microbiome:

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TRANSLATIONAL SCIENCE

Genomic repertoires linked with pathogenic potency of arthritogenic *Prevotella copri* isolated from the gut of patients with rheumatoid arthritis

Takuro Nii,^{1,2,3} Yuichi Maeda ,^{1,2,4} Daisuke Motooka,^{4,5,6} Mariko Naito,⁷

Yuki Matsumoto,⁶ Takao Ogawa,^{1,2} Eri Oguro-Igashira ,^{1,2} Toshihiro Kishikawa,^{8,9,10} Makoto Yamashita,¹¹ Satoshi Koizumi,¹¹ Takashi Kurakawa,¹ Ryu Okumura,^{1,4,5}

Hisako Kayama,^{1,5,12} Mari Murakami,^{1,5} Taiki Sakaguchi,^{1,5} Bhabatosh Das,¹³ Shota Nakamura,^{4,5,6,14} Yukinori Okada ,^{4,5,8,14,15,16} Atsushi Kumanogoh,^{2,4,5,14} Kiyoshi Takeda ^{1,4,5,14}

Is P. copri found in rheumatoid arthritis patients involved in worsening the condition?

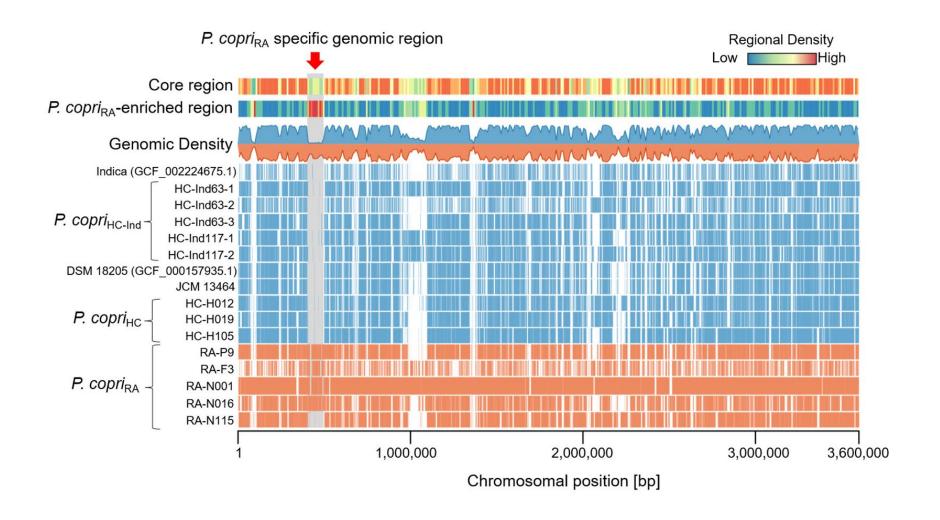
Summary:

- Prevotella copri is often found in the intestine of healthy people, but Prevotella copri with a characteristic sequence inserted into the genome is isolated from rheumatoid arthritis patients.
- The Prevotella copri causes an excessive increase in IL-17 and related cytokines, and is suspected to be involved in the onset and worsening of arthritis symptoms.

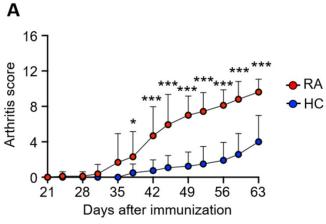
Proposal:

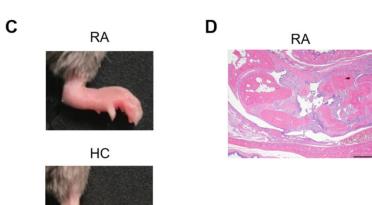
We would like to do joint research with a company. We can provide Prevotella copri derived from rheumatoid arthritis patients.

P. copri derived from RA patients have a characteristic insertion sequence



collagen-induced arthritis model





zymosan-induced arthritis model

