

Supplementary information

***Bifidobacterium breve* M-16V alleviates cow's milk allergy by regulating gut microbiota and metabolites in human microbiota-associated mice**

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Supplementary Tables

Table S1. General characteristics of the CMA donors.

Donor	Donor-1	Donor-2	Donor-3
Sex	Male	Female	Male
Age, months	20	30	13
Weight, kg	9	13	10.5
Height, cm	81	95	78
Milk-sIgE, IU/mL	6.5	0.35	0.6
Allergic symptoms	Itchiness and eczema	Itchiness and eczema	Itchiness and eczema

Table S2. Scoring rules for anaphylactic symptoms.

Score	Symptoms
0	No symptoms
1	Scratching and rubbing around the nose and head
2	Puffiness around the eyes and mouth, pilar erection, reduced activity, and/or decreased activity with increased respiratory rate
3	Wheezing, labored respiration, and cyanosis around the mouth and the tail
4	No activity after prodding or tremor and convulsion
5	Death

Table S3. Primers used in quantitative polymerase chain reaction experiments.

Gene	Prime	Sequence (5'-3')
<i>Gapdh</i>	Forward	CCTGTTGCTGTAGCCGTATTCA
	Reverse	CCAGGTTGTCTCCTGCGACTT
<i>Zo-1</i>	Forward	CGAGGCATCATCCCAAATAAGAAC
	Reverse	TCCAGAAGTCTGCCCCGATCAC
<i>Occludin</i>	Forward	TTGAAAGTCCACCTCCTTACAGA
	Reverse	CCGGATAAAAAGAGTACGCTGG
<i>Claudin-1</i>	Forward	GCCTTGATGGTAATTGGCATCC
	Reverse	GGCCACTAATGTCGCCAGAC

Supplementary Figure

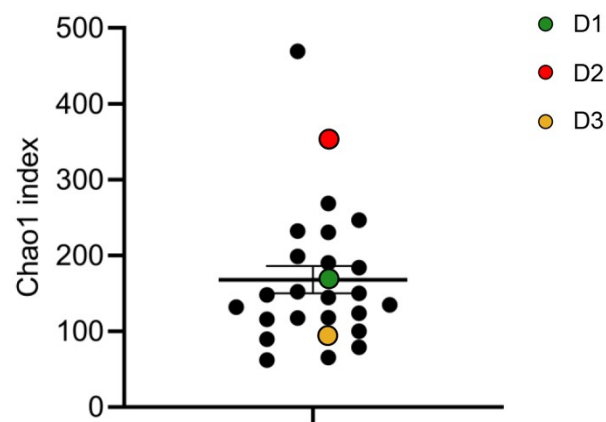


Figure S1. Chao1 index in the cohort of food allergy children, and the donors selected for fecal microbiota transplantation are marked with colored green, red, and yellow circles corresponding to donors 1, 2, and 3, respectively. D1: Donor-1; D2: Donor-2; D3: Donor-3.