

JHEP Reports CTAT methods

Tables for a “Complete, Transparent, Accurate and Timely account” (CTAT) are now mandatory for all revised submissions. The aim is to enhance the reproducibility of methods.

- Only include the parts relevant to your study
- Refer to the CTAT in the main text as ‘Supplementary CTAT Table’
- Do not add subheadings
- Add as many rows as needed to include all information
- Only include one item per row

If the CTAT form is not relevant to your study, please outline the reasons why:

| |
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| |
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1.1 Antibodies

| Name | Citation | Supplier | Cat no. | Clone no. |
|--|--|------------------------------|-------------|---|
| Anti-alpha smooth muscle Actin antibody | Manufacturer website | Abcam | ab5694 | Synthetic peptide corresponding to Human alpha smooth muscle Actin (N terminal) |
| Anti-PPAR gamma | Manufacturer website | Abcam | ab27649 | Synthetic peptide conjugated to KLH derived from within residues 50 - 150 of Human PPAR gamma |
| Anti-SCD1 antibody | Manufacturer website | Abcam | ab19862 | CD.E10 |
| Anti-GAPDH Mouse mAb | PMID: 16005468 | Millipore Sigma | CB1001 | 6C5 |
| Peroxidase AffiniPure Goat Anti-Rabbit IgG, Fc fragment specific | Zhao, Q., et.al. (2019) Genome Med. 11, 23 | Jackson Immuno Research Labs | 111-035-008 | RRID:AB_2337937 |
| Anti-mouse IgG, HRP-linked Antibody | PMID: 32968434 | Cell Signaling Technology | 7076 | N/A |

1.2 Cell lines

| Name | Citation | Supplier | Cat no. | Passage no. | Authentication test method |
|------|----------------|--------------|---------|-------------|----------------------------|
| LX-2 | PMID: 15591520 | Developed in | N/A | 18 | 1. Mycoplasma test |

| | | | | | |
|-------------------------------------|----------------------------------|--|---------|-----|---|
| | | Friedman Lab | | | 2. Fibrogenic gene expression (RT-qPCR) 3. Profibrotic protein expression (western blot) 4. mRNA seq |
| Primary Human Hepatic Stellate Cell | PMID: 1735526 | Cell isolation from 3 donors in Friedman lab | N/A | 3 | 1. Mycoplasma test 2. Immunostaining: Desmin, GFAP, α SMA, CD31, CD68 3. Fibrogenic gene expression (RT-qPCR) 5. Profibrotic protein expression (western blot) 5. mRNA seq |
| Primary Human Hepatocytes | PMID: 26592180 PMID: 25092305 | BioIVT (New York, NY) | 00995-P | N/A | 1. Secreted albumin and α 1-Antitrypsin (AAT) by ELISA 2. CYP3A4 activity assay |

1.3 Organisms – not applicable

| Name | Citation | Supplier | Strain | Sex | Age | Overall n number |
|------|----------|----------|--------|-----|-----|------------------|
| | | | | | | |

1.4 Sequence based reagents

| Name | Sequence | Supplier |
|------------------------------------|-----------------|----------|
| TruSeq® Stranded mRNA Library Prep | mRNA sequencing | Illumina |

1.5 Biological samples – not applicable

| Description | Source | Identifier |
|-------------|--------|------------|
| | | |

1.6 Deposited data

| Name of repository | Identifier | Link |
|--------------------|-------------|---|
| ArrayExpress | E-MTAB-9870 | https://www.ebi.ac.uk/arrayexpress/ |

1.7 Software

| Software name | Manufacturer | Version |
|-----------------------------|-------------------------------|--------------|
| Gen5 Microplate for Windows | BioTek Instruments | 3.10 |
| LightCycler 480 SW 1.5.1 | Roche Diagnostics Corporation | 1.5.1.62 |
| 2100 Expert | Agilent | B.02.11 |
| STAR | GitHub | 2.4.0c |
| RSeQC | SourceFroge | 3.0.1 |
| Picard | SourceForge | 1.119 |
| ImageJ | NIH | 1.52a |
| ZEN 2.6 (blue edition) | Carl Zeiss | 2.6.76.00000 |
| GraphPAD Prism | | 8.0.1 |

1.8 Other (e.g. drugs, proteins, vectors etc.)

| | | |
|---|--|---|
| Drug - Aramchol (arachidyl amido cholanoic acid) (F.W. 702.118) | Manufacturer - Galmed Pharmaceuticals | Purity - >99% |
| siRNA – SCD1 SMART pool (Accession no NM_005063); red fluorescent non-targeting control pool siRNA | Manufacturer - Horizon Discovery | Cat. no: E-005061-00-0010 (for SCD1); D-001910-10-20 (for non-targeting control) |
| Vector - pCMV6-Entry plasmid ; pCMV6-SCD1 plasmid (SCD1 Accession no NM_005063) | Manufacturer - Origene | Cat. no: PS100001 (for Entry plasmid) ; RC209148 (for human SCD1 plasmid) |

1.9 Please provide the details of the corresponding methods author for the manuscript:

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2.0 Please confirm for randomised controlled trials all versions of the clinical protocol are included in the submission. These will be published online as supplementary information.

Not applicable