Supplementary material

Regulation of P-glycoprotein and breast cancer resistance protein expression induced by focused ultrasound-mediated blood-brain barrier disruption: a pilot study

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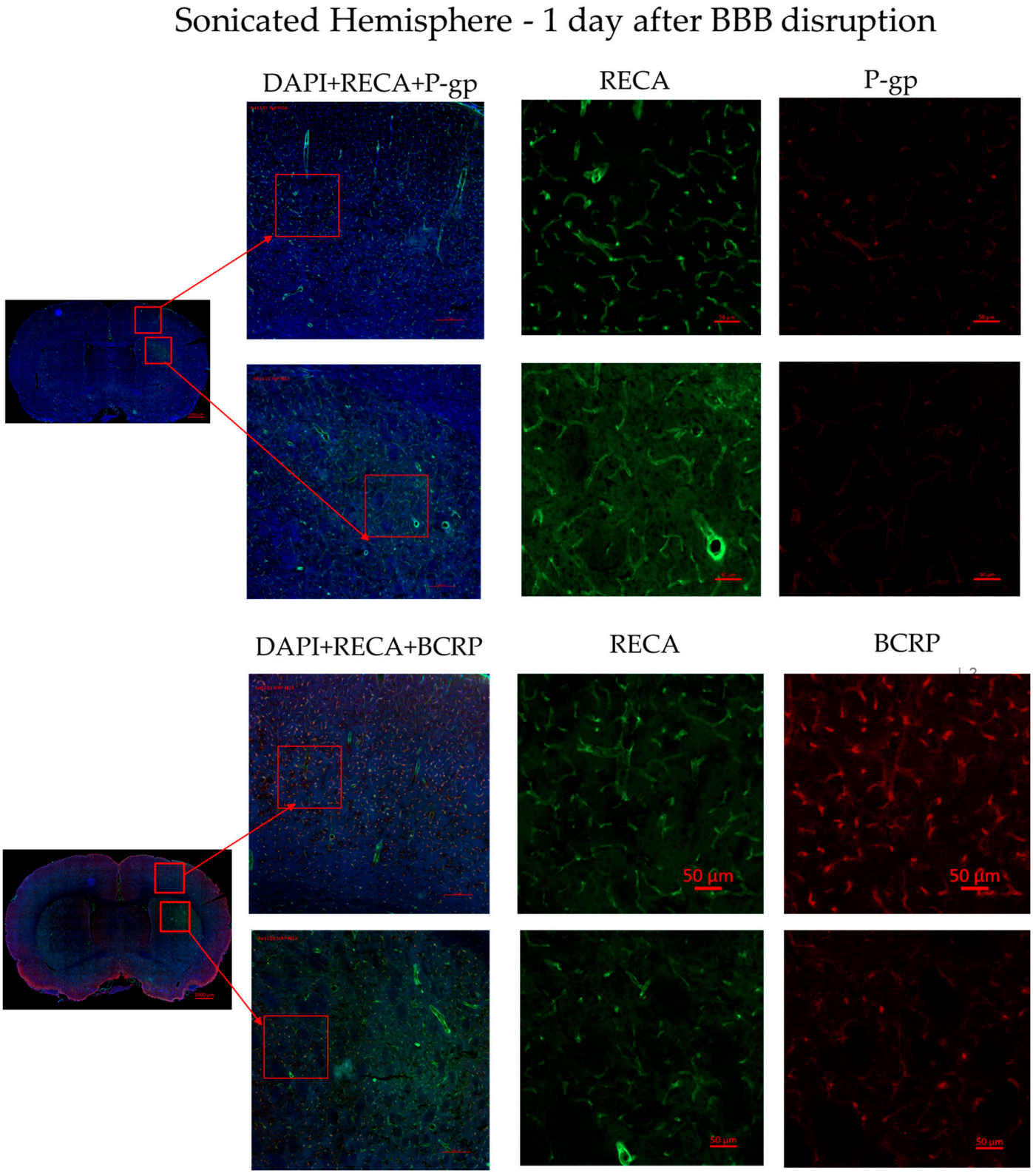


Figure S1: exemplar P-gp and BCRP expressions in sonicated hemisphere at one day after FUS application.

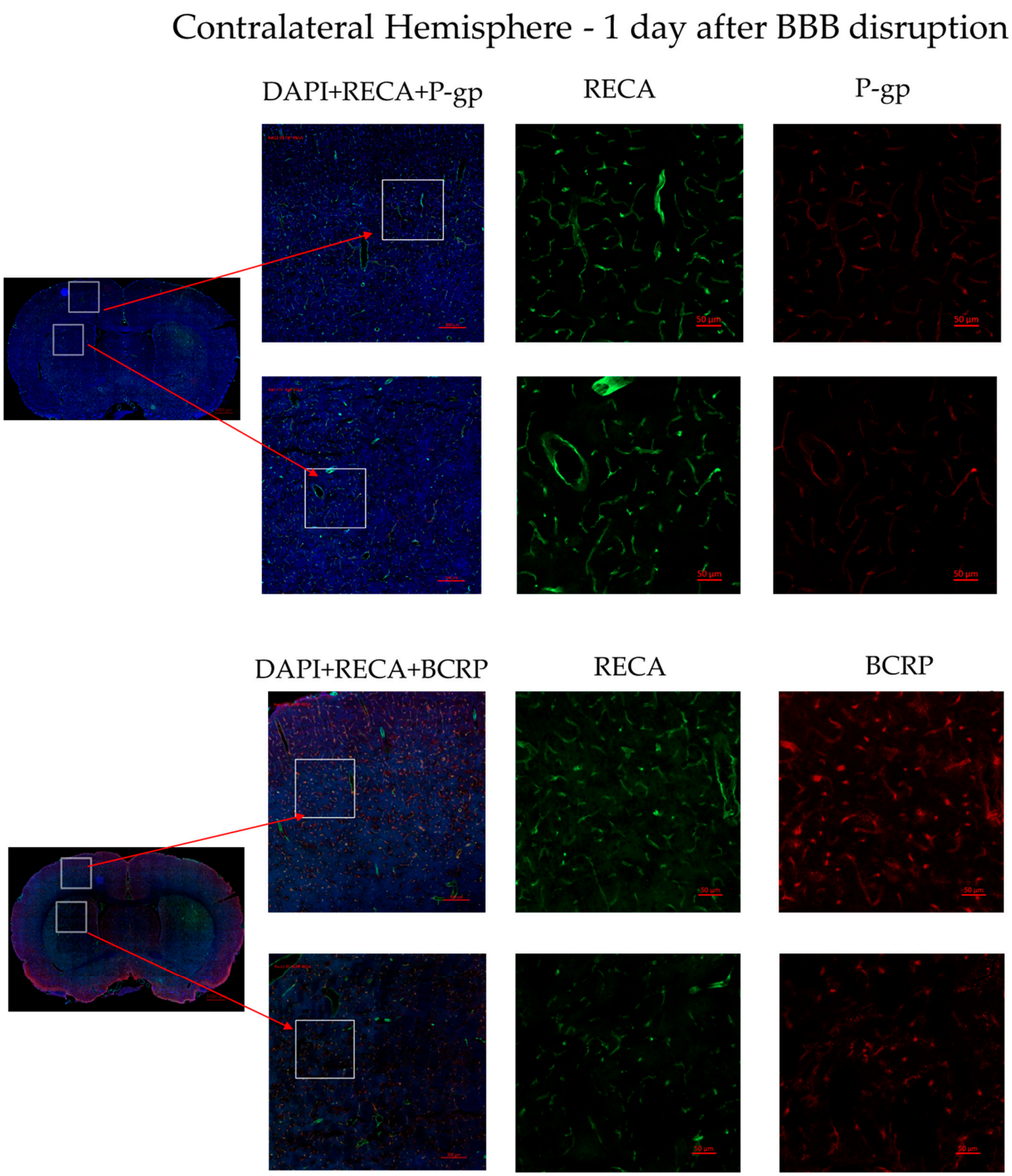


Figure S2: exemplar P-gp and BCRP expressions in contralateral hemispheres at one day after FUS application.

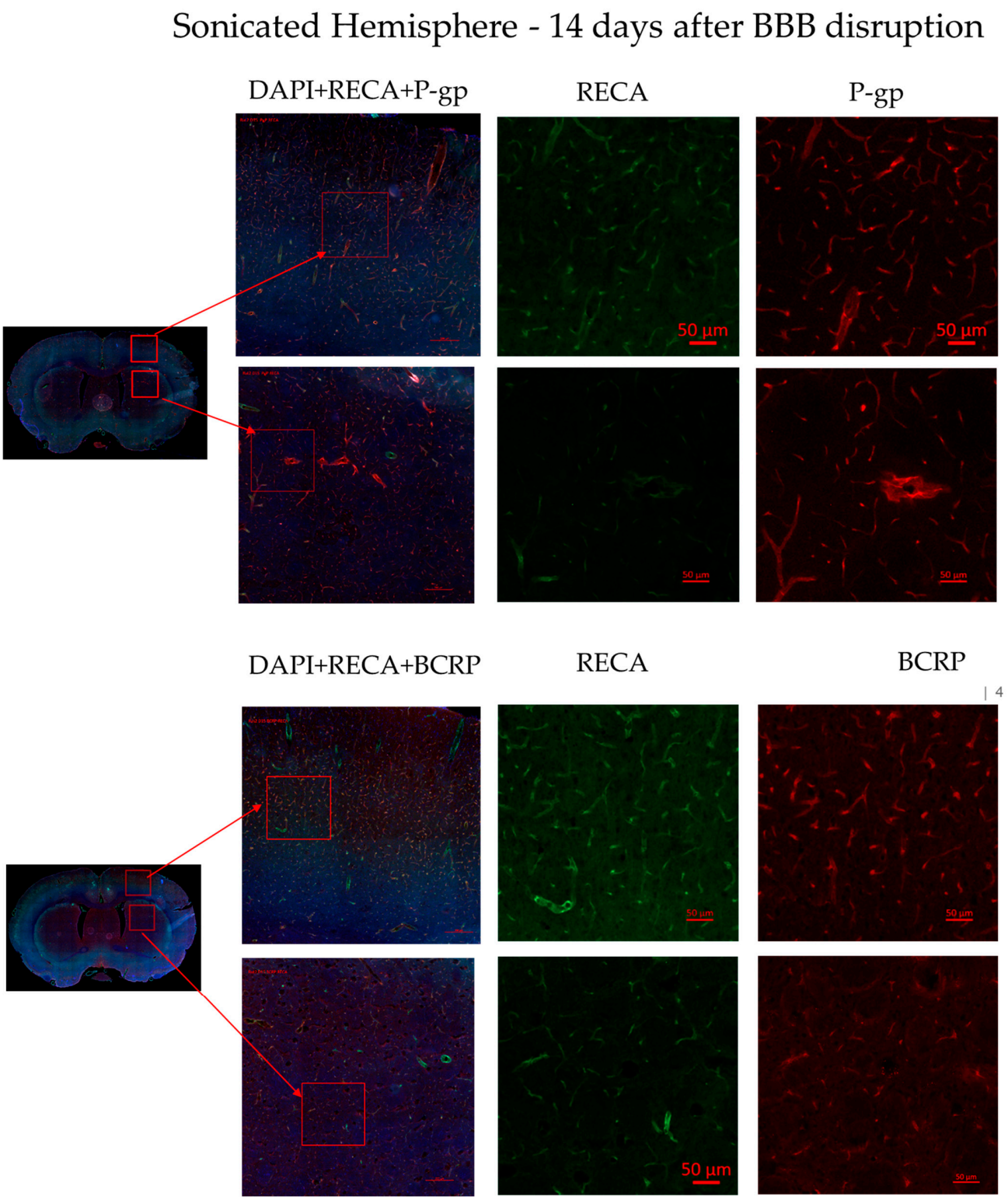


Figure S3: exemplar P-gp and BCRP expressions in sonicated hemispheres 14 days after FUS application.

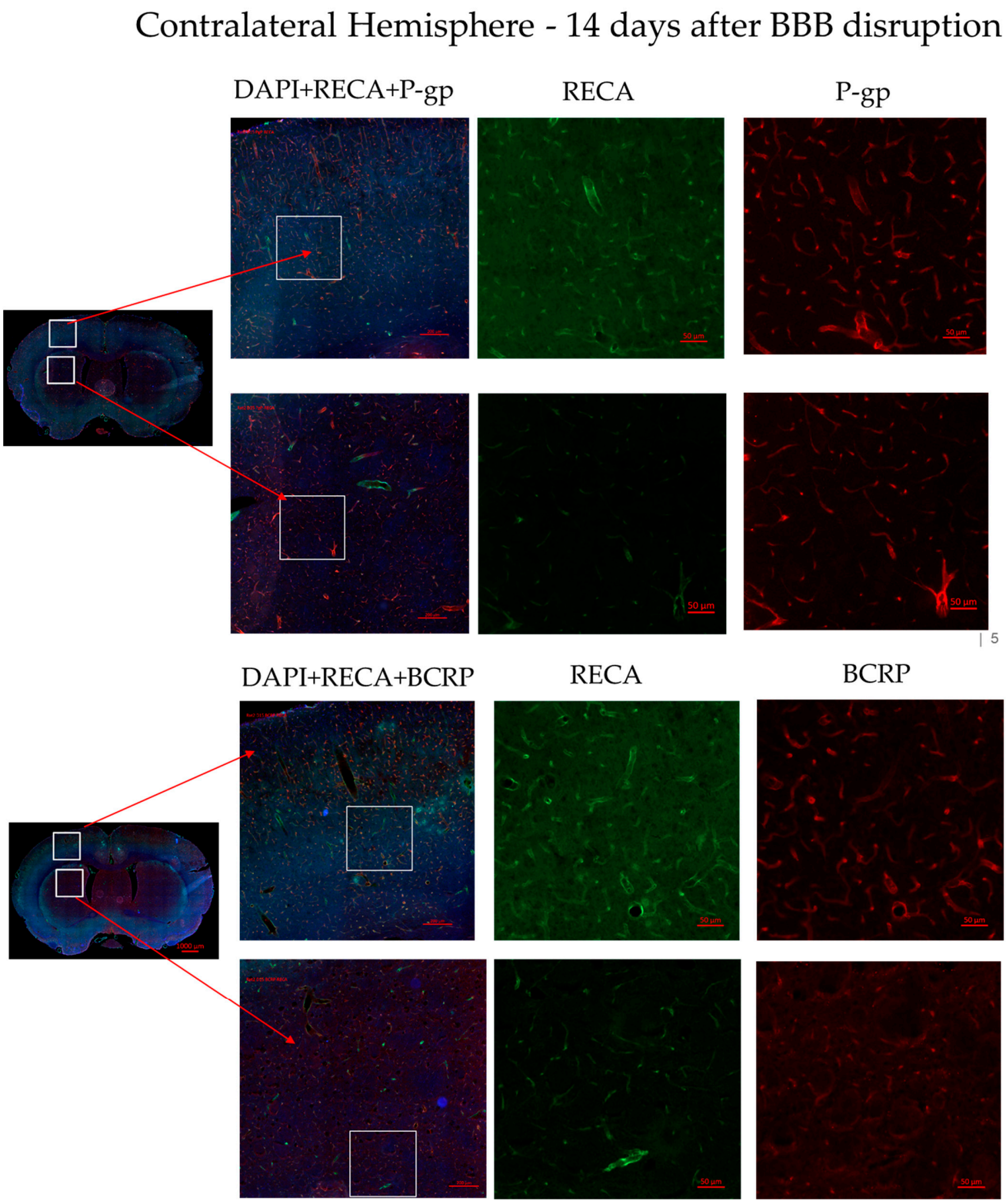


Figure S4: exemplar P-gp and BCRP expressions in sonicated hemispheres 14 days after FUS application.

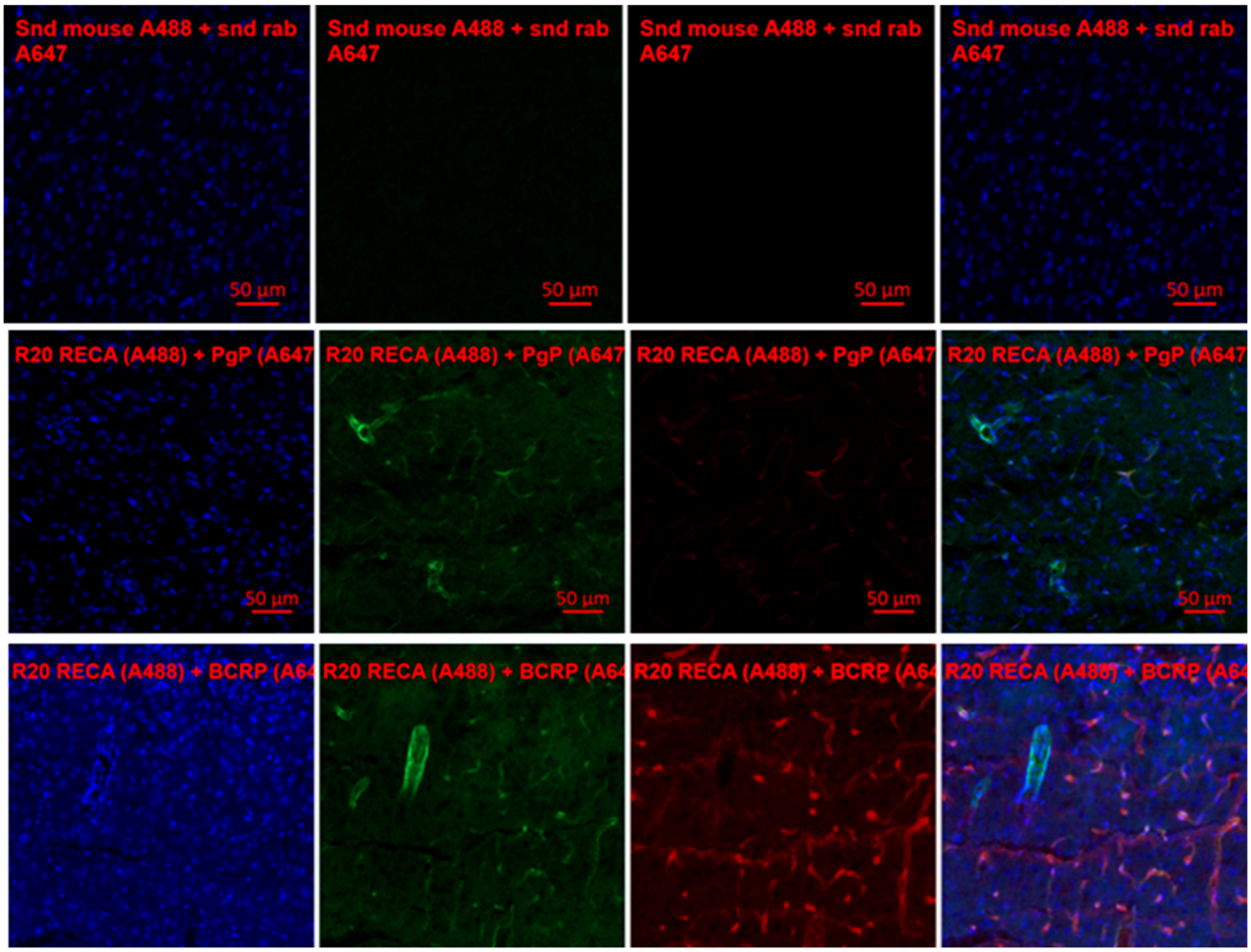


Figure S5: Exemplar negative controls of immuno-stained regions obtained in sonicated regions, 24 hours after FUS application. First raw: secondary antibodies. Second raw: P-gp and RECA stainings. Third row: BCRP and RECA stainings.

Table S1. p-values resulting from Bartlett tests performed to evaluate variance homogeneities of protein expressions across time points.

Protein [Hemisphere]	**p-value**
P-gp [sonicated hemisphere]	2.3e-8
P-gp [contralateral hemisphere]	6.7e-18
BCRP [sonicated hemisphere]	2.9e-3
BCRP [contralateral hemisphere]	5.1e-4