

species	pid	gene	function	species	pid	gene	function
Bacha	15614990	<i>rpsB</i>	30S ribosomal protein S2	Bacsu	16078712	<i>rpsB</i>	ribosomal protein S2
Bacha	15614989	<i>tsf</i>	elongation factor Ts	Bacsu	16078713	<i>tsf</i>	elongation factor Ts
Bacha	15614988	<i>smBA</i>	uridylylate kinase	Bacsu	16078714	<i>smBA</i>	uridylylate kinase
Bacha	15614987	<i>frr</i>	ribosome recycling factor	Bacsu	16078715	<i>frr</i>	ribosome recycling factor
Bacha	15614986	<i>uppS</i>	undecaprenyl pyrophosphate synthetase	Bacsu	16078716	<i>yluA</i>	–
Bacha	15614985	<i>cdsA</i>	phosphatidate cytidylyltransferase	Bacsu	16078717	<i>cdsA</i>	phosphatidate cytidylyltransferase (CDP-diglyceride synthase)
Bacha	15614984	<i>BH2421</i>	1-deoxy-d-xylulose-5-phosphate reductoisomerase	Bacsu	16078718	<i>yluB</i>	–
Bacha	15614983	<i>BH2420</i>	–	Bacsu	16078719	<i>yluC</i>	–
Bacha	15614982	<i>proS</i>	prolyl-tRNA synthetase	Bacsu	16078720	<i>proS</i>	prolyl-tRNA synthetase
Bacha	15614981	<i>polC</i>	DNA polymerase III (alpha subunit)	Bacsu	16078721	<i>polC</i>	DNA polymerase III (alpha subunit)
Bacha	15614980	<i>BH2417</i>	–	Bacsu	16078722	<i>ylxS</i>	–
Bacha	15614979	<i>nusA</i>	transcriptional terminator	Bacsu	16078723	<i>nusA</i>	–
Bacha	15614978	<i>BH2415</i>	–	Bacsu	16078724	<i>ylxR</i>	–
Bacha	15614977	<i>BH2414</i>	–	Bacsu	16078725	<i>ylxQ</i>	–
Bacha	15614976	<i>infB</i>	translation initiation factor IF-2	Bacsu	16078726	<i>infB</i>	initiation factor IF-2
Bacha	15614975	<i>BH2412</i>	–	Bacsu	16078727	<i>ylxP</i>	–
Bacha	15614974	<i>rbfA</i>	ribosome-binding factor A	Bacsu	16078728	<i>rbfA</i>	ribosome-binding factor A
Bacha	15614973	<i>truB</i>	tRNA pseudouridine 5S synthase	Bacsu	16078729	<i>truB</i>	tRNA pseudouridine 5S synthase
Bacha	15614972	<i>ribC</i>	riboflavin kinase / FAD synthase	Bacsu	16078730	<i>ribC</i>	riboflavin kinase
Bacha	15614971	<i>rpsO</i>	30S ribosomal protein S15	Bacsu	16078731	<i>rpsO</i>	ribosomal protein S15 (BS18)
Bacha	15614970	<i>pnpA</i>	polynucleotide phosphorylase	Bacsu	16078732	<i>pnpA</i>	polynucleotide phosphorylase (PNPase)
Bacha	15614969	<i>BH2406</i>	–	Bacsu	16078733	<i>ylxY</i>	–
Bacha	15614968	<i>BH2405</i>	processing protease	Bacsu	16078734	<i>ymxG</i>	–
Bacha	15614967	<i>BH2404</i>	–	Bacsu	16078735	<i>ymxH</i>	–
Bacha	15614966	<i>spoVFA</i>	dipicolinate synthase subunit A	Bacsu	16078736	<i>spoVFA</i>	dipicolinate synthase subunit A
Bacha	15614965	<i>spoVFB</i>	dipicolinate synthase subunit B	Bacsu	16078737	<i>spoVFB</i>	dipicolinate synthase subunit B
Bacha	15614964	<i>asd</i>	aspartate-semialdehyde dehydrogenase	Bacsu	16078738	<i>asd</i>	aspartate-semialdehyde dehydrogenase
Bacha	15614963	<i>dapG</i>	aspartokinase I (alpha and beta subunits)	Bacsu	16078739	<i>dapG</i>	aspartokinase I (alpha and beta subunits)
Bacha	15614962	<i>dapA</i>	dihydrodipicolinate synthase	Bacsu	16078740	<i>dapA</i>	dihydrodipicolinate synthase
Bacha	15614961	<i>BH2398</i>	–	Bacsu	16078741	<i>ymfA</i>	–

**Table 2. The longest synteny block in SynteBase.**

Bacha = *Bacillus halodurans*

Bacsu = *Bacillus subtilis*