|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Gene | Polymorphism | Author | Year | population | Sample size | MAF(%)(controls) | Influence on | References |
| cases | controls |
| TLR8 | rs3764879(G/C) | El-Bendary et al. | 2018 | Egyptian | 1908 | 1460 | - | Susceptibility to HCV infection | [79, 106] |
| rs3764880(A/G) | El-Bendary et al. | 2018 | Egyptian | 1908 | 1460 | - | Susceptibility to HCV infection; HCV clearance  | [79, 106] |
| rs1013151(C/T) | Fernández-Rodríguez et al. | 2015 | European descent | 220 | - | - | Progression of chronic hepatitis C in HIV/HCV co-infected patients | [112] |
| rs5744069(G/T) | Fernández-Rodríguez et al. | 2015 | European descent | 220 | - | - | Progression of chronic hepatitis C in HIV/HCV co-infected patients | [112] |
| TLR9 | rs5743836(T/C) | Hamdy et al. | 2018 | Egyptian | 281 | 265 | 12.35 | Susceptibility to HCV infection | [13, 89, 113] |
| rs352140(G/A) | Hamdy et al. | 2018 | Egyptian | 281 | 265 | 48.20 | Susceptibility to HCV infection | [13] |
| Valverde-Villega et al. | 2017 | Brazilian | 374 | 415 | - | Susceptibility to HCV/HIV co-infection | [114] |
| Youssef et al. | 2017 | Egyptian | 120 | - | - | HCV-related liver fibrosis and cirrhosis | [115] |
| Clausen et al. | 2014 | Caucasian | 308 | 216 | 46.88 | The outcome of HCV infection | [116] |
| rs187084（T/C） | Fischer et al. | 2017 | Caucasian | 494 | 1057 | 41.5 | HCV clearance | [61] |
| Abbreviation: MAF: minor allele frequency. |