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Bartonella spp. Infections Identified by Molecular Methods, United States

Appendix

Additional Methods

Diagnostic Reporting Criteria

When reporting results of clinical diagnostic tests, the laboratory standard operating procedure provides for reporting the most specific taxonomic rank possible on the basis of sequencing results, availability of published sequences, and species defined as validly published by the International Code of Nomenclature of Bacteria [Bacteriological Code]. For clinical diagnostic purposes, the laboratory does not report species with *Candidatus* status or those that are effectively published but not validly published under the Bacteriological Code. Detected organisms without a validly published species name may be reported at the genus rank (e.g., *Bartonella* sp.) or as related to a validly published organism (e.g., *Bartonella* sp. related to *B. quintana*).

Appendix Table. Taxonomic identification quality metrics for selected bacteria in study of Bartonella spp. infections identified by molecular methods, USA*

Species	Accession no.†	Trimmed length	Top BLAST hits		% Identity (alignment length)	Other top BLAST hits		% Identity (alignment length)
			Species	RefSeq accession no.‡		Species	Accession no.†	
<i>B. washoensis</i>	ON402466	290	<i>B. washoensis</i>	NZ_UAQI01000042 (R)	100.0 (290)	<i>B. jaculi</i> <i>Candidatus B. mayotimonensis</i>	AB602528 HM636441	99.2 (258) 98.3 (290)
			<i>B. washoensis</i>	NZ_JH725101-3 (R)	100.0 (290)			
			<i>B. massiliensis</i>	NZ_CABFVS010000059 (T)	98.6 (290)			
			<i>B. birtlesii</i>	NZ_CM001557 (T)	98.6 (290)			
			<i>B. koehlerae</i>	NR_024932 (T)	98.6 (290)			
			<i>B. grahamii</i>	NR_029366 (T)	98.6 (290)			
<i>Candidatus B. mayotimonensis</i>	ON402516	281	<i>B. senegalensis</i>	NZ_HE997546 (T)	99.3 (281)	<i>Candidatus B. mayotimonensis</i> <i>B. schoenbuchensis</i>	FJ376733 AJ278188-90	100.0 (281) 98.6 (281)
			<i>B. quintana</i>	NR_044748 (T)	99.3 (281)			
			<i>B. birtlesii</i>	NZ_CM001557 (T)	98.9 (282)			
			<i>B. vinsonii</i>	NZ_CADEAE010000020 (T)	98.9 (281)			
			<i>B. grahamii</i>	NR_029366 (T)	98.6 (281)			
			<i>B. massiliensis</i>	NZ_CABFVS010000059 (T)	98.6 (282)			
<i>Bartonella</i> sp.	ON402515	253	<i>B. doshaiae</i>	NR_029366 (T)	98.6 (281)	<i>B. grahamii</i> <i>Candidatus B. mayotimonensis</i> <i>B. grahamii</i>	AB426634 FJ376733 NC_012846	99.2 (249) 98.8 (253) 98.8 (253)
			<i>B. vinsonii</i>	NZ_JH725037 (T)	98.8 (253)			
			<i>B. grahamii</i>	NR_029366 (T)	98.8 (253)			
			<i>B. doshaiae</i>	NZ_JAGY01000010 (T)	98.4 (253)			
			<i>B. birtlesii</i>	NR_025051 (T)	98.4 (253)			
			<i>B. henselae</i>	NC_005956 (T)	98.4 (253)			

*Bartonella spp. sequences from specimens were deposited in GenBank and analyzed by using BLAST (<https://blast.ncbi.nlm.nih.gov>). Trimmed and alignment lengths represent the number of nucleotides.

†GenBank accession numbers.

‡Accession numbers from GenBank RefSeq sequence database (<https://www.ncbi.nlm.nih.gov/refseq>). T indicates sequence from type strain material and R indicates non-type strain RefSeq records.