



Fig. S2. Overview of the similarity of PKS families. (A) All versus all comparison of ketosynthase domain of 238 PKSs in the six *Cladonia* spp. and *S. alpinum* identifies clusters of PKSs (yellow squares). Enlarged views of clusters of NR-PKS (B) and R-PKS (C). Red boxes and associated numbers indicate PKS family identified by Timsina *et al.* 2014.