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Supplementary materials

True truffle diversity in Iran

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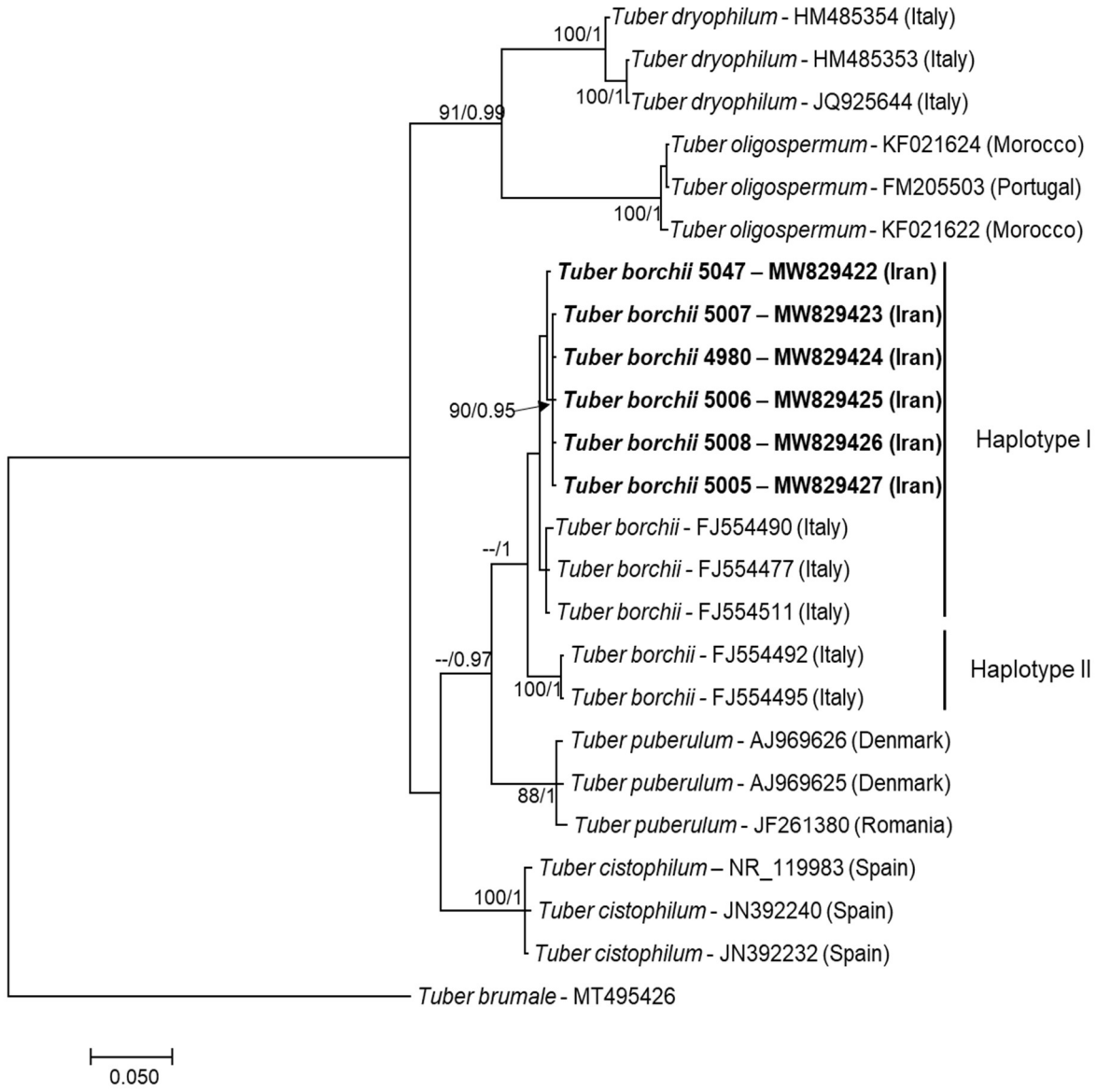
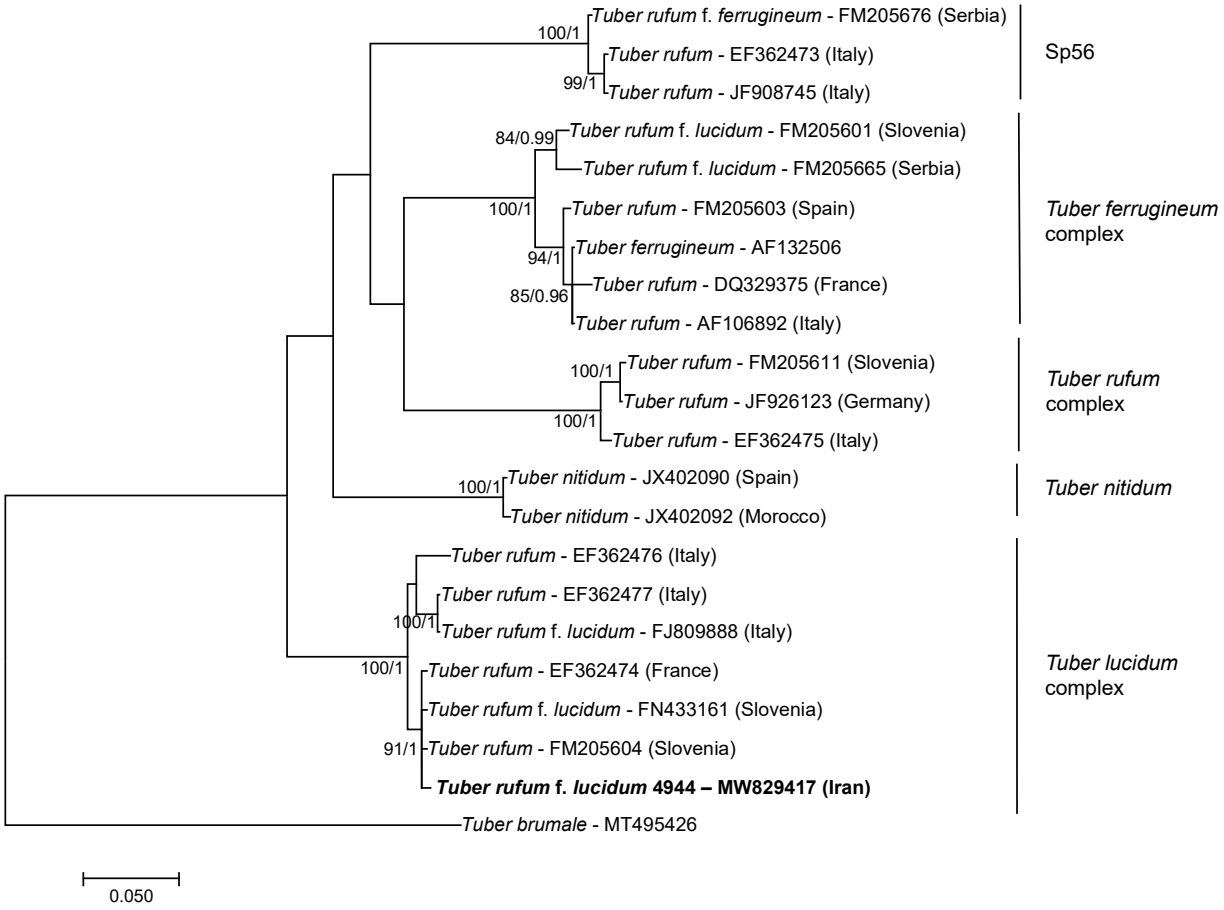
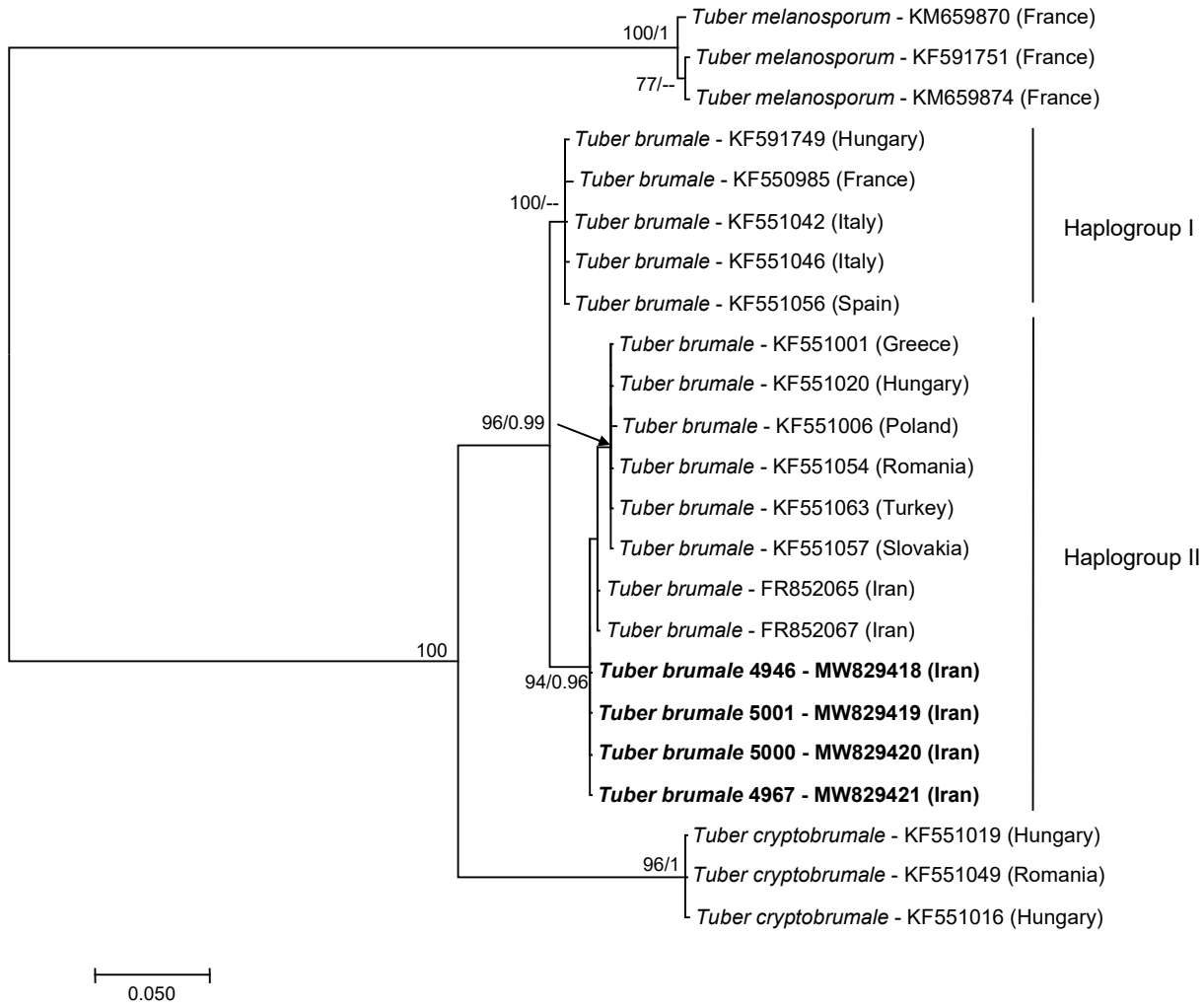


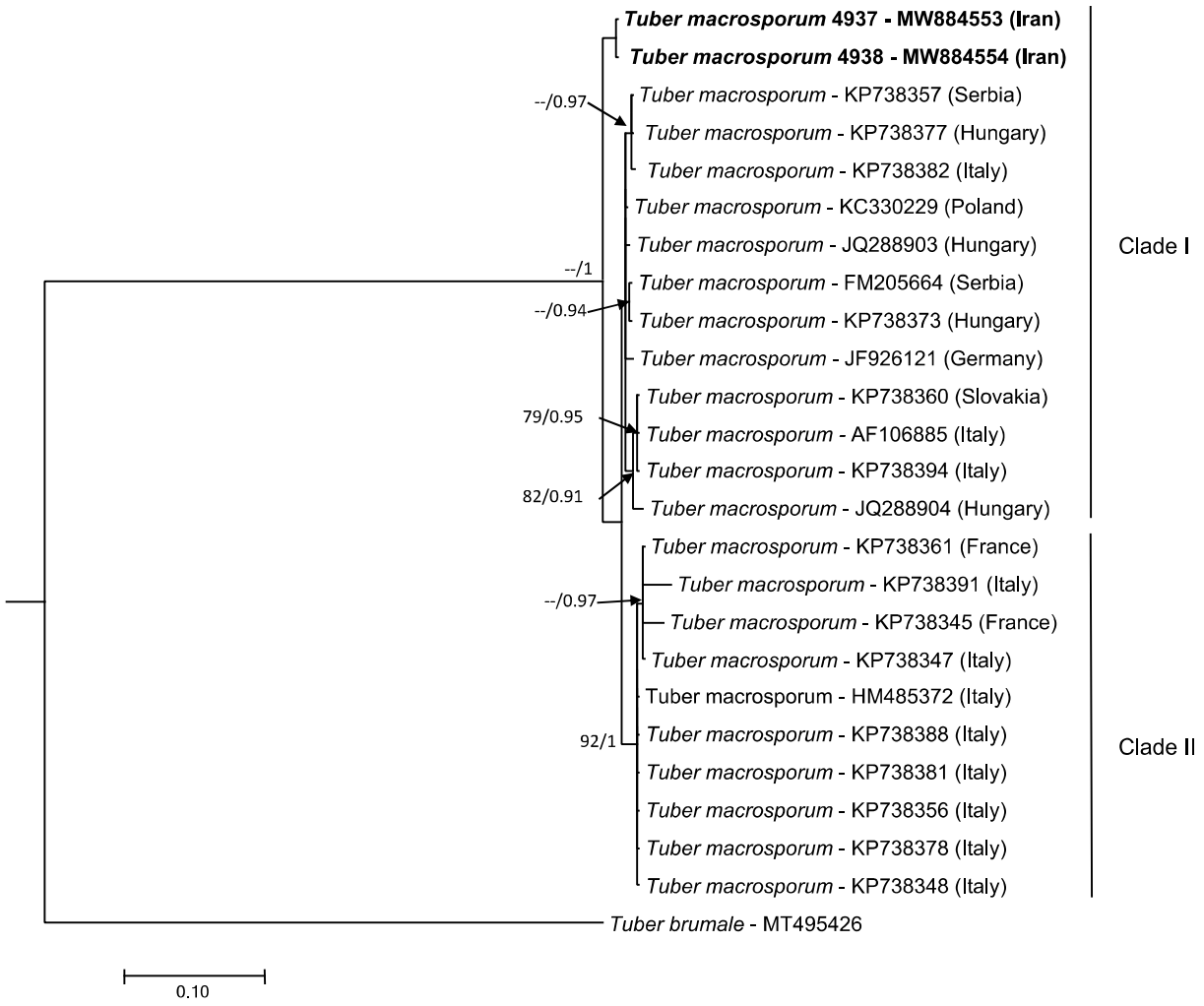
Supp. Fig. 1 – Phylogenetic position of the Iranian *T. borchii* inside the European species of Puberulum clade (Bonito et al., 2010). The two haplotypes are referred to Bonuso et al. (2010). Bootstrap values (>75%) and Bayesian posterior probabilities (>0.95) of supported nodes are reported above each branch.



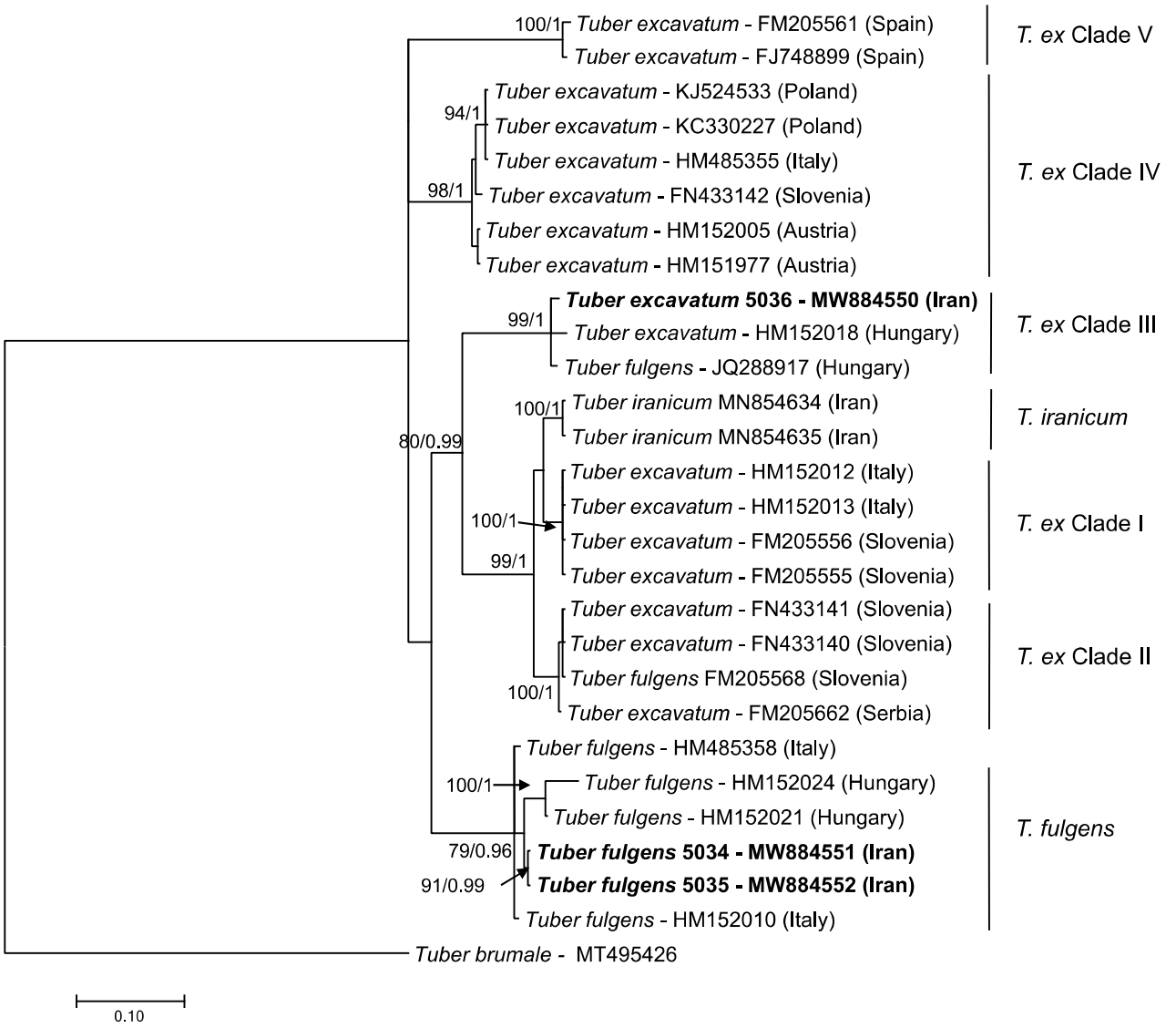
Supp. Fig. 2– Phylogenetic position of the Iranian *T. rufum* inside the European spiny species of Rufum clade (Bonito et al., 2010). The clades inside the Rufum group are referred to Haely et al. (2016). Bootstrap values (>75%) and Bayesian posterior probabilities (>0.95) of supported nodes are reported above each branch.



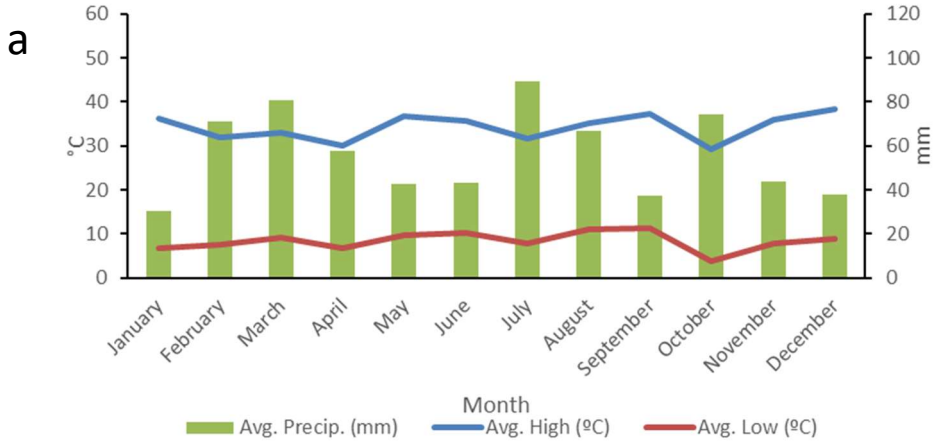
Supp. Fig. 3 – Phylogenetic position of the Iranian *T. brumale* inside the European species of Melanosporum clade (Bonito et al., 2010). The two haplogroups of *T. brumale* group are referred to by Merényi et al. (2014). Bootstrap values (>75%) and Bayesian posterior probabilities (>0.95) of supported nodes are reported above each branch.

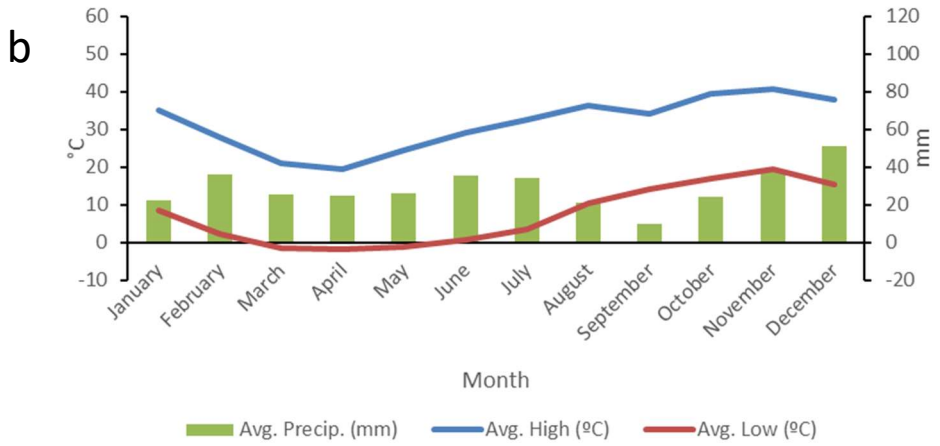


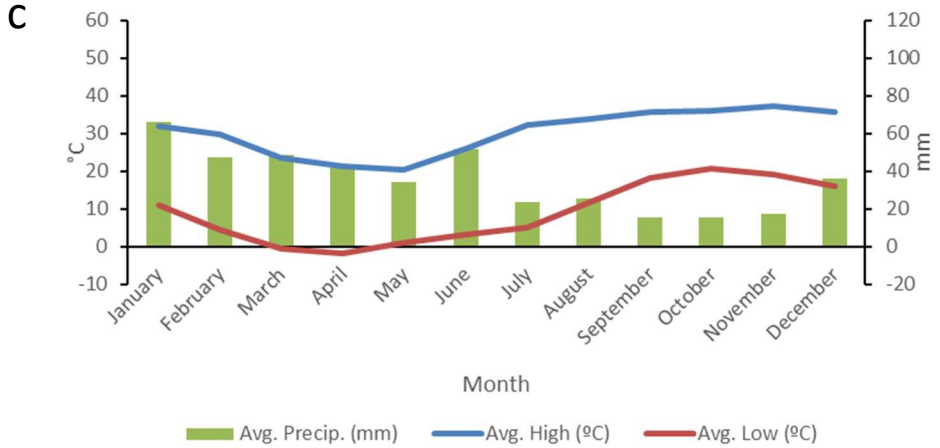
Supp. Fig. 4 – Phylogenetic position of the Iranian *T. macrosporum* inside the European species of Macrosporum clade (Bonito et al., 2010). The two clades of *T. macrosporum* group are referred to by Benucci et al. (2016). Bootstrap values (>75%) and Bayesian posterior probabilities (>0.95) of supported nodes are reported above each branch



Supp. Fig. 5 – Phylogenetic position of the Iranian *T. fulgens* inside the European species of Excavatum clade (Bonito et al., 2010). The *T. fulgens* clades are referred to by Puliga et al. (2020). Bootstrap values (>75%) and Bayesian posterior probabilities (>0.95) of supported nodes are reported above each branch.







Supp. Fig. 6 – Climographs of the areas with the highest truffle presence in the central areas of Golestan province (a), with good truffle productions in southern and western regions of Golestan provice (b), and with a low truffle production in the central and eastern part of Mazandaran province (c).

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