

Assessing cortical plasticity after spinal cord injury by using resting-state functional magnetic resonance imaging in awake adult mice

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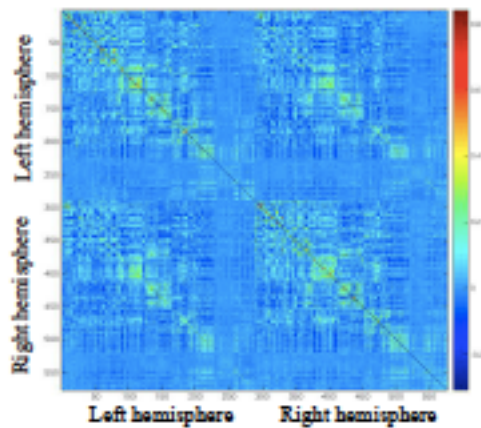
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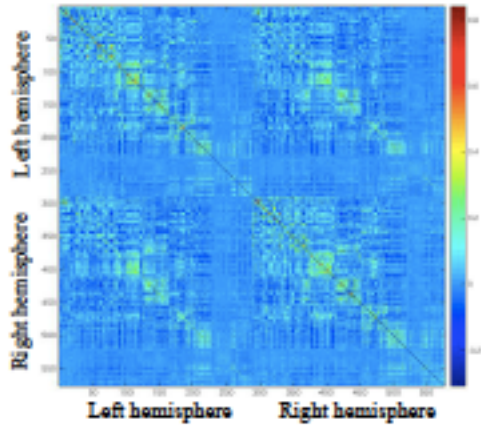
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Supplement Figure 1

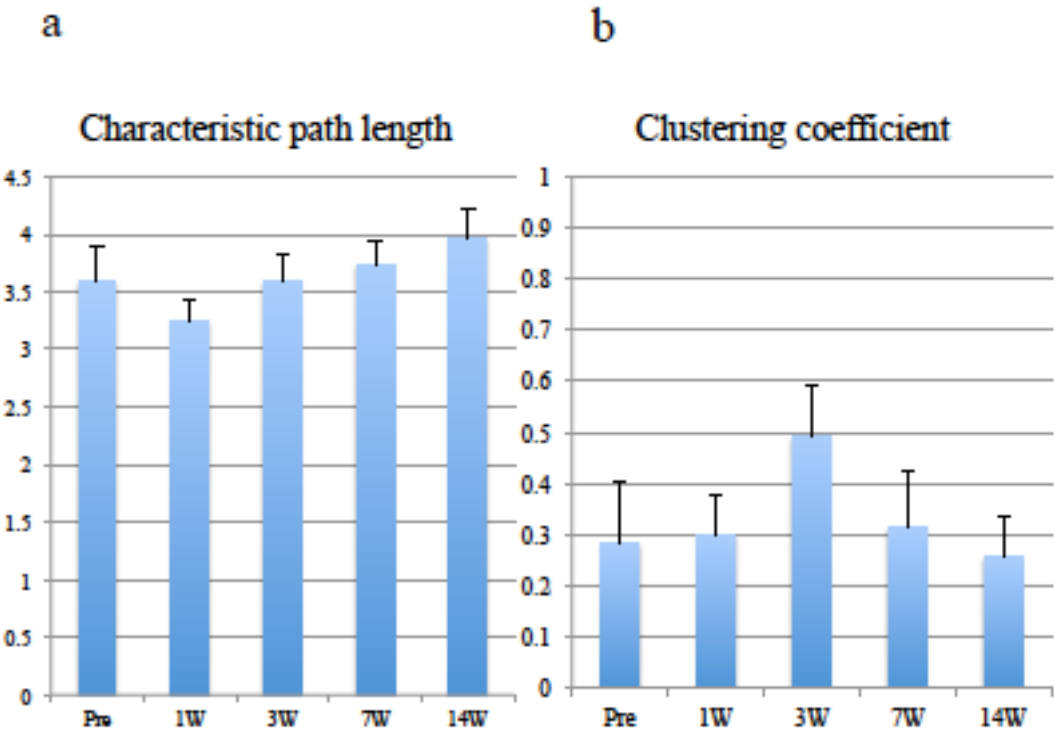
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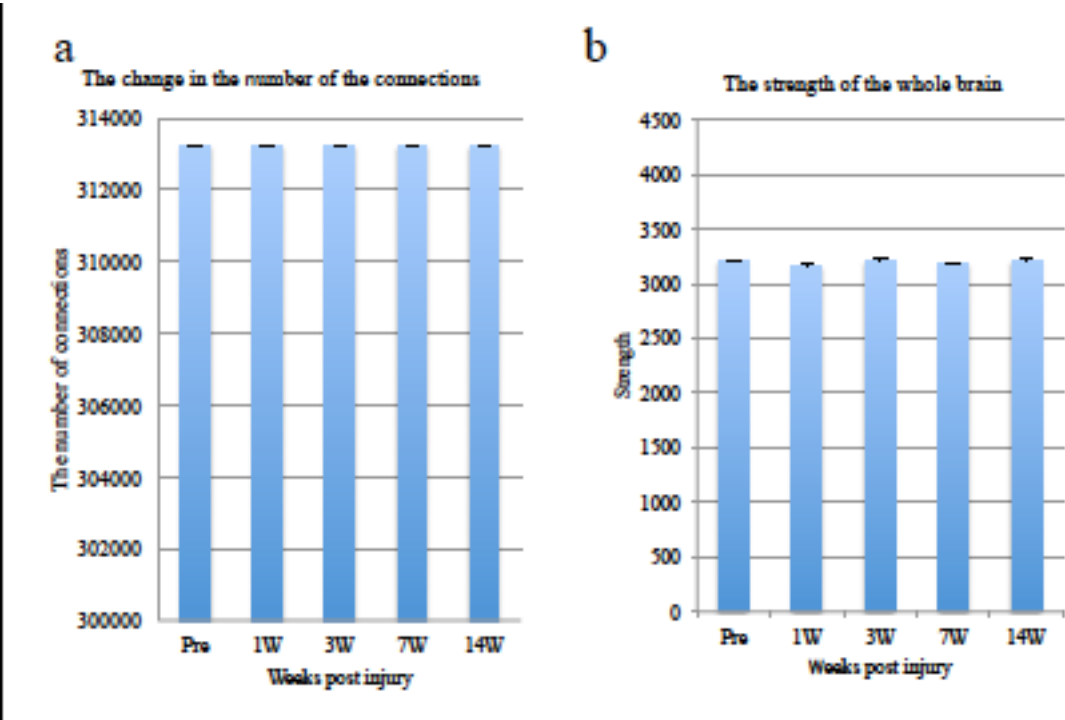
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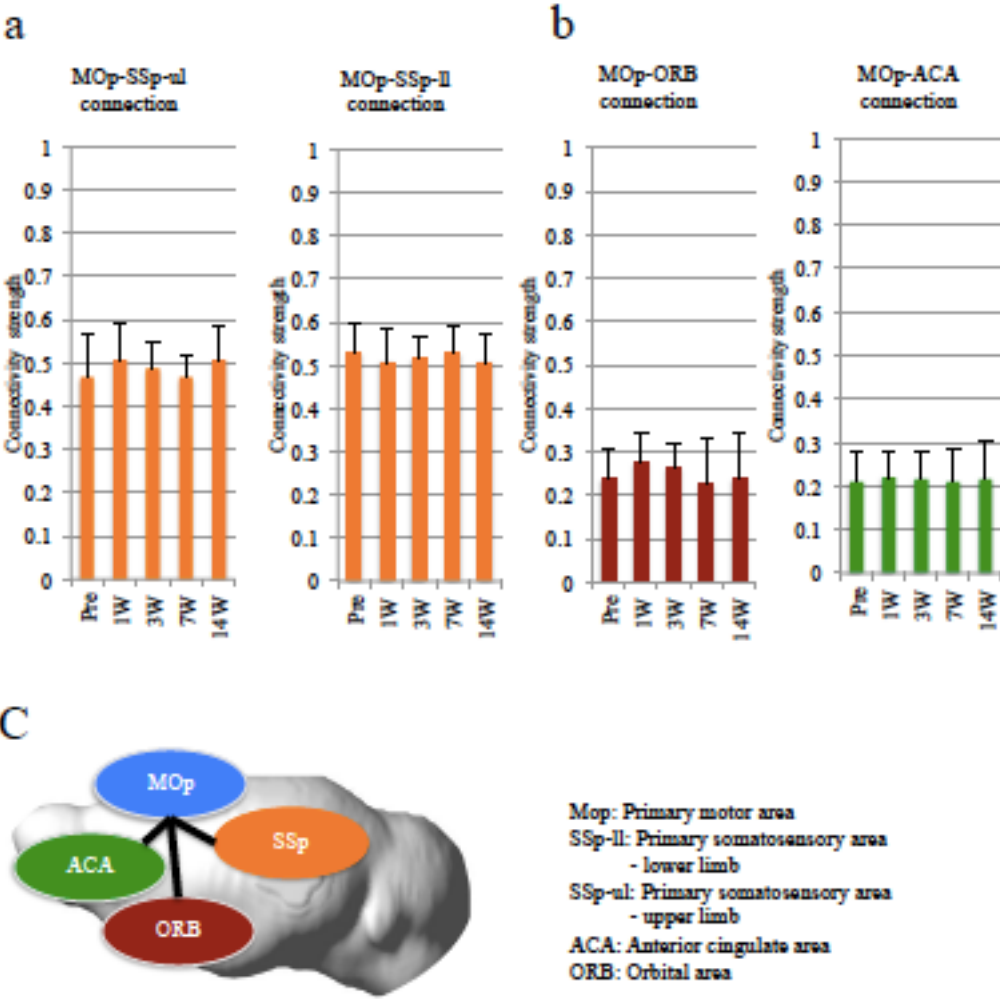
Supplement Figure 2



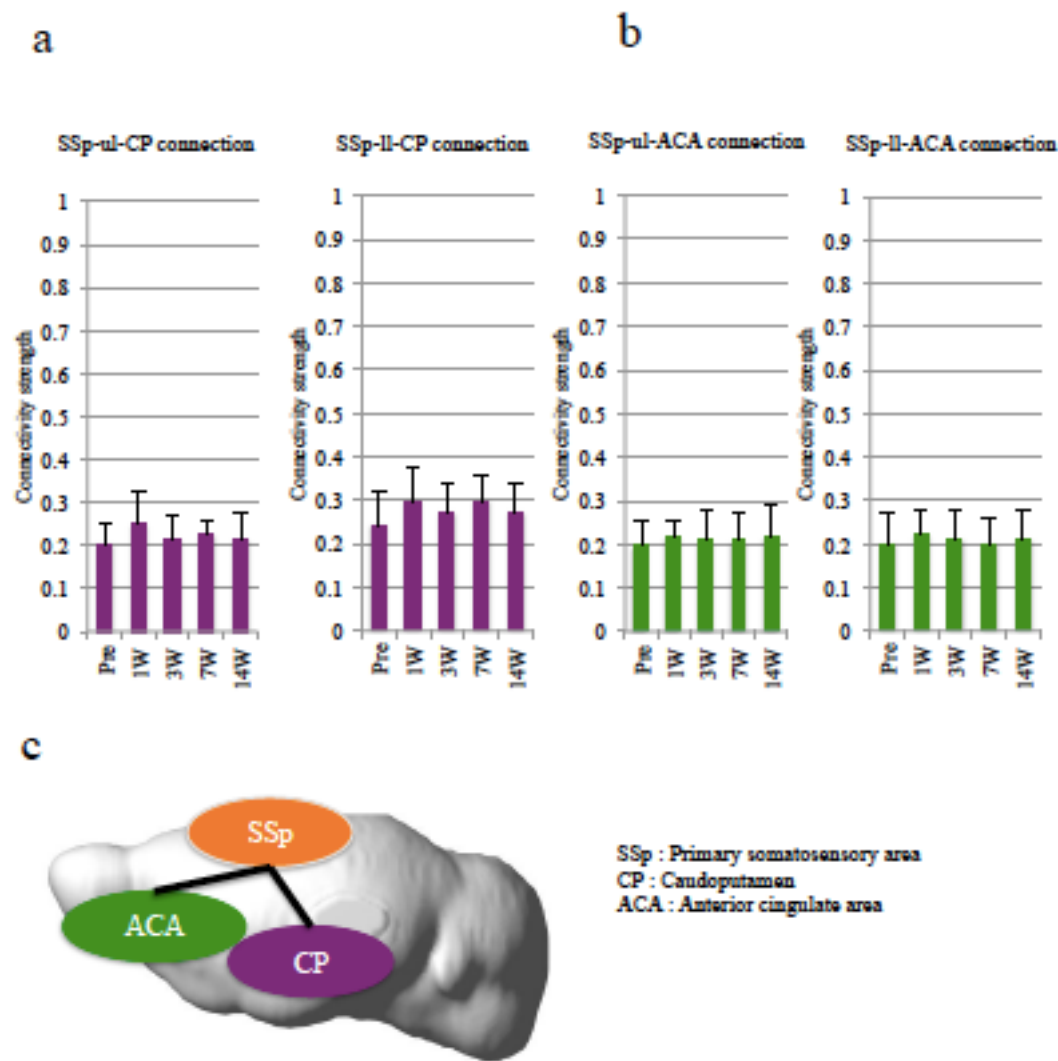
Supplement Figure 3



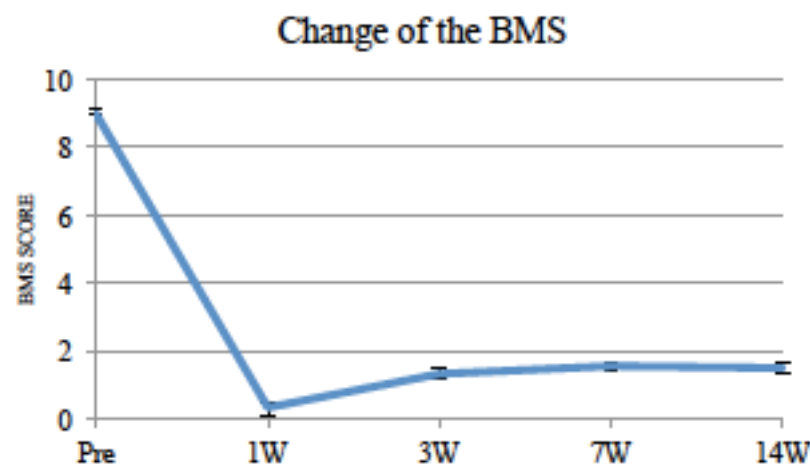
Supplement Figure 4



Supplement Figure 5



Supplement Figure 6



Supplement Figure legends

Fig. 1 Visualization of the neuronal functional connectivity in an awake mouse of the sham group .

a) The correlation matrix of awake mice with intact spinal cords expressed as the correlations among 576 areas.

b) The brain networks were visualized on the basis of the correlation matrix of mice 14 weeks after the SCI.

Fig2. The change of the Characteristic path length and Clustering coefficient

a) The change in the Characteristic path length

b) The change in the Clustering coefficient

Fig. 3. Alterations in the connectivity in the entire brain of the sham group mice.

a) The change in the number of connectivity in the entire brain.

b) The change in the strength of the connectivity in the entire brain.

Fig. 4. The connectivity between the MOp and the SSp, ORB and ACA of the sham group mice .

a) The change in the strength of the connectivity between the MOp and the SSp.

b) The change in the strength of the connectivity between the MOP and the CP/ACA.

c) A schematic of the connections among the MOp and the SSp, ORB and ACA.

Fig. 5. The connectivity between the SSp and the CP/ACA of the sham group mice.

a) The change in the strength of the connectivity between the SSp and CP.

b) The change in the strength of the connectivity between the SSp and ACA.

c) A schematic of the connections between the SSp and CP/ACA.

Fig.6 Change of the BMS in mouse SCI model.