-gene" [Title] OR "gene-nutrient" [Title] OR "gene-diet" [Title] OR "personal* nutrition" [Title] OR "precision nutrition" [Title] OR "allele*" [Title]
3
#1 AND #2 AND (humans [Filter])

Embase
1
Omega*:ti OR "polyunsaturated fatty acid*":ti OR PUFA*:ti OR DHA:ti OR EPA:ti OR docosahexa*:ti OR eicosapent*:ti OR "Fish oil supplementation":ti
2
nutrigenomic*:ti OR nutrigenetic*:ti OR nutritional:ti OR variant*:ti OR genomic*:ti OR genotype*:ti OR "nutrient-gene":ti OR "gene-nutrient":ti OR "gene-diet":ti OR "personal* nutrition":ti OR "precision nutrition":ti OR allele*:ti
3
#1 AND #2 AND (humans [Filter])

Web of Science
Indexes = SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH, ESCI Timespan =All years
1
TS=("omega*" OR PUFA\$ OR "polyunsaturated fatty acid*" OR linolenic or eicosapenta* OR docosahexa* OR DHA OR EPA OR ALA OR "Fish oil supplementation")
2
TS=(nutrigenomic* OR nutrigenetic* OR nutritional OR variant* OR genomic* OR genotype* OR "nutrient-gene" OR "gene-nutrient" OR "gene-diet" OR "personal* nutrition" OR "precision nutrition" OR allele*)
3
TS=(animal* OR mice OR mouse OR murine OR rat OR rats OR rodent* OR pig OR pigs OR swine* OR rabbit* OR monkey* OR cow OR chicken*)
4
#1 AND #2 NOT #3