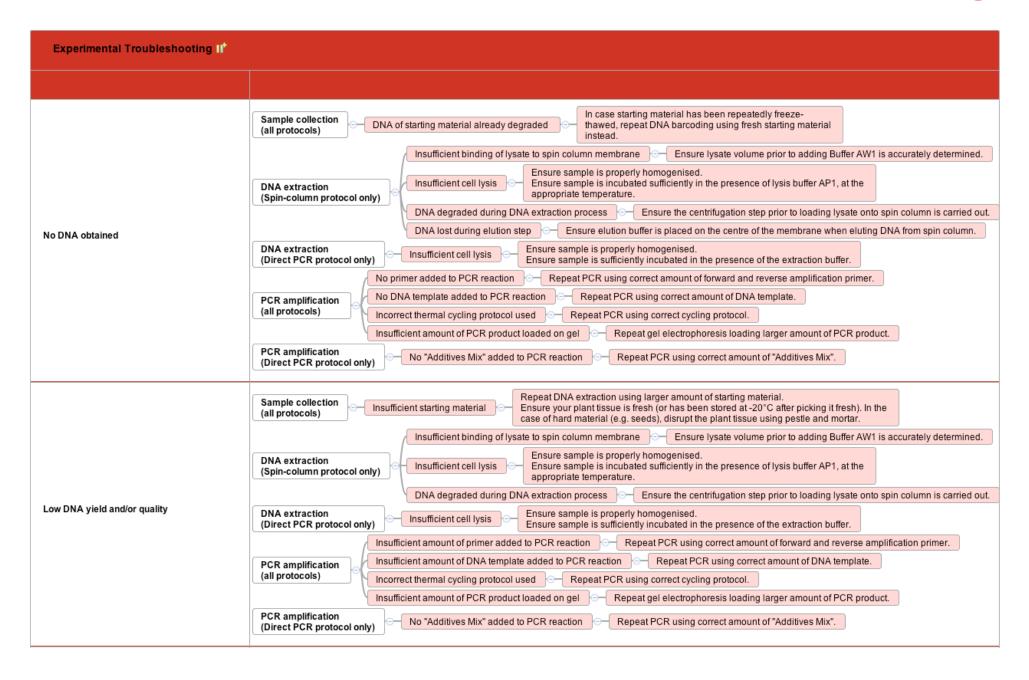
DNA Barcoding

ELLS Troubleshooting Guide



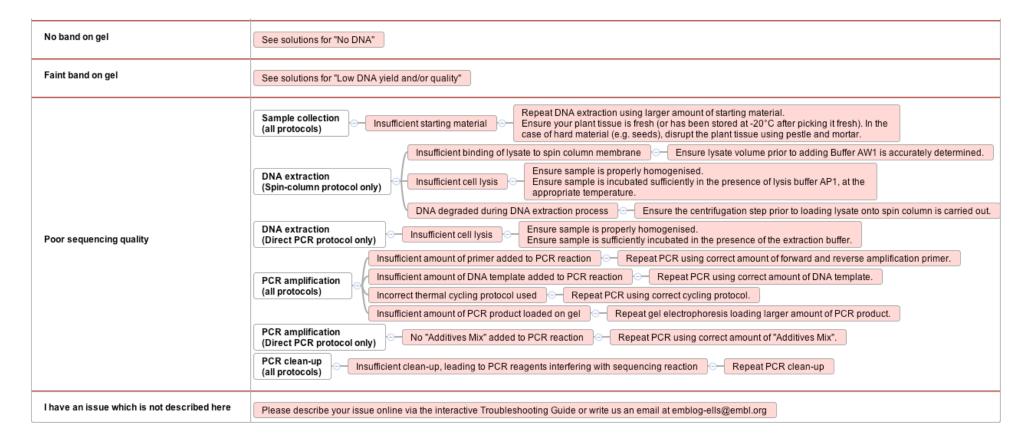
Experimental Troubleshooting





Experimental Troubleshooting, contd.





Sequence Analysis Troubleshooting



Sequence Analysis Troubleshooting ut		
Issue with number of sequences returned	I did not get any sequences back No sequence analysis possible No sequence analysis possible No DNA obtained and Poor sequencing quality	
	I only got one out of two sequences back Use single seq. read for further analysis For further solutions see "Experimental troubleshooting" > "Poor sequencing quality"	
Issue with sequence coverage (length) and/or quality	My sequence(s) are short and don't cover the whole barcode Use short sequence(s) for further analysis - "Poor sequencing quality"	
	My sequence(s) have poor quality (as seen in chromatogram) — Only use sequence(s) with reliable chromatogram(s) — For further solutions see "Experimental troubleshooting" > "Poor sequencing quality"	
Issue with contig assembly	Contig assembly is impossible — Use single seq. read for further analysis — For further solutions see "Experimental troubleshooting" > "Poor sequencing quality"	
Issue with ENA search	ENA search results are unclear or not as expected See solutions at "ENA Search Troubleshooting"	
I have an issue which is not described here	Please describe your issue online via the interactive Troubleshooting Guide or write us an email at emblog-ells@embl.org	

ENA Search Troubleshooting



ENA Search Troubleshooting nf	
Incorrect organism identification	Sequence information insufficient for database Single species incorrectly identified No ENA entry for organism No identification via ENA possible at the moment. Come back later to check for new entries. Use phenotypic characteristics of organism for species identification. Expected species is only identified to genus level Sequence information insufficient for database Ensure contig is assembled correctly Ensure contig is assembled correctly Ensure contig is assembled correctly To improve sequence coverage and quality see solutions to "Experimental Troubleshooting" > "Poor sequence quality" No ENA entry for organism No identification via ENA possible at the moment. Come back later to check for new entries. Use phenotypic characteristics of organism for species identification.
Multiple top hits (entries with identical ENA values)	Unable to distinguish between different species of the same genus Sequence information insufficient for database
I have an issue which is not described here	Please describe your issue via the interactive Troubleshooting Guide or write us an email at emblog-ells@embl.org

