















## Science in the name of justice

- Use tools
- Gain knowledge
- Get answers
- Impact society



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11.5 octillion times more probable than a coincidental match to an unrelated Southwest Hispanic person





















26 Match statistics							
Item Vaginal swabs	Victim 27.60	Suspect 29.94	Brother 11.84	Defendant	Suspect		







			28			
Anal swabs vs. defendant						
Number of contributors	Assumed references	Average match statistic				
3	none	-23.77				
3	suspect	-28.13				
3	suspect, victim	-33.56				
3	suspect, brother	-39.67				
4	suspect, victim, brother	-1.99				



A match between the vaginal swabs (Item 01.001) and <u>defendant</u> (Item 05.001) is: 6.31 quadrillion times *less* probable than a coincidental match to an unrelated African-American person, 67.1 quadrillion times *less* probable than a coincidental match to an unrelated Caucasian person, 22.8 quadrillion times *less* probable than a coincidental match to an unrelated Southeast Hispanic person, and



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study. Journal of Forensic Sciences, 60(5):1263-1276, 2015.

