

- **Species: Cinnamomum Zeylanicum**
- **Data size: 1GB**
- **Comparison between ITSx and ITSxpress output obtained using contigs as input**

1. ITSx - Output (ITSx_outptut.full.fasta)

- There is one sequence found in the output.
- The BLAST results for the sequence contained the ITS regions of Cinnamomum species. (Cinnamomum verum)
- 99.9 % similarity found for Cinnamomum verum in the blast results.
- **GC content : 70.6% - 71%**

2. ITSxpress - Output (ITSxpress_outptut.fastq)

- Only one sequence found in the output.
- The BLAST results for only one sequence contained the ITS regions of Cinnamomum species. (Cinnamomum verum)
- 99.9 % similarity found for Cinnamomum verum and in the blast results.
- **GC content : 70.6% - 71%**

3. Comparison done using multiple alignment

- The only ITSx output sequence that contained the ITS regions of Cinnamomum species when blasting and the only ITSxpress output sequence that contained the ITS regions of Cinnamomum species when blasting were aligned using the MAFFT algorithm.

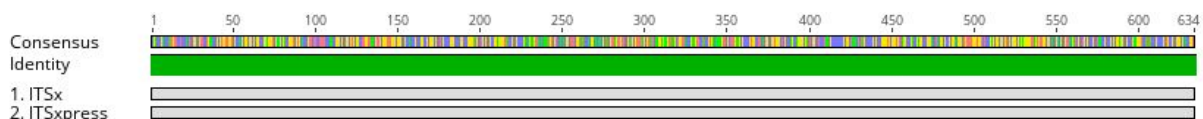


Figure1: Alignment view

Distance matrix

	ITSx	ITSxpress
ITSx		0
ITSxpress	0	

- According to the above distance matrix, there is no difference in the results obtained from ITSx and ITSxpress using contigs as input.