

ONLINE APPENDIX 3. Multivariate similarity surface (MESS) and most dissimilar variable (MoD) plots for both *P. trichocarpa* and *P. balsamifera* during the LGM and LIG. The MESS plots show regions of the historical climate models that are most unlike current climate conditions. Negative values, which are shown in red on the map, indicate novel climate. The MoD plots shows which climate variable is most responsible for the climate prediction at a given location. The variable excluded plots show the species distribution models as inferred without the variable responsible for most of the novel climate conditions.

