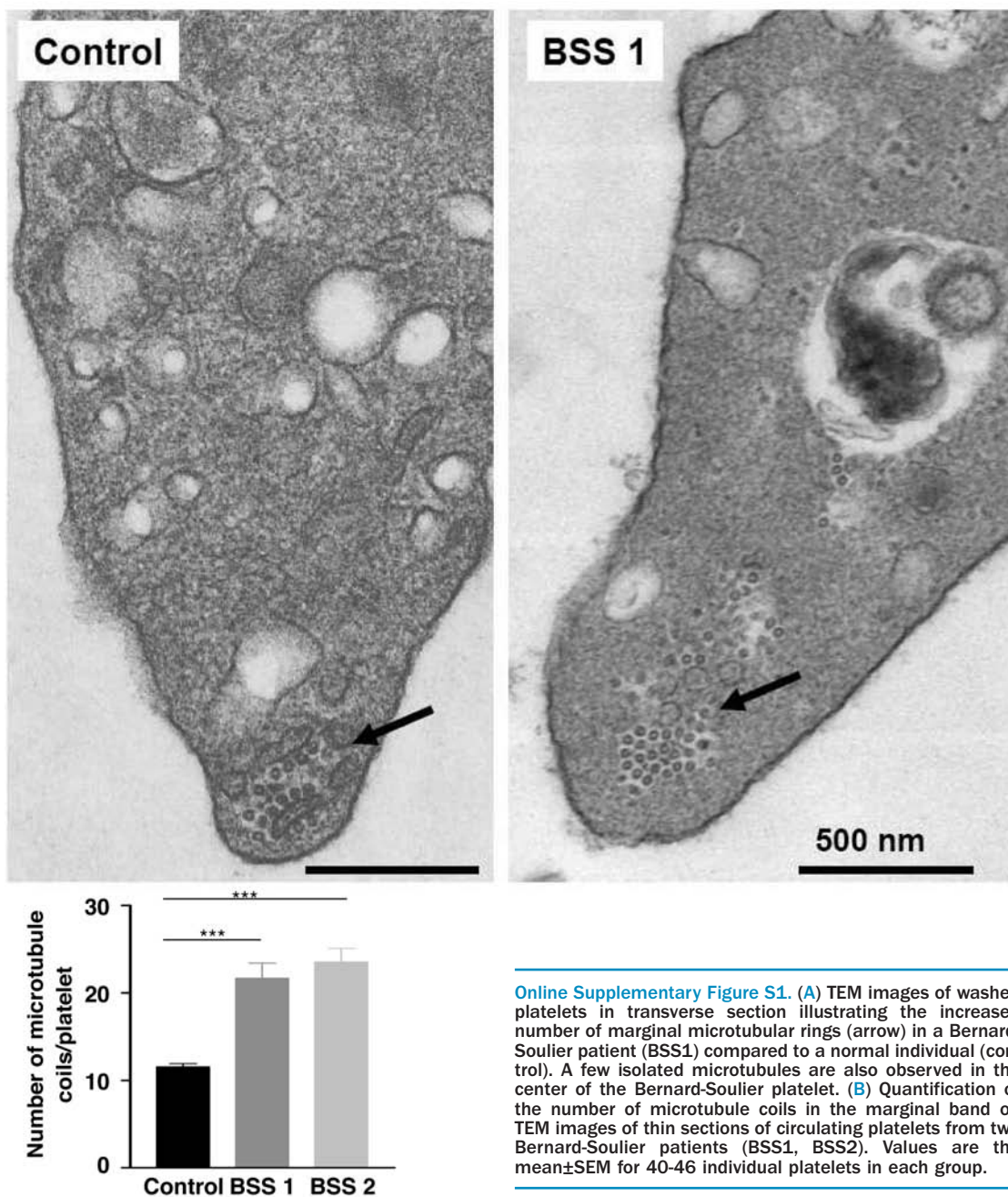


Intrinsic impaired proplatelet formation and microtubule coil assembly of megakaryocytes in a mouse model of Bernard-Soulier syndrome

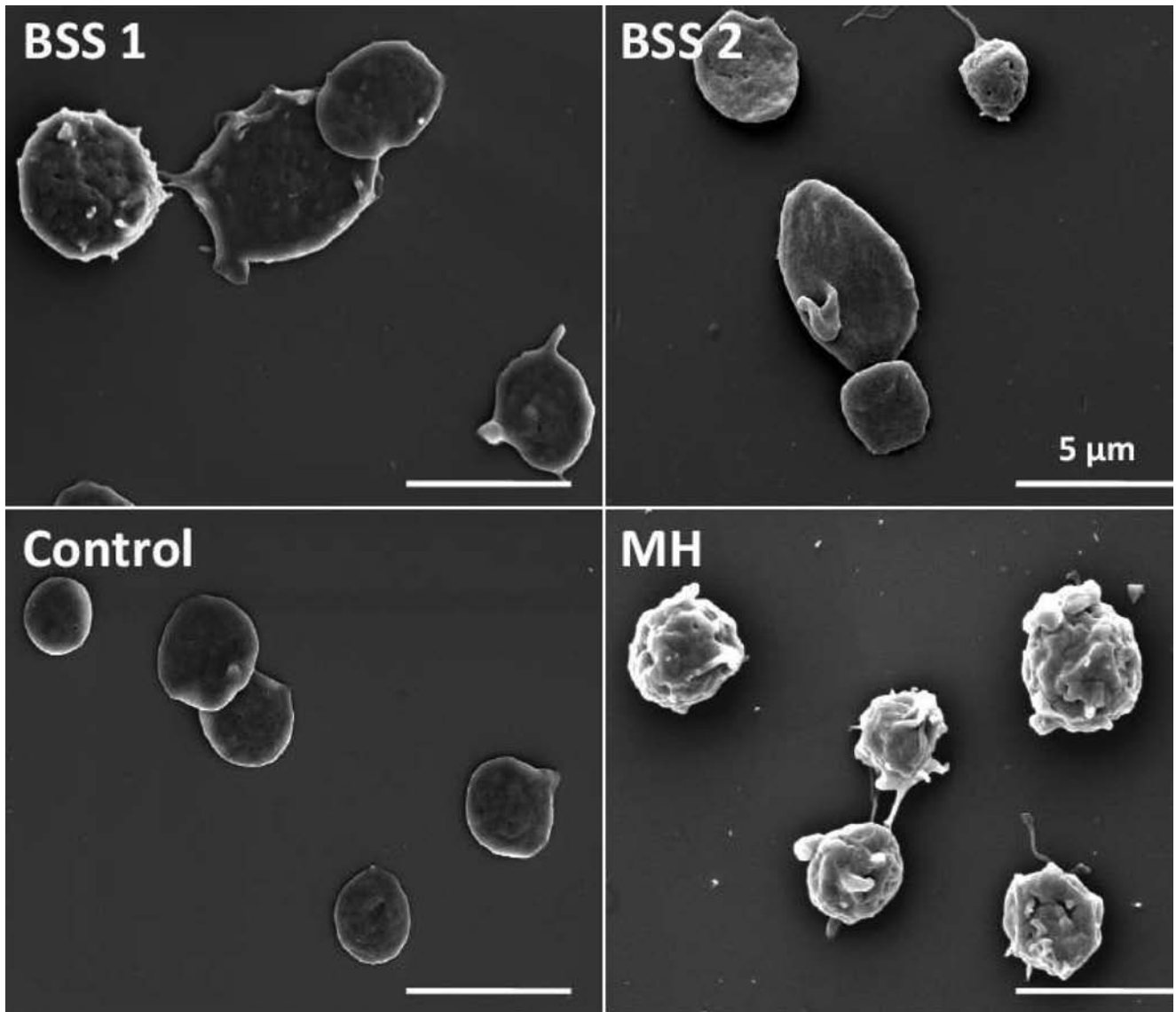
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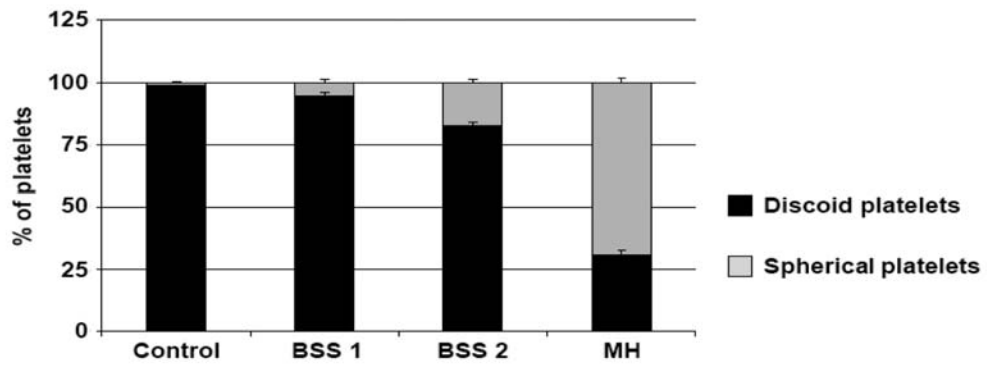
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Online Supplementary Figure S1. (A) TEM images of washed platelets in transverse section illustrating the increased number of marginal microtubular rings (arrow) in a Bernard-Soulier patient (BSS1) compared to a normal individual (control). A few isolated microtubules are also observed in the center of the Bernard-Soulier platelet. (B) Quantification of the number of microtubule coils in the marginal band on TEM images of thin sections of circulating platelets from two Bernard-Soulier patients (BSS1, BSS2). Values are the mean ± SEM for 40-46 individual platelets in each group.



[Online Supplementary Figure S2](#). Scanning electron microscopy images of washed platelets from two Bernard-Soulier individuals (BSS1, BSS2), illustrating the presence of mostly disc shaped cells, compared with those of a normal control. Platelets from a patient with the May-Hegglin (MH) anomaly are presented to illustrate the spherical shape seen by the scanning electron microscope.



Online Supplementary Figure S3. Bar graph quantification of the proportion of discoid and spherical platelets scored from 400-600 individual cells observed by scanning electron microscopy.