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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Polymorphism | Author | Year | population | Sample size | | MAF(%)  (controls) | Influence on | References |
| cases | controls |
| rs13105517  (G/A) | Neamatallah et al. | 2020 | Egyptian | 1680 | 1615 | 11.00 | The risk of chronic hepatitis C | [77] |
| rs3804099  (T/C) | Neamatallah et al. | 2020 | Egyptian | 1680 | 1615 | 27.00 | The risk of HCV-related HCC | [77] |
| rs1898830-rs1816702-rs13105517 - rs3804099 haplotype | - | The risk of HCV-related HCC |
| -196 to -174 del/ins | Nischalke et al. | 2012 | German | 381 | 347 | 15.25 | The risk of HCV-related HCC; HCV viral load | [78] |
| Abbreviations: MAF: minor allele frequency; HCC: [hepatocellular](javascript:;) [carcinoma](javascript:;). | | | | | | | | |