

Supplemental Fig. 1 Three-step localization method. (a) Anatomical localization. The V1M tissue used for EM analysis was dissected out. (b) Histological localization. Toluidine blue staining was used to locate the 2  $\mu$ m-thick semi-thin sections. (c) Ultrastructural localization. 7-9 pieces of serial ultrathin sections were collected on a single-slot grid. Rectangles represent 10 visual fields at  $10,000 \times 10,000 \times 10,000$