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Ficha del Directorio

Grupo de Investigación: ESTUDIO SUSTANCIAS ANTAGONISTAS PRODUCIDAS POR MICROORGANISMOS (Cod.: BIO160)

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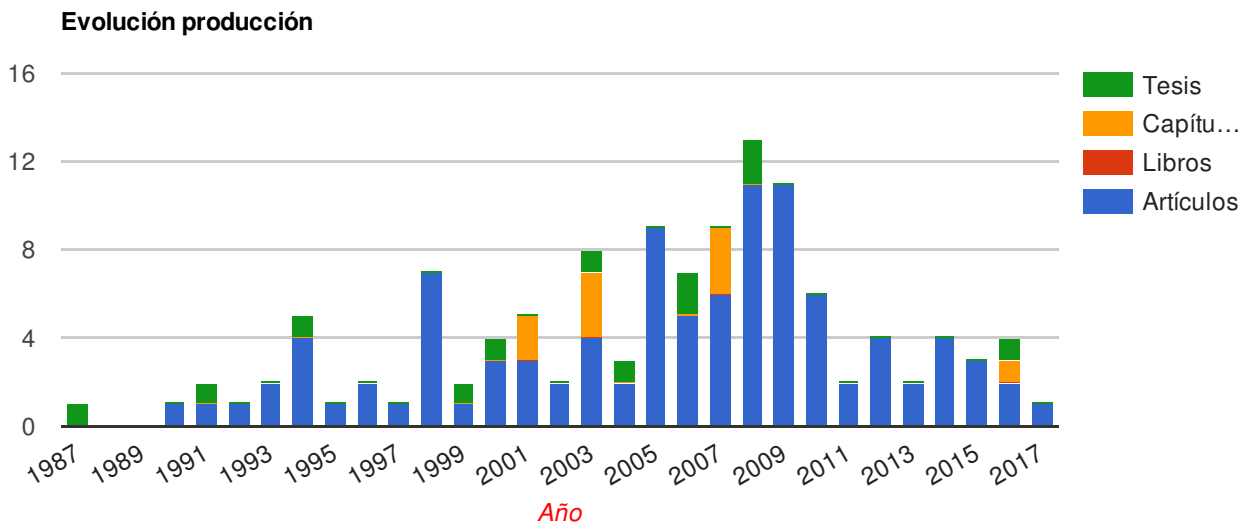
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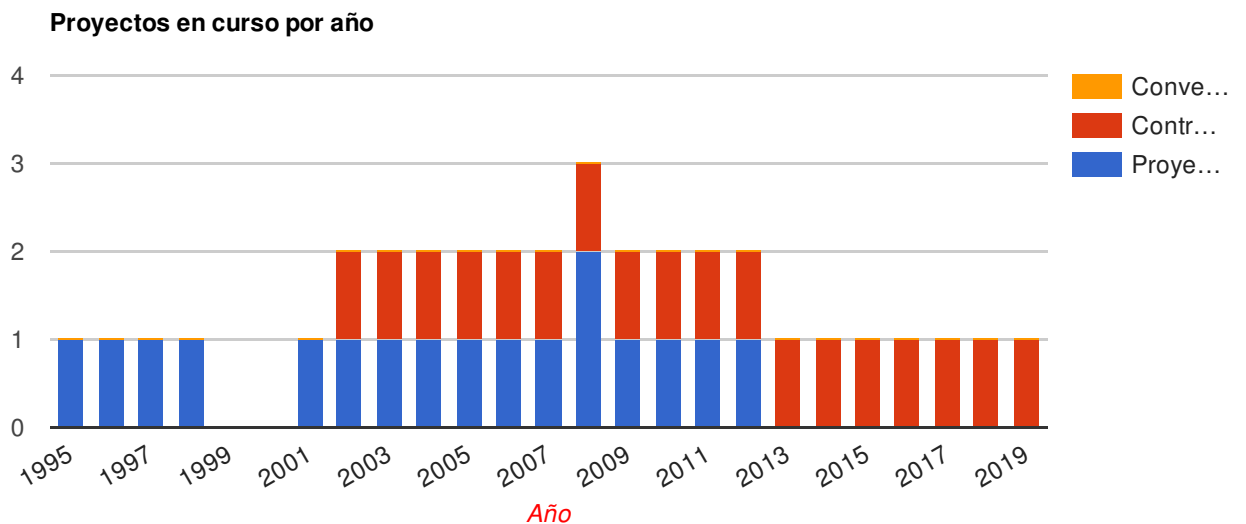
Producción 122

Artículos (101) Libros (0) Capítulos de Libros (9) Tesis dirigidas (12)



Proyectos dirigidos 5

Proyectos (4) Contratos (1) Convenios (0)



Actividades 0

Título publicación	Fuente	Tipo	Fecha
Enterocin as-48 as evidence for the use of bacteriocins as new leishmanicidal agents	Antimicrobial agents and chemotherapy	Articulo	2017
Aplicación de la tecnología de las barreras en el desarrollo de as-48 como bioconservante alimentario. estudio de probiosis de una cepa productora de as-48	Facultad de ciencias	Tesis doctoral	2016
Aislamiento e identificación de las bacterias ácido lácticas	Bacterias ácido lácticas	Capítulo de libro	2016
Biocontrol of listeria monocytogenes in fish by enterocin as-48 and listeria lytic bacteriophage p100	Lwt-food science and technology	Articulo	2016
Nest bacterial environment affects microbiome of hoopoe eggshells, but not that of the uropygial secretion		Articulo	2016
The hoopoe's uropygial gland hosts a bacterial community influenced by the living conditions of the bird	Plos one	Articulo	2015
The bacteriocin as-48 requires dimer dissociation followed by hydrophobic interactions with the membrane for antibacterial activity	Journal of structural biology	Articulo	2015
The potential of bacteriocin as-48 in the control of propionibacterium acnes	Peerj preprints	Articulo	2015
Analysis of the promoters involved in enterocin as-48 expression	Plos one	Articulo	2014
Environmental factors shape the community of symbionts in hoopoe uropygial gland more than genetic factors	Applied and environmental microbiology	Articulo	2014
Special structures of hoopoe eggshells enhance the adhesion of symbiont-carrying uropygial secretion that increase hatching success	Journal of animal ecology	Articulo	2014
The impact of enterocin as-48 on the shelf-life and safety of sardines (sardina pilchardus) under different storage conditions	Food microbiology	Articulo	2014
Bacteriocins with a broader antimicrobial spectrum prevail in enterococcal symbionts isolated from the hoopoe's uropygial gland		Articulo	2013
Characterization of functional, safety, and gut survival related characteristics of lactobacillus strains isolated from farmhouse goat's milk cheeses	International journal of food microbiology	Articulo	2013
Antimicrobial activity and genetic profile of enterococci isolated from hoopoes uropygial gland	Plos one	Articulo	2012
Antimicrobial characterization and safety aspects of the bacteriocinogenic enterococcus hirae f420 isolated from moroccan raw goat milk	Canadian journal of microbiology	Articulo	2012
Characterization of functional, safety, and probiotic properties of enterococcus faecalis ugra10, a new as-48-producer strain	Food microbiology	Articulo	2012
Prevention of spoilage by enterocin as-48 combined with chemical preservatives, under vacuum, or modified atmosphere in a cooked ham model	Food control	Articulo	2012
As-48 bacteriocin: close to perfection	Cellular and molecular life sciences	Articulo	2011
Expression of linear permutated variants from circular enterocin as-48	Biochimie	Articulo	2011
Combined effect of enterocin as-48 and high hydrostatic pressure to control food-borne pathogens inoculated in low acid fermented sausages	Meat science	Articulo	2010
Conformational stability and activity of circular enterocin as-48 derivatives	Protein and peptide letters	Articulo	2010

40 derivatives

Effect of combined physico-chemical treatments based on enterocin as-48 on the control of listeria monocytogenes and staphylococcus aureus in a model cooked ham	Food control	Articulo	2010
Evaluation of an enterocin as-48 enriched bioactive powder obtained by spray-drying	Food microbiology	Articulo	2010
Insights into the functionality of the putative residues involved in enterocin as-48 maturation	Applied and environmental microbiology	Articulo	2010
Potential applications of the cyclic peptide enterocin as-48 in the preservation of vegetable foods and beverages	Probiotics and antimicrobial proteins	Articulo	2010
Antibacterial protection by enterocin as-48 in sport and energy drinks with less acidic ph values	Journal of food protection	Articulo	2009
Assay of enterocin as-48 for inhibition of foodborne pathogens in desserts	Journal of food protection	Articulo	2009
Characterization and safety evaluation of enterococci isolated from spanish goats' milk cheeses	International journal of food microbiology	Articulo	2009
Effect of enterocin as-48 in combination with high-intensity pulsed-electric field treatment against the spoilage bacterium lactobacillus diolivorans in apple juice	Food microbiology	Articulo	2009
Enhanced bactericidal activity of enterocin as-48 in combination with essential oils, natural bioactive compounds, and chemical preservatives against listeria monocytogenes in ready-to-eat salads	Food and chemical toxicology	Articulo	2009
Inactivation of geobacillus stearothermophilus in canned foods and drinks by addition of enterocin as-48	Food microbiology	Articulo	2009
Inhibition of salmonella enterica cells in deli-type salad by enterocin as-48 in combination with other antimicrobials	Probiotics and antimicrobial proteins	Articulo	2009
Polyphasic study of microbial communities of two spanish farmhouse goats' milk cheeses from sierra de aracena	Food microbiology	Articulo	2009
Seasonal, sexual and developmental differences in hoopoe upupa eops preen gland morphology and secretions: evidence for a role of bacteria	Journal of avian biology	Articulo	2009
Symbiotic bacteria living in the hoopoe's uropygial gland prevent feather degradation	Journal of experimental biology	Articulo	2009
The impact of adding antimicrobial peptides to milk inoculated with staphylococcus aureus and processed by high-intensity pulsed electric field	Journal of dairy science	Articulo	2009
Biodiversity of the microbial community in a spanish farmhouse cheese as revealed by culture-dependent and culture-independent methods	International journal of food microbiology	Articulo	2008
Characterization of linear forms of the circular enterocin as-48 obtained by limited proteolysis	Febs letters	Articulo	2008
Combined physico-chemical treatments based on enterocin as-48 for inactivation of gram-negative bacteria in soybean sprouts	Food and chemical toxicology	Articulo	2008
Effect of replacing glutamic residues upon the biological activity and stability of the circular enterocin as-48	The journal of antimicrobial chemotherapy	Articulo	2008
Enhanced bactericidal effect of enterocin as-48 in combination with high-intensity pulsed-electric field treatment against salmonella enterica in apple juice	International journal of food microbiology	Articulo	2008
Estudio polifásico de la diversidad microbiana de quesos artesanales elaborados con leche cruda de cabra	Universidad de granada. microbiología	Tesis doctoral	2008
Inactivation of exopolysaccharide and 3-			

hydroxypropionaldehyde-producing lactic acid bacteria in apple juice and apple cider by enterocin as-48	Food and chemical toxicology	Articulo	2008
Inactivation of listeria monocytogenes in raw fruits by enterocin as-48	Journal of food protection	Articulo	2008
Inhibition of bacillus cereus and b. weihenstephanensis in raw vegetables by application of washing solutions containing enterocin as-48 alone and in combination with other antimicrobials	Food microbiology	Articulo	2008
Obtención de moléculas lineales de as-48 que conserven la estructura tridimensional y la actividad biológica de la molécula nativa	Universidad de granada. microbiología	Tesis doctoral	2008
Optimization of enterocin as-48 production on a whey-based substrate	International dairy journal	Articulo	2008
Polyphasic approach to bacterial dynamics during the ripening of spanish farmhouse cheese, using culture-dependent and -independent methods	Applied and environmental microbiology	Articulo	2008
Processing of as-48abc rna in as-48 enterocin production by enterococcus faecalis	Journal of bacteriology	Articulo	2008
Antilisterial synergism through enterocin as-48 and chemical preservatives in a meat model system	Meat safety: from abattoir to consumer.	Capítulo de libro	2007
Bactericidal synergism through enterocin as-48 and chemical preservatives against staphylococcus aureus.	Letters in applied microbiology	Articulo	2007
Biopreservation, an ecological approach to improve the safety and shelf-life of foods	Communicating current research and educational topics and trends in applied microbiology. microbiology book series	Capítulo de libro	2007
Efficacy of enterocin as-48 against bacilli in ready-to-eat vegetable soups and purees	Journal of food protection	Articulo	2007
Fast, convenient, and economical method for isolating genomic dna from lactic acid bacteria using a modification of the protein salting-out procedure	Analytical biochemistry	Articulo	2007
Heterologous expression of enterocin as-48 in several strains of lactic acid bacteria	Journal of applied microbiology	Articulo	2007
Inhibition of staphylococcus aureus in dairy products by enterocin as-48 produced in situ and ex situ: bactericidal synergism with heat	International dairy journal	Articulo	2007
Natural ribosomally synthesized circular proteins	Communicating current research and educational topics and trends in applied microbiology. microbiology book series	Capítulo de libro	2007
Treatment of vegetable sauces with enterocin as-48 alone or in combination with phenolic compounds to inhibit proliferation of staphylococcus aureus	Journal of food protection	Articulo	2007
Application of the broad-spectrum bacteriocin enterocin as-48 to inhibit bacillus coagulans in canned fruit and vegetable foods.	Food and chemical toxicology	Articulo	2006
Caracterización de variantes de la enterocina as-48 obtenidas mediante mutagénesis dirigida	Universidad de granada. microbiología	Tesis doctoral	2006
Characterization of antimicrobial substances produced by enterococcus faecalis mrr 10-3, isolated from the uropygial gland of the hoopoe (upupa epops)	Applied and environmental microbiology	Articulo	2006
Control of listeria monocytogenes in goat's milk and goat's jben by the bacteriocinogenic enterococcus faecium f58 strain	Journal of food protection	Articulo	2006
Inhibition of bacillus licheniformis lmg 10400 from raw cider			

Inhibition of bacillus licheniformis img 19409 from ropy cider by enterocin as-48	Journal of applied microbiology	Articulo	2006
Inhibition of toxicogenic bacillus cereus in rice-based foods by enterocin as-48	International journal of food microbiology	Articulo	2006
Optimización de la producción de la enterocina as-48 y ensayo de su eficacia como bioconservante en alimentos	Universidad de granada. microbiología	Tesis doctoral	2006
Control of alicyclobacillus acidoterrestres in fruit juices by enterocin as-48.	International journal of food microbiology	Articulo	2005
Control of listeria monocytogenes in model sausages by enterocin as-48	International journal of food microbiology	Articulo	2005
Control of staphylococcus aureus in sausages by enterocin as-48	Meat science	Articulo	2005
Design, nmr characterization and activity of a 21-residue peptide fragment of bacteriocin as-48 containing its putative membrane interacting region	Journal of peptide science	Articulo	2005
Effect of immersion solutions containing enterocin as-48 on listeria monocytogenes in vegetable foods	Applied and environmental microbiology	Articulo	2005
Enterocin as-48rj: a variant of enterocin as-48 chromosomally encoded by enterococcus faecium rj16 isolated from food	Systematic and applied microbiology	Articulo	2005
Enterococcus faecium f58, a bacteriocinogenic strain naturally occurring in jben, a soft, farmhouse goat,s cheese made in morocco	Journal of applied microbiology	Articulo	2005
Stability of enterocin as-48 in fruit and vegetable juices	Journal of food protection	Articulo	2005
Synergistic effect of enterocin as-48 in combination with outer membrane permeabilizing treatments against escherichia coli o157:h7	Journal of applied microbiology	Articulo	2005
Análisis funcional y de expresión de la enterocina as-48 en enterococcus faecalis y transferencia a otras bacterias del ácido láctico	Universidad de granada. microbiología	Tesis doctoral	2004
Biocontrol of psychrotrophic enterotoxigenic bacillus cereus in a nonfat hard cheese by an enterococcal strain-producing enterocin as-48	Journal of food protection	Articulo	2004
Effect of combined physico-chemical preservatives on enterocin as-48 activity against the enterotoxigenic staphylococcus aureus cect 976 strain	Journal of applied microbiology	Articulo	2004
A simple method for semi-preparative-scale production and recovery of enterocin as-48 derived from enterococcus faecalis subsp liquefaciens a-48-32	Journal of microbiological methods	Articulo	2003
Aplicación de la enterocina as-48 en el control de bacterias patógenas en sistemas alimentarios.	Bacteriocinas de bacterias lácticas en la mejora de la calidad de los alimentos	Capítulo de libro	2003
Characterization of a new operon, as-48efgh, from the as-48 gene cluster involved in immunity to enterocin as-48	Applied and environmental microbiology	Articulo	2003
Enterocina as-48: organización y expresión de la región genética as-48	Bacteriocinas de bacterias lácticas en la mejora de la calidad de los alimentos	Capítulo de libro	2003
Estudio de la eficacia de la enterocina as-48 en el control de bacterias patógenas transmitidas por alimentos	Universidad de granada. microbiología	Tesis doctoral	2003
Identificación de los determinantes genéticos responsables de la enterocina ej97	Bacteriocinas de bacterias lácticas en la mejora de la calidad de los alimentos	Capítulo de libro	2003
Structure of bacteriocin as-48: from soluble state to membrane bound state	Journal of molecular biology	Articulo	2003

The genes coding for enterocin ej97 production by enterococcus faecalis ej97 are located on a conjugative plasmid	Applied and environmental microbiology	Articulo	2003
Inhibition of bacterial growth, enterotoxin production, and spore outgrowth in strains of bacillus cereus by bacteriocin as-48	Applied and environmental microbiology	Articulo	2002
The denaturation of circular enterocin as-48 by urea and guanidinium hydrochloride	Biochimica et biophysica acta. proteins and proteomics	Articulo	2002
As-48: a circular protein with an extremely stable globular structure	Febs letters	Articulo	2001
As-48: un nuevo tipo de bacteriocina, con unas características estructurales únicas	Bacteriocinas producidas por bacterias lácticas y y su aplicación en la industria alimentaria	Capítulo de libro	2001
Influence of physico-chemical factors on the oligomerization and biological activity of bacteriocin as-48	Current microbiology	Articulo	2001
Manipulación genética de las bacterias: aspectos básicos y aplicaciones biotecnológicas	Manipulación genética : metodología, aplicaciones y bioética	Capítulo de libro	2001
Monolayer characteristics of bacteriocin as-48, ph effect and interactions with dipalmitoyl phosphatidic acid at the air-water interface	Journal of colloid and interface science	Articulo	2001
Bacteriocin as-48, a microbial cyclic polypeptide structurally and functionally related to mammalian nk-lysin	Proceedings of the national academy of sciences of the united states of america	Articulo	2000
Estudios fisico-quimicos y biologicos de la bacteriocina as-48	Universidad de granada. microbiología	Tesis doctoral	2000
Ps86, a new theta-replicating plasmid from enterococcus faecalis	Current microbiology	Articulo	2000
Scientific publication trends and the developing world - what can the volume and authorship of scientific articles tell us about scientific progress in various regions?	American scientist (print)	Articulo	2000
Antilisterial activity of peptide as-48 and study of changes induced in the cell envelope properties of an as-48-adapted strain of listeria monocytogenes	Applied and environmental microbiology	Articulo	1999
Análisis y expresión de los genes implicados en la producción y resistencia frente a as-48	Universidad de granada. microbiología	Tesis doctoral	1999
Analysis of the gene cluster involved in production and immunity of the peptide antibiotic as-48 in enterococcus faecalis	Molecular microbiology	Articulo	1998
Isolation and characterization of enterocin ej97, a bacteriocin produced by enterococcus faecalis ej97	Archives of microbiology	Articulo	1998
Physical mapping of the conjugative plasmid pmb1-1 of enterococcus faecalis	Letters in applied microbiology	Articulo	1998
Publication rates reveal trends in microbiological research	Asm news (washington)	Articulo	1998
Response of salmonella choleraesuis lt2 spheroplasts and permeabilized cells to the bacteriocin as-48	Applied and environmental microbiology	Articulo	1998
Sequence-specific h-1 assignment and secondary structure of the bacteriocin as-48 cyclic peptide	Journal of biomolecular nmr	Articulo	1998
Widespread production of as-48-like bacteriocins in strains of enterococcus faecalis?	Molecular microbiology	Articulo	1998
Chemical signals in gram-positive bacteria: the sex-pheromone system in enterococcus faecalis	Microbiologia sem: the official journal of the spanish society for microbiology	Articulo	1997
Incidence of antibiotic resistance and sex pheromone			

Incidence of antibiotic resistance and sex pheromone response among enterococci isolated from clinical human samples and from municipal waste water	Journal of applied bacteriology	Articulo	1996
Purification of sex pheromones specific for pmb1 and pmb2 plasmids of enterococcus faecalis s-48	Canadian journal of microbiology	Articulo	1996
Cocultivation of the amoeba naegleria fowleri and the amoebicin-producing strain bacillus licheniformis m-4	Applied and environmental microbiology	Articulo	1995
Bacteriocin plasmid pmb1 of enterococcus faecalis: identification of the cell aggregation substance after induction by sex pheromone	Canadian journal of microbiology	Articulo	1994
Characterization and biological activity on naegleria fowleri of amoebicins produced by bacillus licheniformis d-13	Antimicrobial agents and chemotherapy	Articulo	1994
Determination of the gene sequence and the molecular-structure of the enterococcal peptide antibiotic as-48	Journal of bacteriology	Articulo	1994
Estudio sobre las sustancias producidas por bacillus licheniformis m-4 frente a la ameba naegleria fowleri.	Universidad de granada. microbiología	Tesis doctoral	1994
The cyclic structure of the enterococcal peptide antibiotic as-48	Febs letters	Articulo	1994
Neutralizing antibodies against the peptide antibiotic as-48: immunocytological studies	Antimicrobial agents and chemotherapy	Articulo	1993
Purification, characterization, and lytic activity against naegleria fowleri of two amoebicins produced by bacillus licheniformis a12	Applied and environmental microbiology	Articulo	1993
Transfer of a plasmid determining bacteriocin bc-48 production and immunity, and response to sexual pheromones in e. faecalis	Plasmid	Articulo	1992
Determinantes genéticos responsables de la producción de sustancias antagonistas en enterococcus faecalis s-48	Universidad de granada. microbiología	Tesis doctoral	1991
Permeation of bacterial cells, permeation of cytoplasmic and artificial membrane vesicles, and channel formation on lipid bilayers by peptide antibiotic as-48	Journal of bacteriology	Articulo	1991
A transferable plasmid associated with as-48 production in e. faecalis	Journal of bacteriology	Articulo	1990
Purificación, caracterización y actividad biológica de una sustancia antibacteriana de amplio espectro producida por enterococcus faecalis	Universidad de granada. microbiología	Tesis doctoral	1987

	Título proyecto	Tipo	Inicio	Fin
1	Aplicación de la enterocina as-48 como bioconservante de alimentos: uso combinado con otras barreras y desarrollo de cepas productoras de grado alimentario	Proyecto	2/1/08	1/31/12
2	Aplicación de la tecnología de las barreras en el desarrollo de as-48 como bioconservante de productos carnicos	Proyecto	12/31/05	12/31/08
3	Optimización de la producción de la bacteriocina as-48 y ensayo de su actividad antimicrobiana en sistemas alimentarios	Proyecto	12/28/01	12/27/04
4	Estudios biológicos y genéticos del péptido cíclico antibiotico producido por enterococcus faecalis s-48: análisis de su expresión en cepas industriales de lactococcus lactis y de su hiperproducción en sistemas	Proyecto	7/1/95	7/1/98
5	Producción a escala industrial de la bacteriocina as-48 a partir de subproductos lácteos para su aplicación en la industria alimentaria	Contrato	11/5/02	

Actividades 0

Título actividad	Fuente	Tipo	Fecha
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Colaboradores

- MERCEDES MAQUEDA ABREU (97)
- MANUEL MARTÍNEZ BUENO (84)
- SAMIR ANANOU JALED (17)
- ANTONIO MANUEL MARTIN PLATERO (13)
- MANUEL LORENZO MARTÍN-VIVALDI MARTÍNEZ (9)
- RUBÉN CEBRIÁN CASTILLO (7)
- INÉS MARTÍN SÁNCHEZ (6)
- MANUEL MONTALBÁN LÓPEZ (6)
- ARANTXA MUÑOZ PEREZ DEL PULGAR (5)
- ALBERTO BAÑOS ARJONA (4)
- Sonia María Rodríguez Ruano (3)
- EVA SANCHEZ COBOS (2)
- JOSE CRISTOBAL MARTINEZ HERRERIAS (2)
- PEDRO LUIS MATEO ALARCON (2)
- ISABEL MARINA GUERRA TSCHUSCHKE (1)
- JESSICA PURSWANI (1)
- LAURA ARCO GONZÁLEZ (1)
- MARÍA JOSÉ GÁLVEZ RUIZ (1)
- SALVADOR ARIAS SANTIAGO (1)