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Beneficial psychological effects of novel psychobiotics in diabetic rats: the interaction among the gut, blood, and amygdala

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**Title: Beneficial psychological effects of novel psychobiotics in diabetic rats: the interaction among the gut, blood, and amygdala**

**Running Title:** Psychological effects of novel psychobiotics in diabetes

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**Authorship:** MSA and MM wrote the study protocol and study design. MM and AB helped with preparation and replication of bacterial and inulin solutions and performing intervention phases. MM and MSA analyzed and interpreted the data and drew graphs. MM, KBV, and ESH helped with keeping rats and intervening. PS, MG and MMA assisted in harvesting of tissue and blood sampling. SSE and MM performed behavioral tests and analyzed and interpreted the related data. MM and MSA were involved in drafting the manuscript or revising it critically for content. All authors have given final approval of the version to be published.

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