

Table S-3. Eight genomic regions present in all *Brucella* but not in *B. inopinata* BO1 or *B. inopinata*-like BO2.

Region	PATRIC locus tag	RefSeq	Protein Name	Size (aa)
1	<i>Brucella suis</i> 1330 chromosome 1 (NC_004310) 76108..81946			
	VBIBruSui107850_0073	BR0070	DNA polymerase-like protein PA0670	5838
	VBIBruSui107850_0074	BR0071	hypothetical protein related to DNA replication/repair	
	VBIBruSui107850_0075	BR0072	CELL SURFACE PROTEIN	
	VBIBruSui107850_0076	BR0073	hypothetical protein	
2	<i>Brucella suis</i> 1330 chromosome 1 (NC_004310) 513096..534885			
	VBIBruSui107850_r006		tRNA-Gln-TTG	21789
	VBIBruSui107850_0530	BR0514	TRANSPOSASE	
	VBIBruSui107850_0531		Transposase	
	VBIBruSui107850_0532		hypothetical protein	
	VBIBruSui107850_0533		TRANSPOSASE	
	VBIBruSui107850_0534		hypothetical protein	
	VBIBruSui107850_0535	BR0517	formyltransferase, putative	
	VBIBruSui107850_0536	BR0518	Wbkb protein	
	VBIBruSui107850_0537	BR0519	O-antigen export system, ATP-binding protein	
	VBIBruSui107850_0538	BR0520	O-antigen export system permease protein RfbD	
	VBIBruSui107850_0539	BR0521	Perosamine synthase	
	VBIBruSui107850_0540	BR0522	GDP-mannose 4,6 dehydratase	
	VBIBruSui107850_0541	BR0523	ISBm1, transposase orfA	
	VBIBruSui107850_0542		TRANSPOSASE	
	VBIBruSui107850_0543		Transposase	
	VBIBruSui107850_0544	BR0527	IS711, transposase orfB	
	VBIBruSui107850_0545	BR0528	TRANSPOSASE	
	VBIBruSui107850_0546	BR0529	MANNOSYLTRANSFERASE	
	VBIBruSui107850_0547	BR0530	ISS family element, transposase orfA	
	VBIBruSui107850_0548	BR0531	TRANSPOSASE	
	VBIBruSui107850_0549		hypothetical protein	
	VBIBruSui107850_0550		TRANSPOSASE	
	VBIBruSui107850_0551		hypothetical protein	
	VBIBruSui107850_0552	BR0533	ISBm1, transposase orfA	
	VBIBruSui107850_0554	BR0534	TRANSPOSASE	
	VBIBruSui107850_0555		TRANSPOSASE	
	VBIBruSui107850_0556	BR0537	Phosphomannomutase	
	VBIBruSui107850_0557	BR0538	Mannose-1-phosphate guanylyltransferase (GDP)	
	VBIBruSui107850_0558	BR0539	Mannose-6-phosphate isomerase	
	VBIBruSui107850_0559	BR0540	Glycosyltransferase	
3	<i>Brucella suis</i> 1330 chromosome 1 (NC_004310) 1582239..1590683			
	VBIBruSui107850_1663	BR1635	hypothetical protein	8444
	VBIBruSui107850_1664		Oxidoreductase, GMC family	
	VBIBruSui107850_1665	BR1637	hypothetical protein	
	VBIBruSui107850_1666	BR1638	hypothetical protein	
	VBIBruSui107850_1667		hypothetical protein	
4	<i>Brucella suis</i> 1330 chromosome 1 (NC_004310) 1929792..1935078			
	VBIBruSui107850_2044	BR2008	hypothetical protein	5286
	VBIBruSui107850_2045	BR2009	intimin/invasin family protein	
	VBIBruSui107850_2046	BR2010	hypothetical protein	
	VBIBruSui107850_2047	BR2012	hypothetical protein	
5	<i>Brucella suis</i> 1330 chromosome 1 (NC_004310) 1967050..1976665			
	VBIBruSui107850_2077	BR2043	3-oxoacyl-[acyl-carrier protein] reductase	9615
	VBIBruSui107850_2078	BR2044	Glucose-methanol-choline (GMC) oxidoreductase:NAD binding site	
	VBIBruSui107850_2079	BR2045	L-sorbose dehydrogenase, NAD(P) dependent	
	VBIBruSui107850_2080	BR2046	3-hydroxybutyryl-CoA dehydratase	
	VBIBruSui107850_2081	BR2047	Acetyl-CoA:acetoacetyl-CoA transferase alpha subunit	

VBIBruSui107850_2082	BR2048	GLUCOSE-FRUCTOSE OXIDOREDUCTASE
VBIBruSui107850_2083	BR2049	Transcriptional regulator, LacI family
VBIBruSui107850_2084	BR2050	Conserved hypothetical protein potentially related to ribose or hydroxymethylpyrimidine metabolism

6	<i>Brucella suis</i> 1330 chromosome 1 (NC_004311) 24331..32313		
	VBIBruSui107850_2249	BRA0027	Branched-chain amino acid transport ATP-binding protein LivG (TC 3.A.1.4.1)
	VBIBruSui107850_2250	BRA0028	Branched-chain amino acid transport ATP-binding protein LivF (TC 3.A.1.4.1)
	VBIBruSui107850_2251	BRA0029	Lactoylglutathione lyase
	VBIBruSui107850_2252	BRA0030	3-oxoacyl-[acyl-carrier protein] reductase
	VBIBruSui107850_2253	BRA0031	Gluconate 5-dehydrogenase
	VBIBruSui107850_2254	BRA0032	Branched-chain alpha-keto acid dehydrogenase, E1 component, alpha subunit / Branched-chain alpha-keto acid dehydrogenase, E1 component, beta subunit
	VBIBruSui107850_2255	BRA0033	Dihydrolipoamide acyltransferase component of branched-chain alpha-keto acid dehydrogenase complex
	VBIBruSui107850_2256	BRA0034	Shikimate 5-dehydrogenase I alpha # AroDI alpha
			7982

7	<i>Brucella suis</i> 1330 chromosome 1 (NC_004311) 460539.. 462108		
	VBIBruSui107850_2694	BRA0474	DNA-binding response regulator GltR, controls specific porins for the entry of glucose
	VBIBruSui107850_2695	BRA0475	hypothetical protein
	VBIBruSui107850_2696	BRA0476	hypothetical protein
	VBIBruSui107850_2697	BRA0477	hypothetical protein
			1569

8	<i>Brucella suis</i> 1330 chromosome 1 (NC_004311) 669006.. 671020		
	VBIBruSui107850_2901		Putrescine transport ATP-binding protein PotG (TC 3.A.1.11.2)
	VBIBruSui107850_2902		Putrescine transport ATP-binding protein PotG (TC 3.A.1.11.2)
	VBIBruSui107850_2903	BRA0691	cell processes; transport of small molecules
			2014