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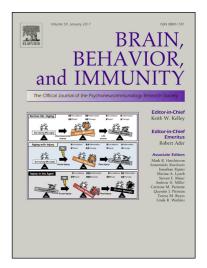
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Microbiota differences between commercial breeders impacts the post-stroke immune response.

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Highlights:

- The gut microbiota composition differs between C57BL/6 mice from different commercial breeders.
- The difference in the specific abundance of bacterial species correlates to the T cell polarization in gut associated lymphoid tissues.
- Microbiota-dependent T cell polarization affects the efficacy of immunomodulatory treatment using CD28 superagonist.

Abbreviations: T regulatory cells (Treg), gut-associated-lymphoid tissue (GALT), Peyer's patches (PP), Charles River Laboratories (CR), Taconic Biosciences (Tac), Harlan Laboratories (Har), The Jackson Laboratory (Jax), CD28 super-agonist (CD28SA), specific-pathogen-free (SPF), segmented filamentous bacteria (SFB), distal middle cerebral artery occlusion (dMCAo).

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