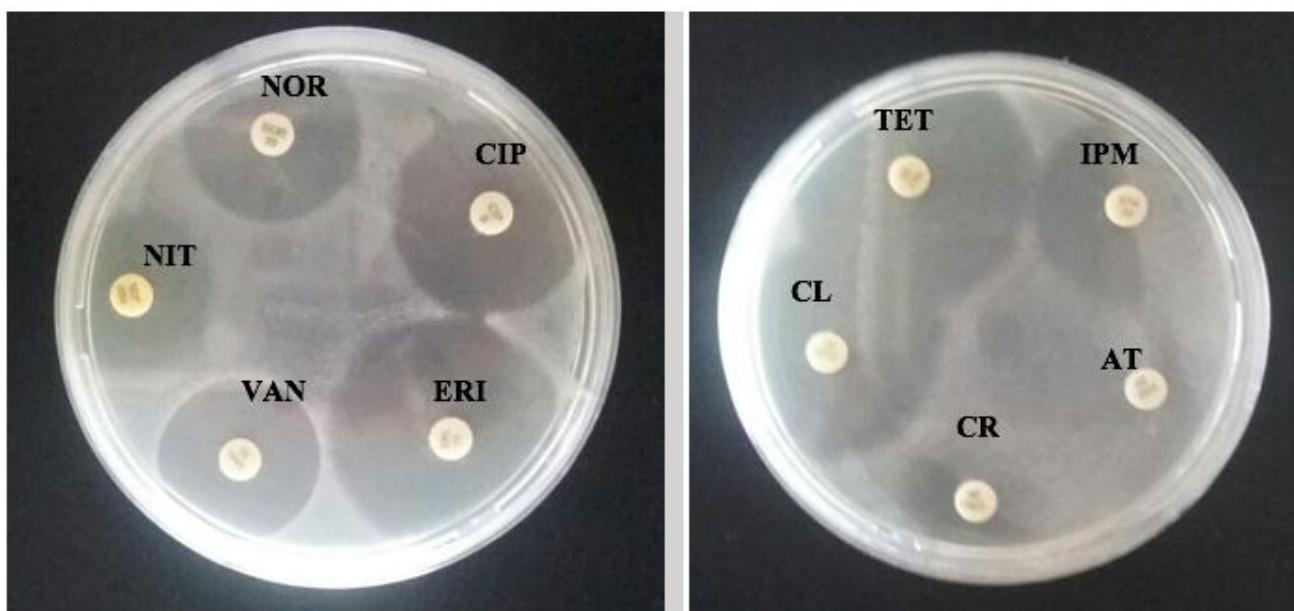


1 Article

2 **Isolation and Characterization of Potentially  
3 Probiotic Bacterial Strains from Mice: Proof of  
4 Concept for Personalized Probiotics**5 **Larissa S. Celiberto<sup>1,2</sup>, Roseli Aparecida Pinto<sup>1</sup>, Elizeu Antonio Rossi<sup>1</sup>,  
6 Bruce A. Vallance<sup>2,\*</sup> and Daniela C. U. Cavallini<sup>1,\*</sup>**7 <sup>1</sup> São Paulo State University (UNESP), School of Pharmaceutical Sciences,  
8 Department of Food and Nutrition, Araraquara, SP 14800-903, Brazil; larissasbaglia@gmail.com (L.S.C.);  
9 rosely@fcfar.unesp.br (R.A.P.); elizeurossi@yahoo.com.br (E.A.R.)10 <sup>2</sup> Division of Gastroenterology, Department of Pediatrics, BC Children's Hospital and the University of  
11 British Columbia, Vancouver, BC V5Z 4H4, Canada

12 \* Correspondence: bvallance@cw.bc.ca (B.A.V.); cavallinidc@fcfar.unesp.br (D.C.U.C.)

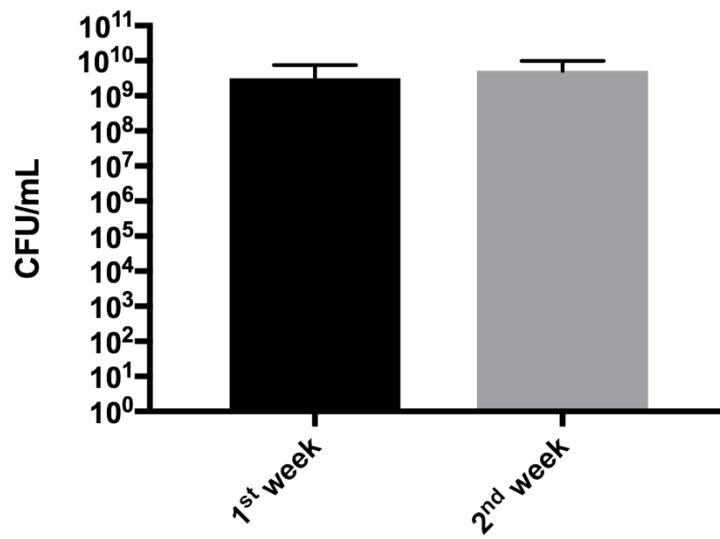
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14 **Supplementary Materials:**

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16 **Supplemental Figure S1.** Representative image of one selected strain challenged with different  
17 antibiotics. CRO=ceftriaxone 30 µg, IPM=imipenem 10 µg, ATM=aztreonam 30 µg,  
18 ERI=erythromycin 15 µg, VAN=vancomycin 30 µg, CLO=chloramphenicol 30 µg, TET=tetracycline  
19 30 µg, NIT=nitrofurantoin 300 µg, NOR=norfloxacin 10 µg e CIP=ciprofloxacin 5 µg.

### *L. rhamnosus GG*



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21      **Supplemental Figure S2.** Weekly average CFU counts of *Lactobacillus rhamnosus GG*. 1<sup>st</sup> week: before  
22      the DSS administration; 2<sup>nd</sup> week: During DSS administration. Values are represented as the average  
23      of four CFU counts along the week.

24

**Supplemental Table S1.** Weekly viability of the strains isolated from the DSS+PP group in log<sub>10</sub>CFU.

Animal	Strain	1 <sup>st</sup> week	2 <sup>nd</sup> week
1	<i>Bifidobacterium</i> spp.	9.23±0.02	9.97±0.02
	<i>Bifidobacterium</i> spp.	9.21±0.02	9.57±0.01
	<i>Lactobacillus</i> spp.	9.64±0.06	9.85±0.03
2	<i>Bifidobacterium</i> spp.	9.34±0.02	9.62±0.02
	<i>Bifidobacterium</i> spp.	9.00±0.03	9.35±0.02
	<i>Lactobacillus</i> spp.	9.22±0.03	9.19±0.02
3	<i>Bifidobacterium</i> spp.	9.52±0.03	9.80±0.01
	<i>Bifidobacterium</i> spp.	9.32±0.02	9.62±0.06
	<i>Lactobacillus</i> spp.	9.30±0.04	9.61±0.09
4	<i>Bifidobacterium</i> spp.	9.40±0.06	9.17±0.09
	<i>Bifidobacterium</i> spp.	9.94±0.02	9.17±0.06
	<i>Lactobacillus</i> spp.	9.66±0.01	9.62±0.02
5	<i>Bifidobacterium</i> spp.	9.28±0.02	9.91±0.02
	<i>Bifidobacterium</i> spp.	9.52±0.02	9.97±0.01
	<i>Lactobacillus</i> spp.	9.28±0.01	9.72±0.02
6	<i>Bifidobacterium</i> spp.	9.12±0.04	9.17±0.03
	<i>Bifidobacterium</i> spp.	9.18±0.01	9.76±0.01
	<i>Lactobacillus</i> spp.	9.83±0.03	9.90±0.06
7	<i>Bifidobacterium</i> spp.	9.62±0.08	9.70±0.03
	<i>Bifidobacterium</i> spp.	9.38±0.03	9.80±0.04
	<i>Lactobacillus</i> spp.	9.20±0.04	9.80±0.04
8	<i>Bifidobacterium</i> spp.	9.24±0.02	9.80±0.04
	<i>Bifidobacterium</i> spp.	9.22±0.06	9.77±0.02
	<i>Lactobacillus</i> spp.	9.90±0.04	9.96±0.02
9	<i>Bifidobacterium</i> spp.	9.25±0.02	9.50±0.02

	<i>Bifidobacterium</i> spp.	9.64±0.02	9.99±0.01
	<i>Lactobacillus</i> spp.	9.32±0.01	9.57±0.06
	<i>Bifidobacterium</i> spp.	9.40±0.02	9.66±0.05
10	<i>Bifidobacterium</i> spp.	9.62±0.04	9.62±0.04
	<i>Lactobacillus</i> spp.	9.50±0.08	9.90±0.02

25 Results correspond to the weekly average CFU counts ± standard deviation (SD) of each isolate from  
26 group DSS+PP.

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