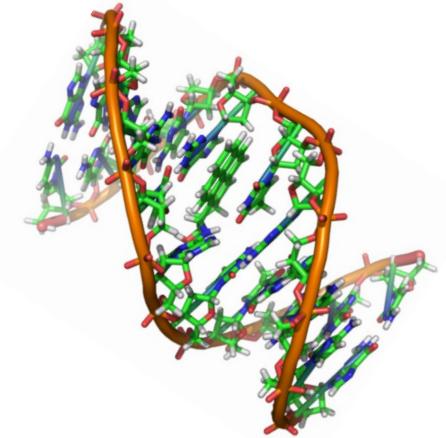


MeBOP

Middle Eastern Biology of Parasitism

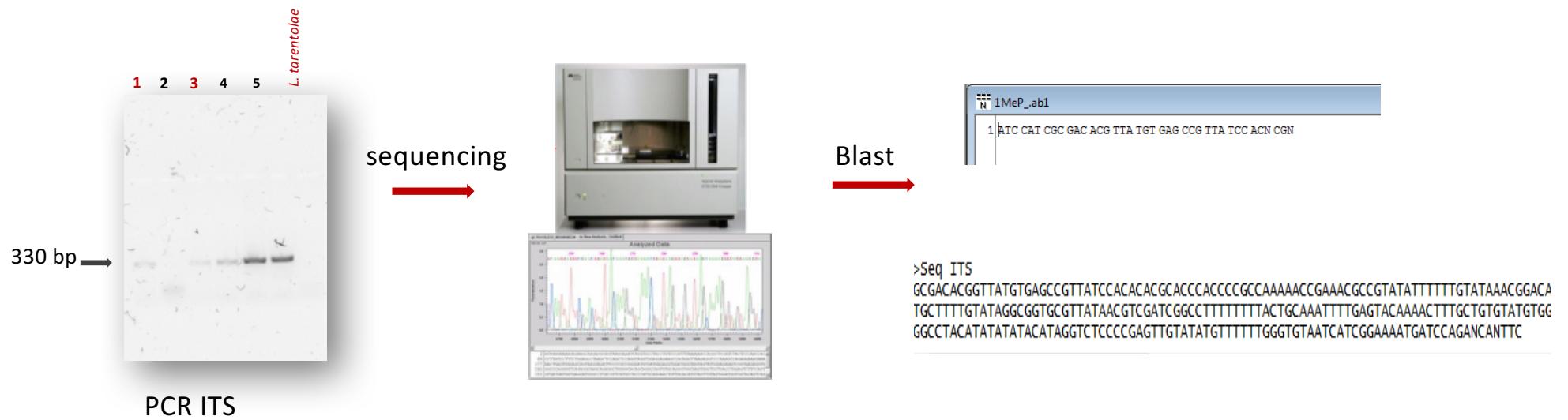
For students in the Middle East, North and Sub-Saharan Africa

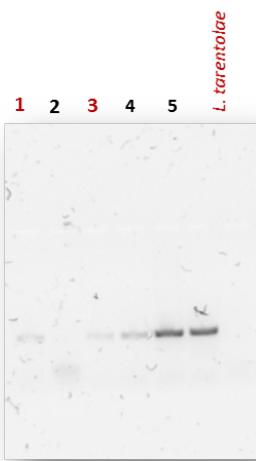


DNA sequencing

**Salama Al Hamidhi
& Imen Mkada**

PCR-ITS, sequencing & Blast

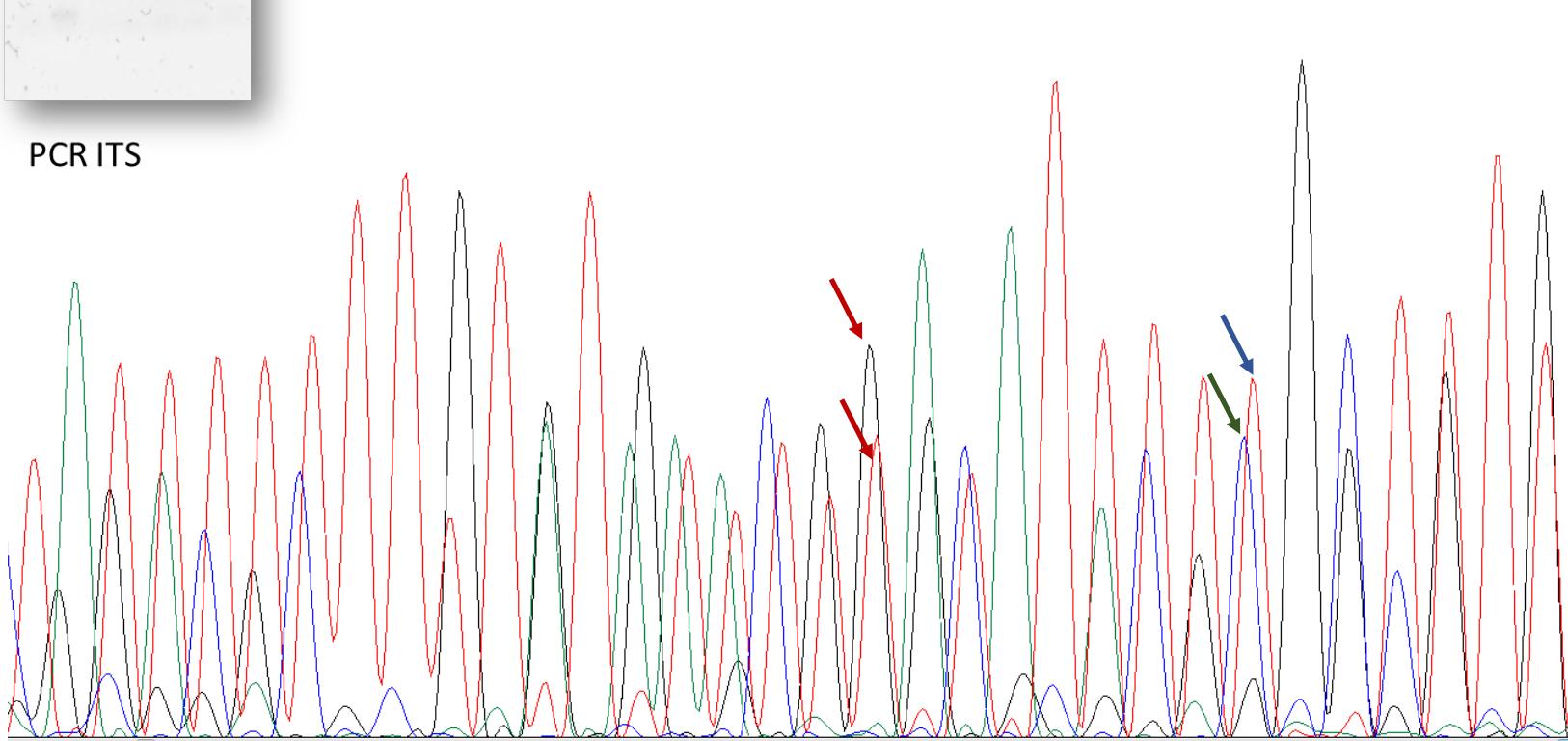


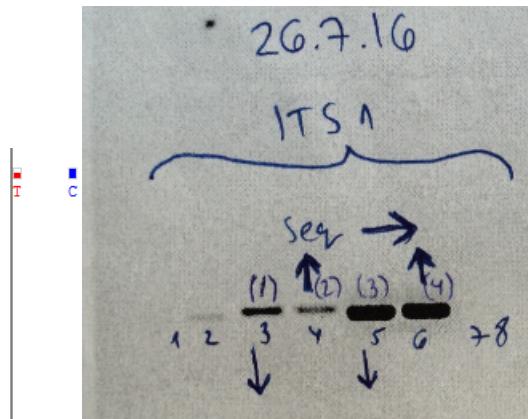


1MeP_ab1

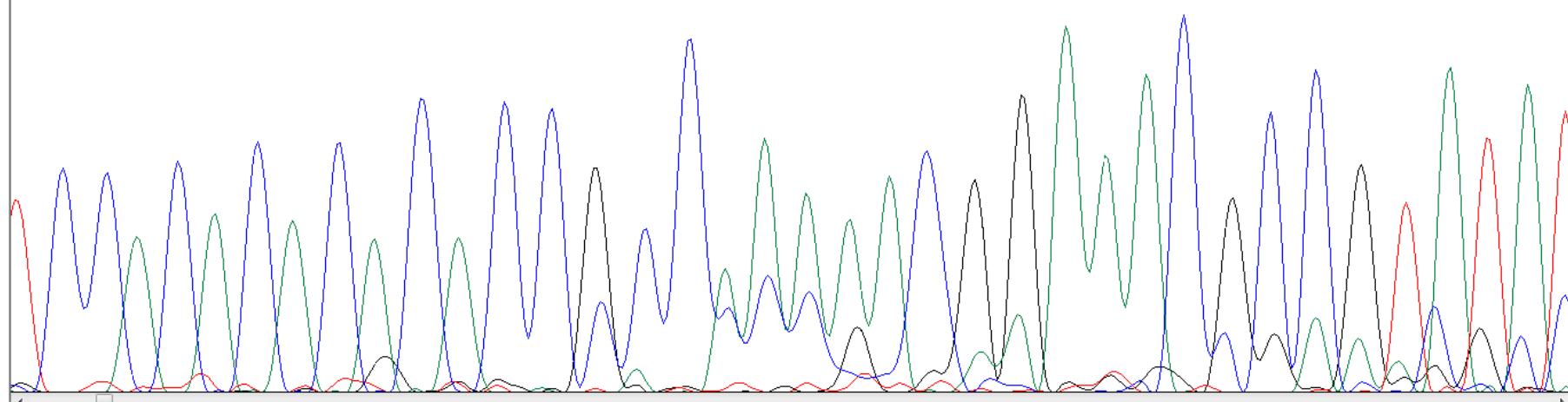
1 ATC CAT CGC GAC ACG TTA TGT GAG CCG TTA TCC ACN CGN

PCR ITS





PCR-ITS



Sequence

>Seq ITS

GCGACACGGTTATGTGAGCCGTTATCCACACACGCACCCACCCCGCCAAAACCGAAACGCCGTATATTGTATAAACGGACA
TGCTTTGTATAGGCGGTGCGTTATAACGTCGATGCCCTTTTTACTGCAAATTGAGTACAAAATTGCTGTGTATGTGG
GGCCTACATATATACATAGGTCTCCCGAGTTGTATATGTTTTGGGTGAATCATCGGAAATGATCCAGANCANTTC

40	C	C	G	C	C	N	A	A	A	A	A	C	G	G	A	A	A	C	G	C	C	G	T	A	A	T
----	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

50	C	C	G	C	C	N	A	A	A	A	A	C	G	G	A	A	A	C	G	C	C	G	T	A	A	T
----	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

60	C	C	G	C	C	N	A	A	A	A	A	C	G	G	A	A	A	C	G	C	C	G	T	A	A	T
----	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

All results

Groups		Samples	Density of the band	Chromatographe	Identity %	Species
Mebop 1	1	Unknown	+	2 peak		
	2	Unknown	+	1 peak	231/254(91%)	<i>L. tarentolae</i>
Mebop 2	3	Unknown	+	1 peak	283/284(99%)	<i>L. major</i>
	4	C+ / <i>L. tropica</i>	+	1 peak	267/270(99%)	<i>L. tropica</i>
Mebop 3	5	Unknown	+	1 peak	265/265(100%)	<i>L. donovani</i>
	6	C+ / <i>L. infantum</i>	+	1 peak	259/259(100%)	<i>L. donovani</i>
Mebop 4	7	Unknown	++	2 peak		
	8	Unknown	+	2 peak		
	9	C+ / <i>L. tropica</i>	+++	2 peak		
Mebop 5	10	Unknown	+	1 peak	255/255(100%)	<i>L. donovani</i>