(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
14 September 2017 (14.09.2017)

WIPO | PCT

(10) International Publication Number
WO 2017/156548 A1

(51) International Patent Classification:
A61K 35/74 (2015.01) *A61K 31/702* (2006.01)
A61K 31/00 (2006.01) *A61K 35/00* (2006.01)

(21) International Application Number:
PCT/US2017/022207

(22) International Filing Date:
13 March 2017 (13.03.2017)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
62/307,425 11 March 2016 (11.03.2016) US

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(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

Published:

— *with international search report (Art. 21(3))*

(54) Title: FOOD COMPOSITIONS FOR WEANING

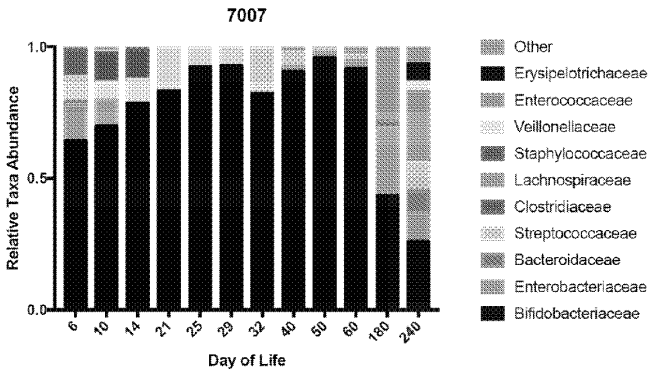


FIG. 3A

(57) Abstract: The inventions described herein relate generally to digestive healthcare, and more particularly, to the feeding of mammals, particularly human infants, who are making a transition from a inicrobiome with lower diversity to a microbiome with higher diversity. These inventions relate to certain foods comprising a fermentable nutritional component and a probiotic component, where the probiotic component is selected, based on genetic and/or metabolic criteria, to specifically metabolize any Free Sugar Monomers (FSMs) and Free Amino Acids (FAAs) or peptides that accumulate as a result of the fermentable nutritional component in the lower intestine, where they otherwise might be left in the environment to be fermented and metabolized by less adapted/opportunistic bacteria, creating blooms of deleterious intestinal bacteria and shifting the microbiome to a potentially dysbiotic state. The present inventions provide combinations of foods and probiotic bacteria that can protect the mammalian gut from blooms of pathogenic bacteria.

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