

**Supplementary Table 2.** Primers used in qRT-PCR experiments.

Primer	Sequence (5'-3')	Targeted ORF/gene	Organism
BLAC1484Fw	CTCCAGCTCAAGAAGGTTGG	BLAC1484	<i>B. animalis</i> subsp. <i>lactis</i> DSM10140
BLAC1484Rv	ATGGTCTTCTACTGGACG	BLAC1484	<i>B. animalis</i> subsp. <i>lactis</i> DSM10140
BLAC1485Fw	CGGTCATCCAGGTCGATACT	BLAC1485	<i>B. animalis</i> subsp. <i>lactis</i> DSM10140
BLAC1485Rv	CACGGTATATGTGCGGTCAG	BLAC1485	<i>B. animalis</i> subsp. <i>lactis</i> DSM10140
BLAC1486Fw	GAGAACAAGCTGAGGGATGC	BLAC1486	<i>B. animalis</i> subsp. <i>lactis</i> DSM10140
BLAC1486Rv	CGTGGTATATGGGCAGGTTTC	BLAC1486	<i>B. animalis</i> subsp. <i>lactis</i> DSM10140
BDP0142Fw	CTCCACTGCGGCACGGTACT	BDP0142	<i>B. dentium</i> Bd1
BDP0142Rv	TTGCCGATGAGATGCGTGAA	BDP0142	<i>B. dentium</i> Bd1
BDP0143Fw	TTCCGATTCGGAAGCAACCA	BDP0143	<i>B. dentium</i> Bd1
BDP0143Rv	CCGTTTCATCAGCGCCATTC	BDP0143	<i>B. dentium</i> Bd1
BDP0144Fw	GGAAACTTTTCGCCGGCATC	BDP0144	<i>B. dentium</i> Bd1
BDP0144Rv	TCAGGTTGGCGTGTGTCAGC	BDP0144	<i>B. dentium</i> Bd1
BDP0197Fw	TCGTCTCCGACGGCTCAATC	BDP0197	<i>B. dentium</i> Bd1
BDP0197Rv	GGCCATGTTACAGAGGCTTG	BDP0197	<i>B. dentium</i> Bd1
BDP0198Fw	TCGAAGGTCATCGCCTCGTC	BDP0198	<i>B. dentium</i> Bd1
BDP0198Rv	CCAACGGGTCGTTGTCGAAC	BDP0198	<i>B. dentium</i> Bd1
BDP0199Fw	TTCCAGCCGAAATGCGTTGT	BDP0199	<i>B. dentium</i> Bd1
BDP0199Rv	CAACGTTTGCCGGTCTCACC	BDP0199	<i>B. dentium</i> Bd1
BDP0200Fw	TCGGCCAGACGCTGTCTTAC	BDP0200	<i>B. dentium</i> Bd1
BDP0200Rv	CGGAGACCTTGGTGCCATTG	BDP0200	<i>B. dentium</i> Bd1
BDP1999Fw	TCAAGCTGCCGAACATGCTG	BDP1999	<i>B. dentium</i> Bd1
BDP1999Rv	CGTTAACCGTCTCGCCATCG	BDP1999	<i>B. dentium</i> Bd1
BDP2000Fw	TGCCCTGGGTCTTCTTGCTG	BDP2000	<i>B. dentium</i> Bd1
BDP2000Rv	CCTGCAGAAGCCGCTGAAAA	BDP2000	<i>B. dentium</i> Bd1
BDP2002Fw	GACACACGATGCCCGAAAC	BDP2002	<i>B. dentium</i> Bd1
BDP2002Rv	ATCGCATCGGCGTGATTGAT	BDP2002	<i>B. dentium</i> Bd1

BAD1467Fw	ACGAGAAGGCTTTGTGCAGT	BAD1467	<i>B. adolescentis</i> ATCC 15703
BAD1467Rv	TGTACGCGGAGTAAGTGTGC	BAD1467	<i>B. adolescentis</i> ATCC 15703
BAD1468Fw	GACCAAGCCAACCAGTTCAT	BAD1468	<i>B. adolescentis</i> ATCC 15703
BAD1468Rv	TTGGTGGCCTTGTAGTAGCC	BAD1468	<i>B. adolescentis</i> ATCC 15703
BAD1470Rv	GTGCAGGTCATCAACGTCAG	BAD1470	<i>B. adolescentis</i> ATCC 15703
BAD1470Fw	TCAAAGTGATGGACGAGACG	BAD1470	<i>B. adolescentis</i> ATCC 15703
BBP1707FW	AACGCGCCACTGTCCTACAA	BBP1707	<i>B. bifidum</i> PRL2010
BBP1707RV	CCCTTGGCCTTGATGTAGCC	BBP1707	<i>B. bifidum</i> PRL2010
BBP1708Fw	CGGATACCGGATCACCATCA	BBP1708	<i>B. bifidum</i> PRL2010
BBP1708RV	GTTTCCTCGTCGTCCTTGG	BBP1708	<i>B. bifidum</i> PRL2010
BBP1709Fw	GGCGGAGAACGAATTGAAGG	BBP1709	<i>B. bifidum</i> PRL2010
BBP1709Rv	AGACGGAACCCTTCGTCTGC	BBP1709	<i>B. bifidum</i> PRL2010
BBP1820Fw	TTGTTGCCGTCTCTTGCACT	BBP1820	<i>B. bifidum</i> PRL2010
BBP1820Rv	GGCTCGATATCCGCAGAGTC	BBP1820	<i>B. bifidum</i> PRL2010
BBP1821Fw	CTGCGACGTTCACTGGTCTC	BBP1821	<i>B. bifidum</i> PRL2010
BBP1821 Rv	TGGTGCTATGAACGCGAACT	BBP1821	<i>B. bifidum</i> PRL2010
BBP1822 Fw	GCACTATGCTCGGTGCTGTC	BBP1822	<i>B. bifidum</i> PRL2010
BBP1822 Rv	ACGACCACATGGCTGATGAC	BBP1822	<i>B. bifidum</i> PRL2010
BBP0282Fw	GCGAACAATGATGGCACCTA	BBP0282	<i>B. bifidum</i> PRL2010
BBP0282Rv	GTCGAACACCACGACGATGT	BBP0282	<i>B. bifidum</i> PRL2010
BBP0283Fw	CACGGTGGAAAACAACCTGA	BBP0283	<i>B. bifidum</i> PRL2010
BBP0283 Rv	GGCGTTGTAGGTGATGGTGA	BBP0283	<i>B. bifidum</i> PRL2010
BBP0284Fw	CCCTAGCGCTCCAATACCAG	BBP0284	<i>B. bifidum</i> PRL2010
BBP0284Rv	CTGGCGAGTTTTGCGTTGTA	BBP0284	<i>B. bifidum</i> PRL2010
BD1- rpoB for	AAGACATCATCGCCACCATCAAGT	<i>rpoB</i>	<i>B. dentium</i> Bd1
BD1- rpoB rev	ATATCATCGACATCCACACGCAGA	<i>rpoB</i>	<i>B. dentium</i> Bd1
BD1- atpD rev	GGCCAAGGAACTGCTCGATCTTAC	<i>atpD</i>	<i>B. dentium</i> Bd1
BD1- atpD for	AACAAGGAGCTGCAGGACATCATC	<i>atpD</i>	<i>B. dentium</i> Bd1
BD1- ldh for	GATTCACCAATCAAGCCACAAAG	<i>ldh</i>	<i>B. dentium</i> Bd1
BD1- ldh rev	ATGTCTTCGAGCAGATCTCACG	<i>ldh</i>	<i>B. dentium</i> Bd1

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BBP_rpoB for	GTGCAGACCGACAGCTTCGAC	<i>rpoB</i>	<i>B. bifidum</i> PRL2010
BBP_rpoB rev	GAGATCTCGTTGAAGAACTCGTC	<i>rpoB</i>	<i>B. bifidum</i> PRL2010
BBP_atpD for	CAGAGCCGATCAATGGACGTG	<i>atpD</i>	<i>B. bifidum</i> PRL2010
BBP_atpD rev	GTGCTGCTCGACCTCAAGCGTGAT	<i>atpD</i>	<i>B. bifidum</i> PRL2010
BBP_ldh for	CACCATGAACAGGAACAAAGTTG	<i>ldh</i>	<i>B. bifidum</i> PRL2010
BBP_ldh rev	GAATGATCGATGAGTACGAGCTC	<i>ldh</i>	<i>B. bifidum</i> PRL2010
BLA0atpDFw	CGGCGAGGAAGACAAGACCA	<i>atpD</i>	<i>B. animalis</i> subsp. <i>lactis</i> DSM10140
BLA0atpDRv	TCTCCTCCGACGGCACGTAG	<i>atpD</i>	<i>B. animalis</i> subsp. <i>lactis</i> DSM10140
BLArpoBFw	GTGGGCGAGCTGATCCAGAA	<i>rpoB</i>	<i>B. animalis</i> subsp. <i>lactis</i> DSM10140
BLArpoBRv	GATGAGTGACTGCGGCGTGA	<i>rpoB</i>	<i>B. animalis</i> subsp. <i>lactis</i> DSM10140
BLAldhFw	GGCAAGCACTGCACCGAGTT	<i>ldh</i>	<i>B. animalis</i> subsp. <i>lactis</i> DSM10140
BLAldhRv	CCATATTCGCCGGTGAGCAG	<i>ldh</i>	<i>B. animalis</i> subsp. <i>lactis</i> DSM10140
BADatpFW	TCGAAACCGGTATCAAGGTC	<i>atpD</i>	<i>B. adolescentis</i> ATCC 15703
BADatpRv	CGCTGAATCATTTCCTGGAT	<i>atpD</i>	<i>B. adolescentis</i> ATCC 15703
BADldhFW	CTACTCTCGCTTTCGCTGCT	<i>ldh</i>	<i>B. adolescentis</i> ATCC 15703
BADldhRv	ATGGTCACGGTCGGATAGAA	<i>ldh</i>	<i>B. adolescentis</i> ATCC 15703
BADrpoFw	CTTCTCCGATCCGTACTIONG	<i>rpoB</i>	<i>B. adolescentis</i> ATCC 15703
BADrpoRv	CACGGTCTGGGACTTGATTT	<i>rpoB</i>	<i>B. adolescentis</i> ATCC 15703

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