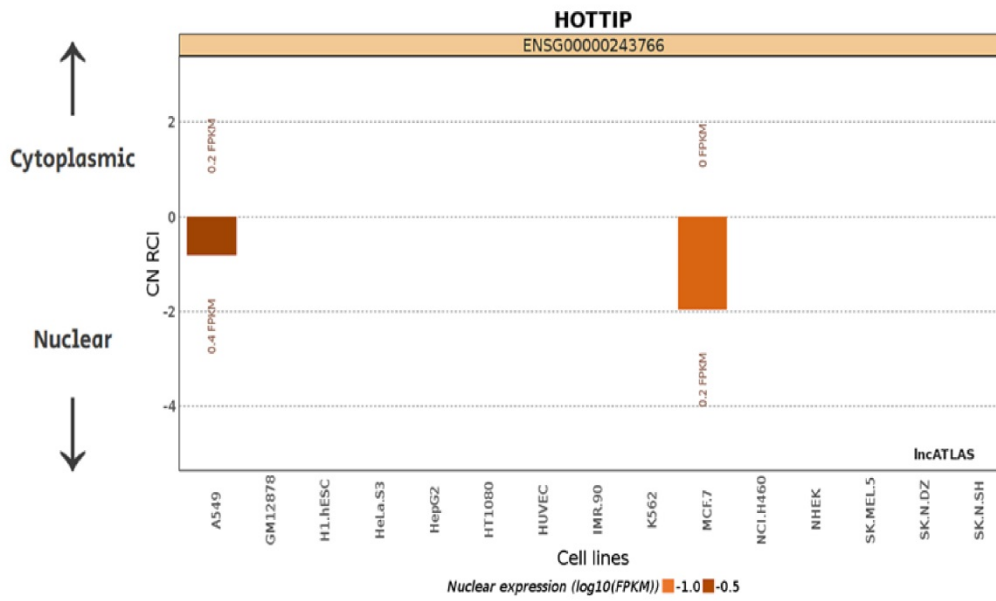## Supplemental Information

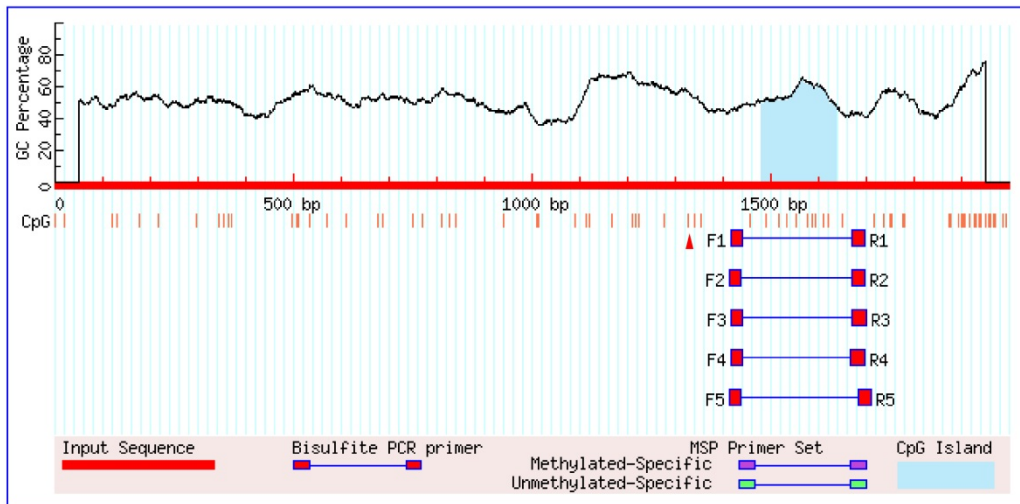## Silencing of Long Non-coding RNA HOTTIP

Reduces Inflammation in Rheumatoid

Arthritis by Demethylation of SFRP1

Xumin Hu, Jianhua Tang, Xuyun Hu, Peng Bao, Weixi Deng, Jionglin Wu, Yuwei Liang, Zhipeng Chen, Liangbin Gao, and Yong Tang

Supplementary Figure 1. HOTTIP was mainly located in the nucleus of RASFs predicted by the lncATLAS website.

Supplementary Figure 2. The CpG islands in the promoter region of SFRP1 were analyzed by the Methprimer website.

序号	StartInGenome	EndInGenome	MeanStability	MeanIdentidy (%)	Score	TFO_sequence	TTS_sequence
1	41310643	41310703	2.27	65.08	1.67	TTTTGACCCCTATTATAATTTCATCTTCAGTGTTTTATTATCCACTTCCTCTCTCTCTATCTT	CACTAGGGCAGACGCCAAGAGGACGGTATCAGCACAACAGCTCGGCCCCCAGGAACAGAAG
2	41309649	41309702	1.89	62.96	1.44	ATTATTTTTAAAAAAGAATGAATAAAGATGTTCTGGTTTCTTTTGTTTT	CCTTCTTTTTCTCCCCTTGTCTCTTTCCTCCTCCCCCTTTTATTTATGTATTTT
3	41309658	41309745	1.85	60.23	0.88	CTAAAAATTACATATGAAAGAGGAAGATTTATGTTACTTTTTTATATGAGAGAATCGTCCTTTAATAGAAAATTTCTATTG	CGTCCGCCCTGGTCTCTCTCCACCCCACGCCGTGATCCATTCCCCTTCTTTTTCTCCCCTTGTCTCTTTCCTCCTCCCCCTTTTATTT
4	41309650	41309701	2.08	64.15	1.55	TCATCTTTCTAAAAATTACATATGAAAGAGGAAGATTTATGTTACTTTTTTAT	CTTCTTTTTCTCCCCTTGTCTCTTTCCTCCTCCCCCTTTTATTTATGTATTTT
5	41311229	41311283	1.25	63.16	1.26	CAAGGCCAGCTCCACATTCTTCCCTCCCCCTCCCACTTCACCGTAGCCCCGAACCC	ATCCCGATCTTGCTCTCTCTTCTCTGTGTTTTCCTTCCAGCCTCCATGTCACCTT
6	41311134	41311196	1.1	63.64	1.36	GAGTAGGGTTCTAGGCCCCTGTTCCTGGGGACTTGAAGGCGGTTTTACATACTGGTCAGACACGGC	CAGACACGGTGATTCCACGGTGCACACAGGAGGCTTCTGCAGATGGATGACTTCTCTGTCATT

Supplementary Figure 3. The binding sites of HOTTIP and SFRP1 were predicted by the website

Long Target.
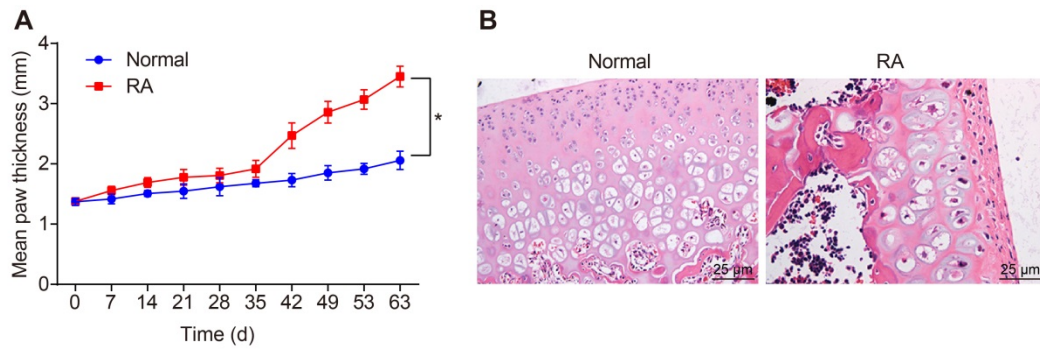
Supplementary Figure 4. The rat model of RA was identified using paw swelling scores of rats and pathological changes in the lesions induced after modeling. (A) The paw thickness of rats after modeling. (B) The pathological changes in the lesion after modeling detected by HE staining ($\times$ 100; scale bar = 200 μm). The normal group refers to rats without treatment. *, $p < 0.05$. The results of paw thickness were expressed as mean $\pm$ standard deviation. Comparisons among multiple groups were analyzed by one-way ANOVA. n = 15.