Supplementary Material:

**Testing the Area-Altitude Balance Ratio (AABR) and Accumulation Area Ratio (AAR) methods of calculating glacier equilibrium-line altitudes**

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**Figure S1.** This comparison between the glacier size and median elevation difference shows that there is no relationship between size of the glacier and accuracy of this methodology (see section 2). Glacier Area is extracted from the variable DB\_Area, which is the notation used by the GLIMS Glacier Database for the calculated map-plane area of the glacier (km2). Therefore, glacier response time does not impact our analyses.