

Online Resource 5 5S and 45S rDNA amplification by PCR. Two bands (x = 372 bp and y = 528 bp) were obtained for the 5S rDNA marker, and one band (620 pb) for the 45S rDNA marker. Sizes were estimated with GelAnalyzer since no *Armatocereus mataranus* subsp. *ancashensis* genome sequence is published.

