

Species designation	Strain Name	IMG Genome ID or GenBank accession	Isolation source	Additional information
<i>Bifidobacterium adolescentis</i>	ATCC15703	GCA_000010425.1	Human feces	
<i>Bifidobacterium bifidum</i>	ATCC29521	GCA_001025135.1	Human infant feces	JCM 1255; DSM 20456
<i>Bifidobacterium bifidum</i>	PRL2010	GCA_000165905.1	Human infant feces	
<i>Bifidobacterium breve</i>	BR3	GCA_001281425.1	Human infant feces	
<i>Bifidobacterium breve</i>	DSM20213	GCA_001025175.1	Human infant feces	JCM 1192; LMG 13208; ATCC 15700; NCTC 11815
<i>Bifidobacterium dentium</i>	ATCC27678	GCA_000172135.1	Human feces	
<i>Bifidobacterium longum</i> subsp. <i>infantis</i>	ATCC15697	643348516	Human infant feces	JCM 1222; DSM 20088
<i>Bifidobacterium longum</i> subsp. <i>infantis</i>	UCD298	2503754025	Human infant feces	ATCC 25962; JCM 1210; DSM 20223
<i>Bifidobacterium longum</i> subsp. <i>infantis</i>	UCD299	2503754026	Human infant feces	ATCC 17930; JCM 1260; DSM 20218
<i>Bifidobacterium longum</i> subsp. <i>infantis</i>	UCD300	2503754027	Human infant feces	ATCC 15702; JCM 1272; DSM 20090
<i>Bifidobacterium catenulatum</i> subsp. <i>kashiwanohense</i>	JCM15439	GCA_001042615.1	Human infant feces	DSM 21854
<i>Bifidobacterium longum</i> subsp. <i>longum</i>	JCM1217	GCA_000196555.1	Human feces	
<i>Bifidobacterium longum</i> subsp. <i>longum</i>	JCM7052	GCA_015100215.1	Human feces	
<i>Bifidobacterium longum</i> subsp. <i>longum</i>	KCTC3128	GCA_017132775.1	Human feces	
<i>Bifidobacterium pseudocatenulatum</i>	DSM20438	GCA_001025215.1	Human infant feces	ATCC 27919; JCM 1200; LMG 10505
<i>Bifidobacterium longum</i> subsp. <i>suis</i>	JCM19995	GCA_017132755.1	Piglet feces	DSM 28597
<i>Bifidobacterium longum</i> subsp. <i>suis</i>	DSM20211	GCA_000771285.1	Pig feces	
<i>Gardnerella vaginalis</i>	ATCC14018	GCA_001042655.1	Human vaginal secretions	NCTC 10287; JCM 11026

Supplementary Table S1: *Bifidobacterium* strains and accession numbers used to construct the phylogeny.