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Supplemental information

**An intraspecies *Leishmania donovani*
hybrid from the Indian subcontinent is associated
with an atypical phenotype of cutaneous disease**

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A

Age and sex	12 yrs Female
Residence	Rampur, Shimla, Himachal Pradesh
Travel history	No travel history outside HP
# of lesions	1 (Left side of upper lip)
Size of lesion	1x1 cm
Lesion duration	3 months at the time of diagnosis
Lesion characteristics	Erythematous elevated papule

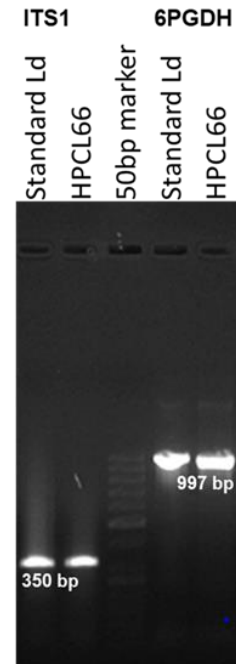
B

Figure S1. Clinical and Molecular characteristics of HPCL66 isolate. Related to STAR methods. **A.** CL patient HPCL66 with the baseline characteristics. **B.** ITS1 PCR (Left) and 6PGDH PCR (Right) amplification for sequence-based identification of the parasite from the CL patient, HPCL66 along with the standard *L. donovani* (LdBob 1S2D) as a positive control

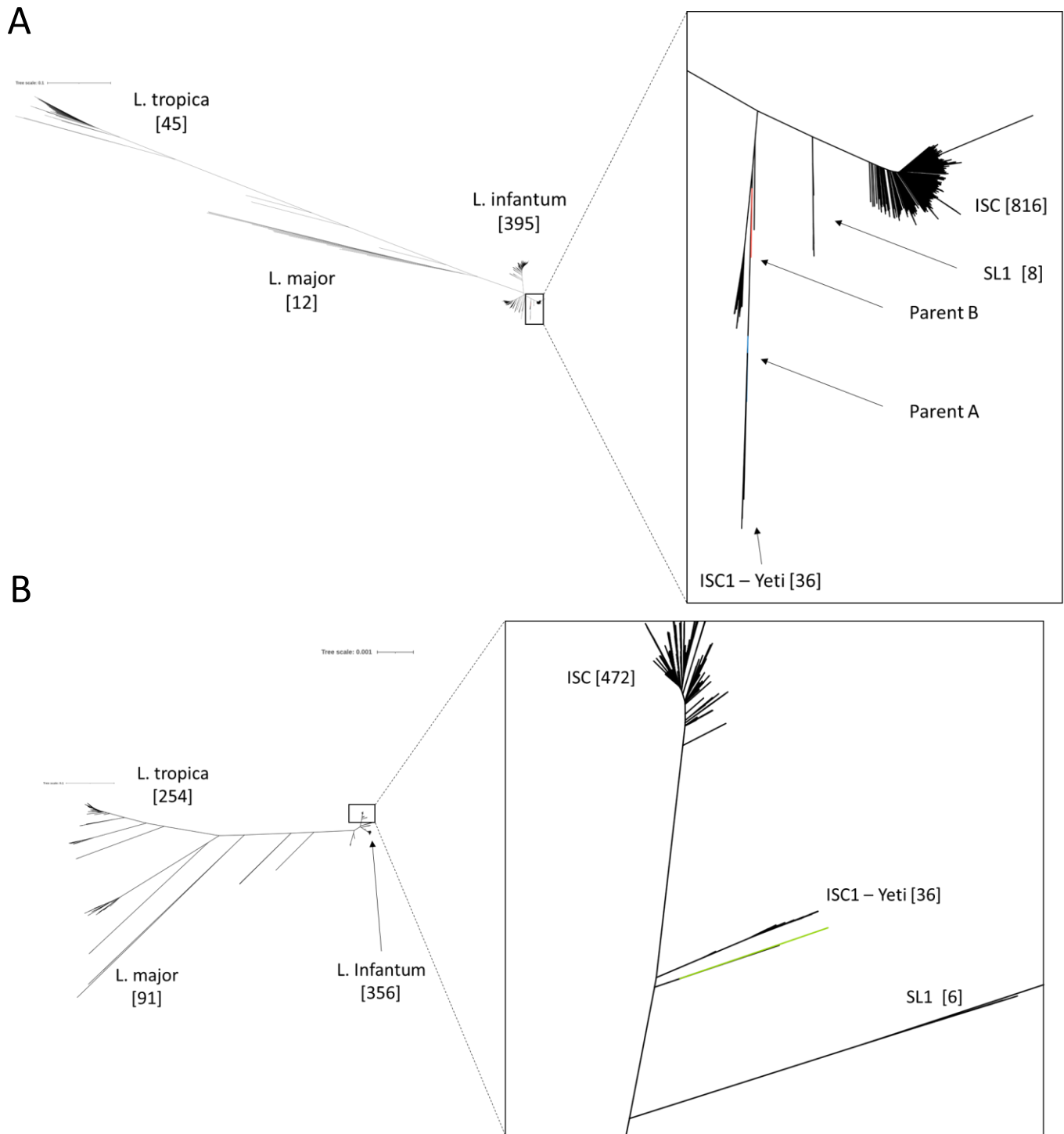


Figure S2. Parental reconstruction phylogeny. Related to Figure 3. **A.** Phylogenetic analysis of Chromosome 1 following frequency-based haplotype segregation into two separate parental haplotypes (colored in blue and red). Both phased haplotypes fall within the ISC1 group and remain unique from all previously sequenced isolates. **B.** Phylogenetic analysis using the core kDNA region sequence alignments. The parental LdHP isolate is highlighted in green and is placed within the ISC1 group.