

**Supplementary Table S1. Primers used in this study**

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Gene	specific oligonucleotide primers for target sequences
CD31	F: 5'-CAACGAGAAAATGTCAGA-3' R: 5'-GGAGCCTTCCGTTCTAGAGT-3'
Vimentin	F: 5'-GCAAAGATTCCACTTTGCGT-3' R: 5'-GAAATTGCAGGAGGAGATGC-3'
SM22alpha	F: 5'-CTGAGGACTATGGGGTCATC-3' R: 5'-TAGTGCCCATCATTCTTGGT-3'
Snail	F: 5'-GCTGCAGGACTCTAATCCAGA-3' R: 5'-ATCTCCGGAGGTGGGATG-3'
Beta-actin	F: 5'-CCAACCGCGAGAAGATGA-3' R: 5'-CCAGAGGCGTACAGGGATAG-3'

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## Supplementary Table S2

### Serum glucose levels of the mice at different stages between the experimental groups

	Sham	Wire-injury	Wire-injury with Liraglutide treatment	<i>p</i>
Baseline	131.5 +/- 5.7	137.4 +/- 4.8	132 +/- 5.2	0.907
Day 0	564.5 +/- 23.5	546.7 +/- 21.4	568.8 +/- 30.2	0.876
Day 14	402.2 +/- 10.3	410.5 +/- 14.8	432.2 +/- 29.6	0.206
Day 28	452.4 +/- 11.7	449.9 +/- 13.2	484.0 +/- 34.6	0.106

The data is shown as the mean  $\pm$  SEM from all groups (n = 10, in each group) and analysed with one-way non-parametric ANOVA test. Day 0, 14, 28 indicated the days post wire-injury.