



PUBLICATIONS

Number of publications: 61

Nº: 1

TITLE: Assessment of human microbiota stability across longitudinal samples using iteratively growing-partitioned clustering

AUTHORS: P. SANCHEZ-SANCHEZ, F. SANTONJA and A. BENITEZ-PAEZ

PUBLICACION DATE: 10/03/2022

DOI: 10.1093/bib/bbac055

Nº: 2

TITLE: Species- and strain-level assessment using rrn long-amplicons suggests donor's influence on gut microbial transference via fecal transplants in metabolic syndrome subjects.

AUTHORS: Benítez-Páez A, Hartstra AV, Nieuwdorp M and Sanz Y

PUBLICACION DATE: 01/01/2022

DOI: 10.1080/19490976.2022.2078621

Nº: 3

TITLE: Bacteroides uniformis CECT 7771 alleviates inflammation within the gut-adipose tissue axis involving TLR5 signaling in obese mice.

AUTHORS: Fabersani E, Portune K, Campillo I, López-Almela I, la Paz SM, Romaní-Pérez M, Benítez-Páez A and Sanz Y

PUBLICACION DATE: 03/06/2021

DOI: 10.1038/s41598-021-90888-y

Nº: 4

TITLE: Holdemanella biformis improves glucose tolerance and regulates GLP-1 signaling in obese mice.

AUTHORS: Romaní-Pérez M, López-Almela I, Bullich-Vilarrubias C, Rueda-Ruzafa L, Gómez Del Pulgar EM, Benítez-Páez A, Liebisch G, Lamas JA and Sanz Y

PUBLICACION DATE: 01/07/2021

DOI: 10.1096/fj.202100126R

Nº: 5

TITLE: Sex, Food, and the Gut Microbiota: Disparate Response to Caloric Restriction Diet with Fiber Supplementation in Women and Men

AUTHORS: A. BENITEZ-PAEZ, A. HESS, S. KRAUTBAUER, G. LIEBISCH, L. CHRISTENSEN, M. HJORTH, T. LARSEN, Y. SANZ and MyNewGut Consortium

PUBLICACION DATE: 01/04/2021

DOI: 10.1002/mnfr.202000996



Nº: 6

TITLE: *Bacteroides uniformis combined with fiber amplifies metabolic and immune benefits in obese mice.*

AUTHORS: López-Almela I, Romaní-Pérez M, Bullich-Villarrubias C, Benítez-Páez A, Gómez Del Pulgar EM, Francés R, Liebisch G and Sanz Y

PUBLICACION DATE: 01/01/2021

DOI: 10.1080/19490976.2020.1865706

Nº: 7

TITLE: *Gut microbiota profiles in critically ill patients, potential biomarkers and risk variables for sepsis.*

AUTHORS: Agudelo-Ochoa GM, Valdés-Duque BE, Giraldo-Giraldo NA, Jaillier-Ramírez AM, Giraldo-Villa A, Acevedo-Castaño I, Yepes-Molina MA, Barbosa-Barbosa J and Benítez-Páez A

PUBLICACION DATE: 10/01/2020

DOI: 10.1080/19490976.2019.1707610

Nº: 8

TITLE: *Microbial enterotypes beyond genus level: Bacteroides species as a predictive biomarker for weight change upon controlled intervention with arabinoxylan oligosaccharides in overweight subjects*

AUTHORS: L. CHRISTENSEN, C. SORENSEN, F. WOHLK, L. KJOLBAEK, A. ASTRUP, Y. SANZ, M. HJORTH and A. BENITEZ-PAEZ

PUBLICACION DATE: 09/11/2020

DOI: 10.1080/19490976.2020.1847627

Nº: 9

TITLE: *Infusion of donor feces affects the gut-brain axis in humans with metabolic syndrome.*

AUTHORS: A. HARTSTRA, Schüppel V, Imangaliyev S, Schranee A, Prodan A, Collard D, Levin E, Dallinga-Thie G, Ackermans MT, Winkelmeijer M, Havik SR, Metwaly A, Lagkouvardos I, Nier A, Bergheim I, Heikenwalder M, Dunkel A, Nederveen AJ, Liebisch G, Mancano G, Claus SP, Benítez-Páez A, la Fleur SE, Bergman JJ, Gerdes V, Sanz Y, Booij J, Kemper E, Groen AK, Serlie MJ, Haller D and Nieuwdorp M

PUBLICACION DATE: 01/12/2020

DOI: 10.1016/j.molmet.2020.101076

Nº: 10

TITLE: *The effect of inulin and resistant maltodextrin on weight loss during energy restriction: a randomised, placebo-controlled, double-blinded intervention.*

AUTHORS: Hess AL, Benítez-Páez A, Blædel T, Larsen LH, Iglesias JR, Madera C, Sanz Y, Larsen TM and MyNewGut Consortium

PUBLICACION DATE: 01/09/2020

DOI: 10.1007/s00394-019-02099-x



Nº: 11

TITLE: Nutritional interest of dietary fiber and prebiotics in obesity: Lessons from the MyNewGut consortium.

AUTHORS: Delzenne NM, Olivares M, Neyrinck AM, Beaumont M, Kjølbæk L, Larsen TM, Benítez-Páez A, Romaní-Pérez M, Garcia-Campayo V, Bosscher D, Sanz Y and van der Kamp JW

PUBLICACION DATE: 01/02/2020

DOI: 10.1016/j.clnu.2019.03.002

Nº: 12

TITLE: Arabinoxylan oligosaccharides and polyunsaturated fatty acid effects on gut microbiota and metabolic markers in overweight individuals with signs of metabolic syndrome: A randomized cross-over trial.

AUTHORS: Kjølbæk L, Benítez-Páez A, Gómez Del Pulgar EM, Brahe LK, Liebisch G, Matysik S, Rampelli S, Vermeiren J, Brigidi P, Larsen LH, Astrup A and Sanz Y

PUBLICACION DATE: 01/01/2020

DOI: 10.1016/j.clnu.2019.01.012

Nº: 13

TITLE: Dietary fat, the gut microbiota, and metabolic health - A systematic review conducted within the MyNewGut project.

AUTHORS: Wolters M, Ahrens J, Romaní-Pérez M, Watkins C, Sanz Y, Benítez-Páez A, Stanton C and Günther K

PUBLICACION DATE: 01/12/2019

DOI: 10.1016/j.clnu.2018.12.024

Nº: 14

TITLE: Bifidobacterium pseudocatenulatum CECT 7765 supplementation improves inflammatory status in insulin-resistant obese children.

AUTHORS: Sanchis-Chordà J, Del Pulgar EMG, Carrasco-Luna J, Benítez-Páez A, Sanz Y and Codoñer-Franch P

PUBLICACION DATE: 01/10/2019

DOI: 10.1007/s00394-018-1828-5

Nº: 15

TITLE: #EUROmicroMOOC: using Twitter to share trends in Microbiology worldwide.

AUTHORS: López-Goñi I, Giner-Lamia J, Álvarez-Ordoñez A, Benítez-Páez A, Claessen D, Cortesao M, de Toro M, García-Ruano D, Granato ET, Kovács ÁT, Romalde JL, Sana TG, Sánchez-Angulo M, Sangari FJ, Smits WK, Sturm T, Thomassin JL, Valdehuesa KNG and Zapotoczna M

PUBLICACION DATE: 01/06/2019

DOI: 10.1093/femsle/fnz141



Nº: 16

TITLE: Agarose-based freeze-dried capsules prepared by the oil-induced biphasic hydrogel particle formation approach for the protection of sensitive probiotic bacteria

AUTHORS: A. ALEHOSSEINI, E. DEL PULGAR, M. FABRA, L. GOMEZ-MASCARAQUE, A. BENITEZ-PAEZ, M. SARABI-JAMAB, B. GHORANI and A. LOPEZ-RUBIO

PUBLICACION DATE: 01/02/2019

DOI: 10.1016/j.foodhyd.2018.08.032

Nº: 17

TITLE: Pre-obese children's dysbiotic gut microbiome and unhealthy diets may predict the development of obesity.

AUTHORS: Rampelli S, Guenther K, Turroni S, Wolters M, Veidebaum T, Kourides Y, Molnár D, Lissner L, Benitez-Paez A, Sanz Y, Fraterman A, Michels N, Brigidi P, Candela M and Ahrens W

PUBLICACION DATE: 07/12/2018

DOI: 10.1038/s42003-018-0221-5

Nº: 18

TITLE: Increased prevalence of pathogenic bacteria in the gut microbiota of infants at risk of developing celiac disease: The PROFICEL study.

AUTHORS: Olivares M, Benítez-Páez A, de Palma G, Capilla A, Nova E, Castillejo G, Varea V, Marcos A, Garrote JA, Polanco I, Donat E, Ribes-Koninkx C, Calvo C, Ortigosa L, Palau F and Sanz Y

PUBLICACION DATE: 02/11/2018

DOI: 10.1080/19490976.2018.1451276

Nº: 19

TITLE: Towards microbiome-informed dietary recommendations for promoting metabolic and mental health: Opinion papers of the MyNewGut project.

AUTHORS: Sanz Y, Romaní-Perez M, Benítez-Páez A, Portune KJ, Brigidi P, Rampelli S, Dinan T, Stanton C, Delzenne N, Blachier F, Neyrinck AM, Beaumont M, Olivares M, Holzer P, Günther K, Wolters M, Ahrens W, Claus SP, Campoy C, Murphy R, Sadler C, Fernández L and Kamp JV

PUBLICACION DATE: 01/12/2018

DOI: 10.1016/j.clnu.2018.07.007

Nº: 20

TITLE: Plant sterols and human gut microbiota relationship: An in vitro colonic fermentation study

AUTHORS: M. CUEVAS-TENA, E. DEL PULGAR, A. BENITEZ-PAEZ, Y. SANZ, A. ALEGRIA and M. LAGARDA

PUBLICACION DATE: 01/05/2018

DOI: 10.1016/j.jff.2018.03.023



Nº: 21

TITLE: Bacillus subtilis exhibits MnmC-like tRNA modification activities

AUTHORS: I. MOUKADIRI, M. VILLARROYA, Benítez-Páez A and M. ARMENGOD

PUBLICACION DATE: 01/01/2018

DOI: 10.1080/15476286.2018.1517012

Nº: 22

TITLE: Bifidobacterium CECT 7765 modulates early stress-induced immune, neuroendocrine and behavioral alterations in mice.

AUTHORS: Moya-Pérez A, Perez-Villalba A, Benítez-Páez A, Campillo I and Sanz Y

PUBLICACION DATE: 01/10/2017

DOI: 10.1016/j.bbi.2017.05.011

Nº: 23

TITLE: Multi-locus and long amplicon sequencing approach to study microbial diversity at species level using the MinION™ portable nanopore sequencer.

AUTHORS: Benítez-Páez A and Sanz Y

PUBLICACION DATE: 01/07/2017

DOI: 10.1093/gigascience/gix043

Nº: 24

TITLE: Gut microbiota, diet, and obesity-related disorders-The good, the bad, and the future challenges.

AUTHORS: Portune KJ, Benítez-Páez A, Del Pulgar EM, Cerrudo V and Sanz Y

PUBLICACION DATE: 01/01/2017

DOI: 10.1002/mnfr.201600252

Nº: 25

TITLE: From bacterial genomics to human health

AUTHORS: A. BENITEZ and Y. SANZ

PUBLICACION DATE: 12/09/2016

DOI:



Nº: 26

TITLE: Pangenome-wide and molecular evolution analyses of the *Pseudomonas aeruginosa* species.

AUTHORS: Mosquera-Rendón J, Rada-Bravo AM, Cárdenas-Brito S, Corredor M, Restrepo-Pineda E and Benítez-Páez A

PUBLICACION DATE: 12/01/2016

DOI: 10.1186/s12864-016-2364-4

Nº: 27

TITLE: *Lactobacillus fermentum* CRL1446 Ameliorates Oxidative and Metabolic Parameters by Increasing Intestinal Feruloyl Esterase Activity and Modulating Microbiota in Caloric-Restricted Mice.

AUTHORS: Russo M, Fabersani E, Abeijón-Mukdsi MC, Ross R, Fontana C, Benítez-Páez A, Gauffin-Cano P and Medina RB

PUBLICACION DATE: 07/07/2016

DOI: 10.3390/nu8070415

Nº: 28

TITLE: Targeting the microbiota: considerations for developing probiotics as functional foods.

AUTHORS: A. BENITEZ

PUBLICACION DATE: 03/05/2016

DOI: <https://doi.org/10.1016/C2014-0-02907-3>

Nº: 29

TITLE: Impact of dietary fiber and fat on gut microbiota re-modeling and metabolic health

AUTHORS: A. BENITEZ-PAEZ, E. DEL PULGAR, L. KJOLBAEK, L. BRAHE, A. ASTRUP, L. LARSEN and Y. SANZ

PUBLICACION DATE: 01/11/2016

DOI: 10.1016/j.tifs.2016.11.001

Nº: 30

TITLE: Evolutionary and sequence-based relationships in bacterial AdoMet-dependent non-coding RNA methyltransferases.

AUTHORS: Mosquera-Rendón J, Cárdenas-Brito S, Pineda JD, Corredor M and Benítez-Páez A

PUBLICACION DATE: 10/07/2014

DOI: 10.1186/1756-0500-7-440



Nº: 31

TITLE: Development of quantitative proteomics using iTRAQ based on the immunological response of *Galleria mellonella* larvae challenged with *Fusarium oxysporum* microconidia.

AUTHORS: Muñoz-Gómez A, Corredor M, Benítez-Páez A and Peláez C

PUBLICACION DATE: 07/11/2014

DOI: 10.1371/journal.pone.0112179

Nº: 32

TITLE: Impairing methylations at ribosome RNA, a point mutation-dependent strategy for aminoglycoside resistance: The rsmG case

AUTHORS: A. BENITEZ-PAEZ, S. CARDENAS-BRITO, M. CORREDOR, M. VILLARROYA and M. ARMENGOD

PUBLICACION DATE: 01/04/2014

DOI: 10.7705/biomedica.v34i0.1702

Nº: 33

TITLE: *Streptococcus dentisani* sp. nov., a novel member of the mitis group (vol 64, pg 60, 2014)

AUTHORS: A. CAMELO-CASTILLO, A. BENITEZ-PAEZ, P. BELDA-FERRE, R. CABRERA-RUBIO and A. MIRA

PUBLICACION DATE: 01/03/2014

DOI: 10.1099/ijss.0.062802-0

Nº: 34

TITLE: *Streptococcus dentisani* sp. nov., a novel member of the mitis group.

AUTHORS: Camelo-Castillo A, Benítez-Páez A, Belda-Ferre P, Cabrera-Rubio R and Mira A

PUBLICACION DATE: 01/01/2014

DOI: 10.1099/ijss.0.054098-0

Nº: 35

TITLE: Detection of transient bacteraemia following dental extractions by 16S rDNA pyrosequencing: a pilot study.

AUTHORS: Benítez-Páez A, Álvarez M, Belda-Ferre P, Rubido S, Mira A and Tomás I

PUBLICACION DATE: 04/03/2013

DOI: 10.1371/journal.pone.0057782



Nº: 36

TITLE: The Escherichia coli RlmN methyltransferase is a dual-specificity enzyme that modifies both rRNA and tRNA and controls translational accuracy

AUTHORS: A. BENITEZ-PAEZ, M. VILLARROYA and M. ARMENGOD

PUBLICACION DATE: 01/10/2012

DOI: 10.1261/rna.033266.112

Nº: 37

TITLE: Enzymology of tRNA modification in the bacterial MnmEG pathway

AUTHORS: M. ARMENGOD, I. MOUKADIRI, Prado S, Ruiz-Partida R, Benítez-Páez A, M. VILLARROYA, Lomas R, Garzón MJ, Martínez-Zamora A, S. MESEGUE and M. NAVARRO

PUBLICACION DATE: 01/07/2012

DOI: 10.1016/j.biochi.2012.02.019

Nº: 38

TITLE: A practical guide for the computational selection of residues to be experimentally characterized in protein families.

AUTHORS: Benítez-Páez A, Cárdenas-Brito S and Gutiérrez AJ

PUBLICACION DATE: 01/05/2012

DOI: 10.1093/bib/bbr052

Nº: 39

TITLE: Regulation of expression and catalytic activity of Escherichia coli RsmG methyltransferase

AUTHORS: A. BENITEZ-PAEZ, M. VILLARROYA and M. ARMENGOD

PUBLICACION DATE: 01/04/2012

DOI: 10.1261/rna.029868.111

Nº: 40

TITLE: YibK is the 2'-O-methyltransferase TrmL that modifies the wobble nucleotide in Escherichia coli tRNA(Leu) isoacceptors

AUTHORS: A. BENITEZ-PAEZ, M. VILLARROYA, S. DOUTHWAITE, T. GABALDON and M. ARMENGOD

PUBLICACION DATE: 01/11/2010

DOI: 10.1261/rna.2245910



Nº: 41

TITLE: Considerations to improve functional annotations in biological databases.

AUTHORS: Benítez-Páez A

PUBLICACION DATE: 01/12/2009

DOI: 10.1089/omi.2009.0075

Nº: 42

TITLE: Sequence analysis of the Receptor Activity-Modifying Proteins family, new putative peptides and structural conformation inference.

AUTHORS: Benítez-Páez A

PUBLICACION DATE: 01/01/2006

DOI:

Nº: 43

TITLE: Population analysis from 12 microsatellite loci reveled by silver stain and assisted by computer software

AUTHORS: A. BENITEZ-PAEZ and S. LAVERDE

PUBLICACION DATE: 01/01/2004

DOI: 10.1016/S0531-5131(03)01495-X

Nº: 44

TITLE: Results of the GEP-ISFG collaborative study on two Y-STRs tetraplexes: GEPY I (DYS461, GATA C4, DYS437 and DYS438) and GEPY II (DYS460, GATA A10, GATA H4 and DYS439).

AUTHORS: Sánchez-Diz P, Gusmão L, Beleza S, Benítez-Páez A, Castro A, García O, Solla LP, Geada H, Martín P, Martínez-Jarreta B, de Fátima Pinheiro M, Raimondi E, Silva de la Fuente SM, Vide MC, Whittle MR, Zarrabeitia MT, Carracedo A, Amorim A and GEP-ISFG

PUBLICACION DATE: 12/08/2003

DOI: 10.1016/s0379-0738(03)00200-7

Nº: 45

TITLE: Allelic frequencies at 12 STR loci in Colombian population.

AUTHORS: Benítez-Páez A and Reyes HO

PUBLICACION DATE: 09/09/2003

DOI: 10.1016/s0379-0738(03)00220-2



Nº: 46

TITLE: A Multi-omics Approach to Unraveling the Microbiome-Mediated Effects of Arabinoxylan Oligosaccharides in Overweight Humans.

AUTHORS: Benítez-Páez A, Kjølbæk L, Gómez Del Pulgar EM, Brahe LK, Astrup A, Matysik S, Schött HF, Krautbauer S, Liebisch G, Boberska J, Claus S, Rampelli S, Brigidi P, Larsen LH and Sanz Y

PUBLICACION DATE: 28/05/2019

DOI: 10.1128/mSystems.00209-19

Nº: 47

TITLE: Breast-milk microbiota linked to coeliac disease development in children: a pilot study from the PreventCD cohort.

AUTHORS: A. BENITEZ, M. OLIVARES, H. SZAJEWSKA, M. PIECKI-LECH, I. POLANCO, G. CASTILLEJO, M. NUÑEZ, C. RIBES-KONINCKX, I. KORPONAY-SZABÓ, S. KOLETZKO, C. MEIJER, M. MEARIN and Y. SANZ

PUBLICACION DATE: 23/06/2020

DOI: 10.3389/fmicb.2020.01335

Nº: 48

TITLE: Depletion of Blautia Species in the Microbiota of Obese Children Relates to Intestinal Inflammation and Metabolic Phenotype Worsening.

AUTHORS: Benítez-Páez A, Gómez Del Pugar EM, López-Almela I, Moya-Pérez Á, Codoñer-Franch P and Sanz Y

PUBLICACION DATE: 24/03/2020

DOI: 10.1128/mSystems.00857-19

Nº: 49

TITLE: Dissection of functional residues in receptor activity-modifying proteins through phylogenetic and statistical analyses.

AUTHORS: Benítez-Páez A and Cárdenas-Brito S

PUBLICACION DATE: 28/04/2008

DOI: 10.4137/ebo.s705

Nº: 50

TITLE: Editorial: Remodeling Composition and Function of Microbiome by Dietary Strategies-Functional Foods Perspective

AUTHORS: S. TURRONI and A. BENITEZ-PAEZ

PUBLICACION DATE: 30/11/2021

DOI: 10.3389/fnut.2021.811102



Nº: 51

TITLE: Genome Structure of the Symbiont *Bifidobacterium pseudocatenulatum* CECT 7765 and Gene Expression Profiling in Response to Lactulose-Derived Oligosaccharides.

AUTHORS: Benítez-Páez A, Moreno FJ, Sanz ML and Sanz Y

PUBLICACION DATE: 29/04/2016

DOI: 10.3389/fmicb.2016.00624

Nº: 52

TITLE: Gut bless you: The microbiota-gut-brain axis in irritable bowel syndrome

AUTHORS: E. HILLESTAD, A. VAN DER MEEREN, B. NAGARAJA, B. BJORSVIK, N. HALEEM, A. BENITEZ-PAEZ, Y. SANZ, T. HAUSKEN, G. LIED, A. LUNDERVOLD and B. BERENTSEN

PUBLICACION DATE: 28/01/2022

DOI: 10.3748/wjg.v28.i4.412

Nº: 53

TITLE: Gut microbiota trajectory in early life may predict development of celiac disease.

AUTHORS: Olivares M, Walker AW, Capilla A, Benítez-Páez A, Palau F, Parkhill J, Castillejo G and Sanz Y

PUBLICACION DATE: 20/02/2018

DOI: 10.1186/s40168-018-0415-6

Nº: 54

TITLE: Microbiota diversity and gene expression dynamics in human oral biofilms.

AUTHORS: Benítez-Páez A, Belda-Ferre P, Simón-Soro A and Mira A

PUBLICACION DATE: 27/04/2014

DOI: 10.1186/1471-2164-15-311

Nº: 55

TITLE: Population data of new Y-chromosome STRs GATA C4, DYS438, DYS437, GATA A7.2, GATA H4, DYS439 and GATA A10 in males from Colombia.

AUTHORS: Vidal-Martinez J, Benítez-Páez A and Ossa Reyes H

PUBLICACION DATE: 27/08/2003

DOI: 10.1016/s0379-0738(03)00204-4



Nº: 56

TITLE: Safety Assessment of *Bacteroides Uniformis* CECT 7771, a Symbiont of the Gut Microbiota in Infants.

AUTHORS: Gómez Del Pulgar EM, Benítez-Páez A and Sanz Y

PUBLICACION DATE: 20/02/2020

DOI: 10.3390/nu12020551

Nº: 57

TITLE: Species-level resolution of 16S rRNA gene amplicons sequenced through the MinION™ portable nanopore sequencer.

AUTHORS: Benítez-Páez A, Portune KJ and Sanz Y

PUBLICACION DATE: 28/01/2016

DOI: 10.1186/s13742-016-0111-z

Nº: 58

TITLE: Structure-Function Analysis of *Escherichia coli* MnMg (GidA), a Highly Conserved tRNA-Modifying Enzyme

AUTHORS: R. SHI, M. VILLARROYA GRAU, R. RUIZ-PARTIDA, Y. LI, A. PROTEAU, S. PRADO, I. MOUKADIRI, A. BENITEZ-PAEZ, R. LOMAS, J. WAGNER, A. MATTE, A. VELAZQUEZ-CAMPOY, M. ARMENGOD GONZÁLEZ and M. CYGLER

PUBLICACION DATE: 15/12/2009

DOI: 10.1128/JB.00650-09

Nº: 59

TITLE: The Glycolytic Versatility of *Bacteroides uniformis* CECT 7771 and Its Genome Response to Oligo and Polysaccharides.

AUTHORS: Benítez-Páez A, Gómez Del Pulgar EM and Sanz Y

PUBLICACION DATE: 25/08/2017

DOI: 10.3389/fcimb.2017.00383

Nº: 60

TITLE: The Potential Role of the Dipeptidyl Peptidase-4-Like Activity From the Gut Microbiota on the Host Health.

AUTHORS: Olivares M, Schüppel V, Hassan AM, Beaumont M, Neyrinck AM, Bindels LB, Benítez-Páez A, Sanz Y, Haller D, Holzer P and Delzenne NM

PUBLICACION DATE: 22/08/2018

DOI: 10.3389/fmicb.2018.01900



Nº: 61

TITLE: The microbiota composition drives personalized nutrition: Gut microbes as predictive biomarkers for the success of weight loss diets.

AUTHORS: Hernández-Calderón P, Wiedemann L and Benítez-Páez A

PUBLICACION DATE: 23/09/2022

DOI: 10.3389/fnut.2022.1006747
