Table S1. List of RNA modifications in regulating virus infection

Modifications-virus	References
m^6A	
HIV-1	(Lichinchi, Gao et al. 2016; Kennedy, Bogerd et al. 2017; Tirumuru, Zhao et al. 2017; Lu, Tirumuru et al. 2018; Tirumuru and Wu 2019)
Avian sarcoma virus, Rous sarcoma virus	(Stoltzfus and Dane 1982; Kane and Beemon 1985)
Murine leukemia virus	(Courtney, Tsai et al. 2019; Courtney 2021)
Influenza virus	(Krug, Morgan et al. 1976; Narayan, Ayers et al. 1987; Courtney, Kennedy et al. 2017)
Flavivirus genus, Poliovirus, Enterovirus 71	(Gokhale, McIntyre et al. 2016; Lichinchi, Gao et al. 2016; McIntyre, Netzband et al. 2018; Hao, Hao et al. 2019)
Vesicular stomatitis virus, SARS-COV-2, Sendai virus, Mink enteritis parvovirus, HBV, HCV, encephalon myocarditis virus, herpes simplex virus type 1, Human metapneumovirus	In the present review.
m^5C	
Zika virus, Dengue virus, HCV, Poliovirus, HIV-1	(McIntyre, Netzband et al. 2018)
Murine leukemia virus	(Courtney, Tsai et al. 2019)
Sindbis virus, Drosophila C virus, Influenza virus	In the present review.
2'-O-Me/m^7G	
Viruses within *Corona-, Arteri-, Rhabdo-, Filo-, Paramyxo-, Pox-, and Reo-, Retro-, Togaviridae* families, flavivirus genus	(Decroly, Ferron et al. 2011; Decroly and Canard 2017)
Zika virus, Dengue virus, HCV, Poliovirus,HIV-1	(Dong, Chang et al. 2012; McIntyre, Netzband et al. 2018; Courtney, Tsai et al. 2019)
Murine leukemia virus	
HIV-1, Viruses within *Corona-, Arteri-, Rhabdo-, Filo-, Paramyxo-, Pox-, Reoviridae* families and flavivirus genus	In the present review.
A-to-I	
HIV-1,HCV, Hepatitis δ virus	(Taylor, Puig et al. 2005; Casey 2006; Phuphuakrat, Kraiwong et al. 2008; Doria, Neri et al. 2009; McIntyre, Netzband et al. 2018)
Zika virus, Dengue virus, and Poliovirus	(Khrustalev, Khrustaleva et al. 2017; Piontkivska, Frederick et al. 2017; McIntyre, Netzband et al. 2018)
Influenza virus, Mink enteritis parvovirus, Vesicular stomatitis virus, Yellow fever virus, Chikungunya virus, Venezuelan equine encephalitis virus, Borna disease virus, Measles virus, Respiratory syncytial virus	In the present review.

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