Alternative Routes of Zoonotic Vaccinia Virus Transmission, Brazil

Technical Appendix

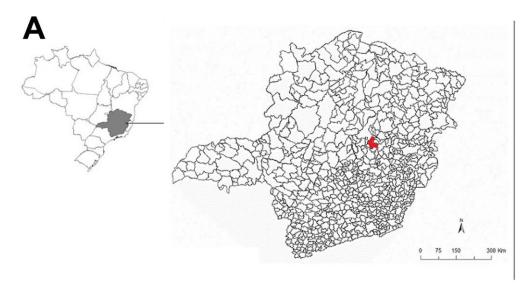
Technical Appendix Table 1. Epidemiologic data for 5 family members regarding exposure to vaccinia virus, Brazil

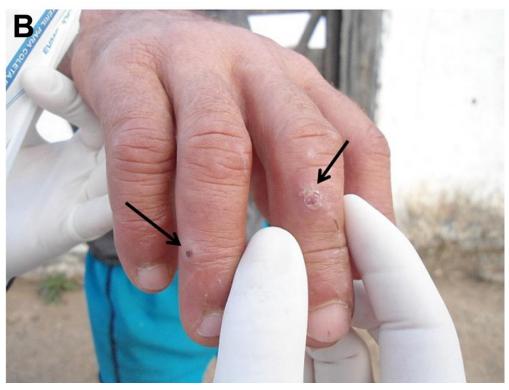
	Patient							
Characteristic	Father	Mother	Twin daughter	Twin daughter	Daughter			
Occupation	Rural worker	Rural worker	Student	Student	Student			
Contact with cows and horses	Yes	Yes	No	No	No			
Contact with the environment	No	No	No	No	No			
Vaccinated	Yes	Yes	No	No	No			
Consumption of raw milk/cheese	Yes	Yes	Yes	Yes	Yes			
Milked cows	Yes	No	No	No	No			
Cheese production	Yes	Yes	No	No	No			

Technical Appendix Table 2. Diagnostic results for 5 patients exposed to vaccinia virus, Brazil*

		Serologic result	Quantitative PCR result		Standard PCR result		
Patient	Virus isolation	(neutralizing units/mL)	vgf	ha	vgf	ati†	ha
Father	-	+ (800)	+	+	+	+	_
Mother	ND	+ (3,200)	+	+	_	-	_
Twin daughter	ND	- ·	_	+	_	+	_
Twin daughter	ND	_	+	_	_	-	_
Daughter	ND	+ (800)	_	_	_	+	_

^{*}PCR was performed with serum and swab samples from patient A. Other PCRs were performed only with serum samples. *vgf*, virus growth factor gene; *ha*, hemagglutinin gene; *ati*, A-type inclusion gene; –, negative; +, positive; ND, not done.
†By seminested PCR.





Technical Appendix Figure. A) Minais Gerais, Brazil (gray area) and Serro City (red area). B) Lesions (arrows) on the hands of a family member (father). These lesions were similar to those observed during outbreaks of bovine vaccinia, Brazil.