**Tianhuang formula ameliorates non-alcoholic fatty liver diseases in type 2 diabetic mice through CRLS1-ATF3/ChREBP pathway**

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**List of Supporting Information**

Table S1. Primer sequences 2

**Table S1.** Primer sequences

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| --- | --- | --- | --- |
| Primer name | Sequence (5' to 3') | Source | Product size |
| Srebf1-F | CACTTCTGGAGACATCGCAAAC | Mouse | 22 |
| Srebf1-R | ATGGTAGACAACAGCCGCATC | Mouse | 21 |
| Fasn-F | CTGCGGAAACTTCAGGAAATG | Mouse | 21 |
| Fasn-R | GGTTCGGAATGCTATCCAGG | Mouse | 20 |
| Acaca-F | GGCCAGTGCTATGCTGAGAT | Mouse | 20 |
| Acaca-R | AGGGTCAAGTGCTGCTCCA | Mouse | 19 |
| Pparg-F | ATTCTGGCCCACCAACTTCGG | Mouse | 21 |
| Pparg-R | TGGAAGCCTGATGCTTTATCCCCA | Mouse | 24 |
| Slc27a1-F | TGCACAGCAGGTACTACCGCAT | Mouse | 22 |
| Slc27a1-R | TGCGCAGTACCACCGTCAAC | Mouse | 20 |
| Fabp1-F | TGGTCCGCAATGAGTTCACCCT | Mouse | 22 |
| Fabp1-R | CCAGCTTGACGACTGCCTTGACTT | Mouse | 24 |
| Cd36-F | TGGGTTTTGCACATCAAAGA | Mouse | 20 |
| Cd36-R | GATGGACCTGCAAATGTCAGA | Mouse | 21 |
| Pdk4-F | CAGGTTATGGGACAGACGCT | Mouse | 20 |
| Pdk4-R | CCCTGCTTGGGATACACCAG | Mouse | 20 |
| Ppara-F | AGAACCTGAGGAAGCCGTTC | Mouse | 20 |
| Ppara-R | TTAAGCACGTGCACAATCCC | Mouse | 20 |
| Cpt1a-F | TGACGGCTATGGTGTTTCCT | Mouse | 20 |
| Cpt1a-R | TTTTGGAATTGGCGGTGAGG | Mouse | 20 |
| Acox1-F | GGCCGCTATGATGGCAATGT | Mouse | 20 |
| Acox1-R | GGGCTTCAAGTGCTTGTAGTAAG | Mouse | 23 |
| Acadm-F | CTGACGCCGTGCAGATTTTC | Mouse | 20 |
| Acadm-R | CACGAGCTATGATCAGCCTCT | Mouse | 21 |
| GAPDH-F | ATGGTGAAGGTCGGTGTGAA | Mouse | 20 |
| GAPDH-R | GGTCGTTGATGGCAACAATCTC | Mouse | 22 |
| Il-1β-F | CCGTGGACCTTCCAGGATGA | Mouse | 20 |
| Il-1β-R | GGGAACGTCACACACCAGCA | Mouse | 20 |
| Mcp-1-F | CTCTTCACCTGCTCCACTGC | Mouse | 20 |
| Mcp-1-R | TGGCTCAGCCAGATGCAGT | Mouse | 19 |
| IL-6-F | AGTTGCCTTCTTGGGACTGA | Mouse | 20 |
| IL-6-R | TCCACGATTTCCCAGAGAAC | Mouse | 20 |
| TNF-α-F | CGCTCTTCTGTCTACTGAACTTCGG | Mouse | 25 |
| TNF-α-R | GTGGTTTGTGAGTGTGAGGGTCTG | Mouse | 24 |
| PEPCK-F | CTGCATAACGGTCTGGACTTC | Mouse | 21 |
| PEPCK-R | GGTGAAGACGCAGAAACCTTG | Mouse | 21 |
| G6Pase-F | CGACTCGCTATCTCCAAGTGA | Mouse | 21 |
| G6Pase-R | CGACTCGCTATCTCCAAGTGA | Mouse | 20 |
| ATF3-F | AAGGAAGAGCTGAGATTCGCC | Mouse | 21 |
| ATF3-R | TGTTTCGACACTTGGCAGCA | Mouse | 20 |
| CRLS1-F | TCGAAACTGGGCCAACCAAA | Mouse | 20 |
| CRLS1-R | TAGCTAGTGTTCGCGGTGTT | Mouse | 20 |
| ChREBP-F | ACAAAAAGCGGCTCCGTAAGTCC | Mouse | 23 |
| ChREBP-R | GGGGGCGGTAATTGGTGAAGAAA | Mouse | 24 |

1. #These authors contributed equally to this work: Yi Han and Yating Zhao.

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