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(54) **SELECTION AND/OR ENHANCEMENT OF RESIDENT MICROORGANISMS IN THE GASTROINTESTINAL TRACT**

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(58) **Field of Search** 435/252.1; 514/60, 514/54, 778; 426/661, 658

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(57) **ABSTRACT**

Improved method of enhancing a population of one or more target microorganisms in the gastrointestinal tract of an animal, the improvement comprising providing to the animal a selected modified or unmodified resistant starch or mixtures thereof, such that the one or more microorganisms will selectively utilise the starch and/or increase in number and/or activity in the gastrointestinal tract, either uniformly throughout the gastrointestinal tract or at specific site or regions.