

**Figure S1.** Mean of the three threshold criteria of each model algorithms and gross mean of these model algorithms (ensemble model) in the Simen Mountains. The two panels show models "with" (a) and "without" (b) slope as a predictor variable. The ensemble model is produced from nine binary presence-absence maps (three algorithms x three threshold criteria). The scale bar show degree of agreements among the binary maps in predicting presence.



**Figure S2.** Mean of the three threshold criteria of each model algorithms and gross mean of these model algorithms (ensemble model) in all Ethiopian highland masses (> 2,300 m). The two panels show models "with" (a) and "without" (b) slope as a predictor variable. The ensemble model is produced from nine binary presence-absence maps (three algorithms x three threshold criteria). The scale bar show degree of agreements among the binary maps in predicting presence.