

## Match Overview

- 1** **Crossref** 34 words  
Leilei Chen, Tim Hon Man Chan, Xin-yuan Guan. "Chromos...  
me 1q21 amplification and oncogenes in hepatocellular carcin 1%
- 2** **Crossref** 18 words  
Yoshikazu Inagaki, Kohichiroh Yasui, Mio Endo, Tomoaki Nak  
ajima et al. "CREB3L4, INTS3, and SNAPAP are targets for ... 1%
- 3** **Internet** 16 words  
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[publications.waset.org](http://publications.waset.org) <1%
- 4** **Crossref** 15 words  
Wong, N.. "Positional mapping for amplified DNA sequence...  
on 1q21-q22 in hepatocellular carcinoma indicates candidate <1%
- 5** **Internet** 14 words  
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**Name of Journal:** *World Journal of Hepatology*

**Manuscript NO:** 64881

**Manuscript Type:** MINIREVIEWS

**Role of chromosome 1q copy number variation in hepatocellular carcinoma**

Chromosome 1q and HCC

### Abstract

Chromosome 1q often has been observed to be amplified in hepatocellular carcinoma. This review summarizes literature reports of multiple genes that have been proposed as possible 1q amplification drivers. These largely fall within 1q21-1q23. In addition, publicly available copy number alteration data from The Cancer Genome Atlas project were used to identify additional candidate genes involved in carcinogenesis. The most frequent location for gene amplification was 1q22, consistent with the results of the literature search. The genes TPM3 and NUF2 were found to be candidates whose amplification and/or mRNA up-regulation was most highly associated with poorer





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By integrating our results with copy number variation analyses, we observed that GNPAT, PPOX and five of the methyltransferase genes (ASH1L, METTL13, SMYD2, TARBP1 and SMYD3), which are all located on chromosome 1q, had **increased copy numbers** in the cancer samples relative to the normal samples.

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hepatitis C virus infection reveals the role of copy number **increases** in regions of chromosome 1q in hepatocellular carcinoma metabolism. Molecular BioSystems, 12(5), 1496-1506.

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Systems biology analysis of hepatitis C virus infection reveals the **role of copy number** increases in regions of **chromosome 1q in hepatocellular carcinoma** metabolism† Ibrahim E. Elsemman , abc Adil Mardinoglu , ad Saeed Shoaie , a Taysir H. Soliman e and Jens Nielsen \* ad

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## Clinical implication of recurrent copy number alterations ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2698448>

Dec 15, 2008 · Those results suggest that copy number gains on 1q (RAR-G1 and 2) **induce overexpression of TPM3 and KIF14**, subsequently **influencing hepatocarcinogenesis**. Although copy...

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Author: Tae-Min Kim, Seon-Hee Yim, Seung-Hun Sh...

Publish Year: 2008

## A Meta-Analysis of Array-CGH Studies Implicates Antiviral ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3236189>

Dec 12, 2011 · Among these regions, chromosome 1q was most significantly affected by **copy number gain** and chromosome 8p was most significantly affected by copy number loss. In particular, gains in...

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Author: Xu Guo, Yanna, Xi Ma, Jiaze An, Yukui Shan...

Publish Year: 2011