

Bioactive Silk Hydrogels with Tunable Mechanical Properties

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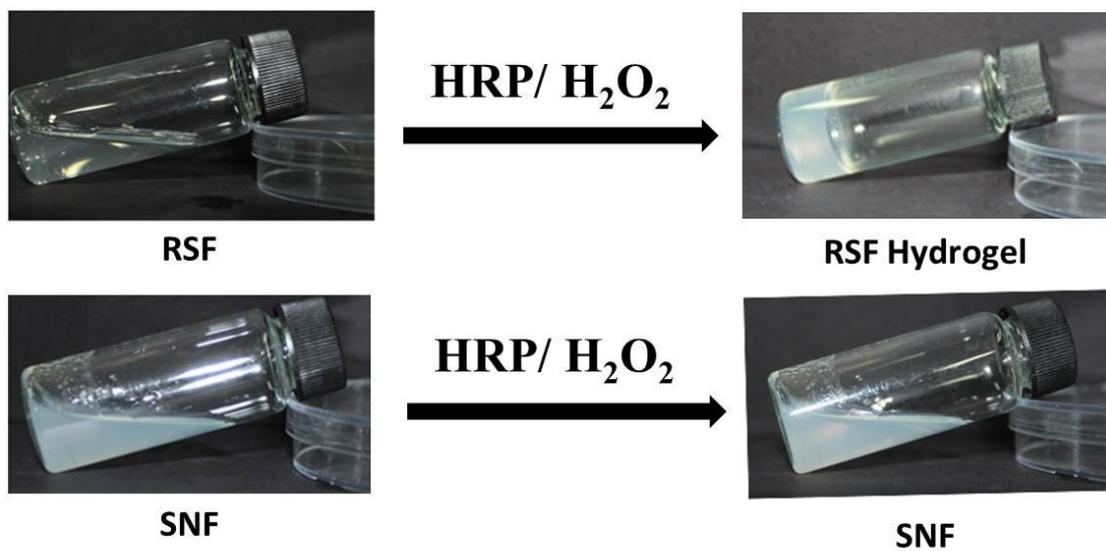


Figure S-1. The phase changes of regenerated silk fibroin (RSF) and silk fibroin nanofiber (SNF) solutions after the addition of HRP and H₂O₂. No crosslinking happened for the SNF with enzyme and peroxide but in the absence of the RSF.

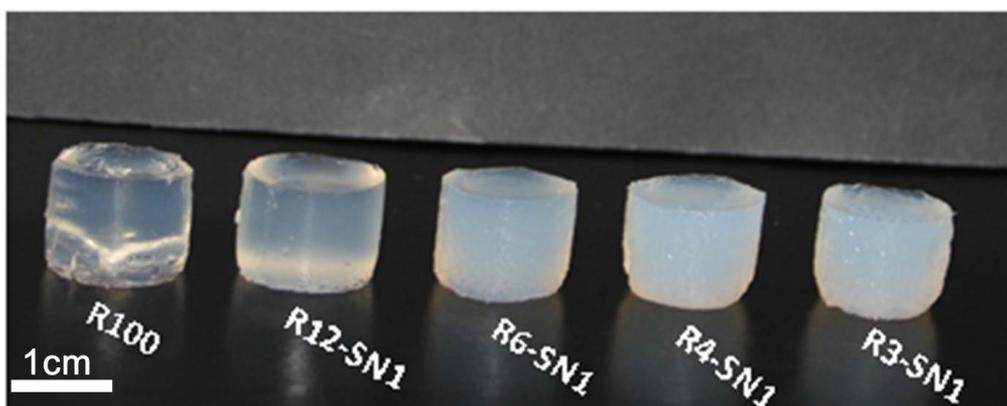


Figure S-2. The macrograph of silk fibroin hydrogels with different contents of SNF.

The samples were as follows: (a) R100, pure RSF hydrogel; (b) R12-SN1, the ratio of RSF and SNF was 12:1; (c) R6-SN1, the ratio of RSF and SNF was 6:1; (d) R4-SN1, the ratio of RSF and SNF was 4:1 (e) R3-SN1, the ratio of RSF and SNF was 3:1.