

## Journal of Hepatology

### 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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#### 1.1 Antibodies

Name	Citation	Supplier	Cat no.	Clone no.
RNase7		Abcam	#ab205565	4C4
ROS1		Abcam	#ab5512	
Phosphor-ROS1 (Tyr2274)		Cell Signaling Technology	#3078	
Phosphor-ROS1 (Tyr2274)		Thermo Fisher Scientific	PA5-64608	
Phosphor-ERK1/2 (Thr202/Tyr204)		Cell Signaling Technology	#9101	
ERK1/2		Cell Signaling Technology	#9102	
Flag		Sigma-Aldrich	#F1804	M2
Tubulin		Abcam	ab11304	B-5-1-2
Phosphor-ROS1 (Tyr2274)		This paper		

#### 1.2 Cell lines

Name	Citation	Supplier	Cat no.	Passage no.	Authentication test method
HEK-293T		ATCC	CRL-3216	8	STR fingerprinting
WRL68		ATCC	CL-48	5	STR fingerprinting
HepG2		ATCC	HB-8065	12	STR fingerprinting
HA59T	Oncogene (2011) 30, 1773–1783 & 2011	China Medical University Hospital		4	STR fingerprinting

Huh7	Oncogene (2011) 30, 1773–1783 & 2011	China Medical University Hospital		5	STR fingerprinting
Hep3B		ATCC	HB-8064	4	STR fingerprinting
Tong	Oncogene (2011) 30, 1773–1783 & 2011	China Medical University Hospital		5	STR fingerprinting
SKHeP1	Oncogene (2011) 30, 1773–1783 & 2011	China Medical University Hospital		5	STR fingerprinting
HeLa		ATCC	CCL-2	15	STR fingerprinting

### 1.3 Organisms

Name	Citation	Supplier	Strain	Sex	Age	Overall n number
J:NU mice		The Jackson Laboratory	007850	male	4-6weeks	120

### 1.4 Sequence based reagents

Name	Sequence	Supplier
shRNA targeting human ROS1 #1	CCGGCCACAGCTACAAACCAACAACTCG AGTTTGTTGGTTTGTAGCTGTGGTTTTT	Sigma-Aldrich
shRNA targeting human ROS1 #2	CCGGCTGTGGATGGAGATCTTATATCTCGAGA TATAAGATCTCCATCCACAGTTTTTG	Sigma-Aldrich
shRNA targeting human RNase7 #1	CCGTCTTTGGCTGACCTTCAATTCCTCGAG GAATTGAAGGTCAGCCAAAGATTTTTG	Sigma-Aldrich
shRNA targeting human RNase7 #2	CCGGGGGATTGTATGCCTTCTTTATCTCGAG ATAAAGAAGGCATACAATCCCTTTTTG	Sigma-Aldrich

### 1.5 Biological samples

Description	Source	Identifier
Human plasma samples	Zhongshan Hospital	NA
Human tissue microarray	Zhongshan Hospital	NA

### 1.6 Deposited data

Name of repository	Identifier	Link
RNaseq data	This paper	GEO: GSE156510

## 1.7 Software

Software name	Manufacturer	Version
GraphPad Prism	GraphPad Software	8.0.2
ImageJ	NIH	1.52a
R	The R foundation	3.6.1
Microcal Origin	Microcal Software, Inc.	7.0
Cluspro	Vajda Lab at Boston University	2.0
UCSF Chimera	RBVI at the University of California, San Francisco.	1.11.2
PyMOL	Schrödinger Inc.	2.3.3

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

Crizotinib	Selleck Chemicals	#PF-02341066
Ceritinib	Selleck Chemicals	#S7083
Recombinant Human RNases Protein	This paper	
pCDH-CMV-MCS-EF1-Puro	System Biosciences	#CD510B-1
pCDH-CMV-MCS-EF1-Neo	System Biosciences	#CD514B-1

## 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.

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