

Supplementary

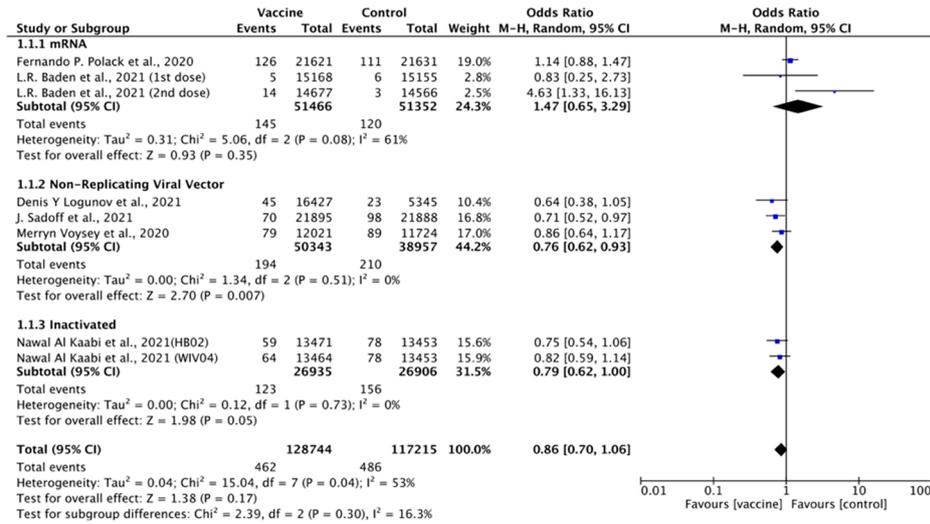


Figure S1. Forest plot of association between serious adverse events and COVID-19 vaccine.

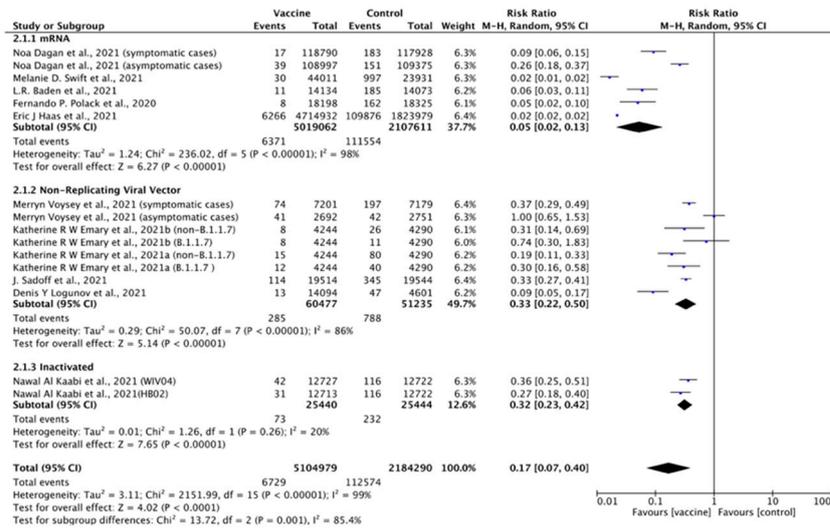


Figure S2. Forest plot of association between COVID-19 cases and vaccination after the 2 dose.

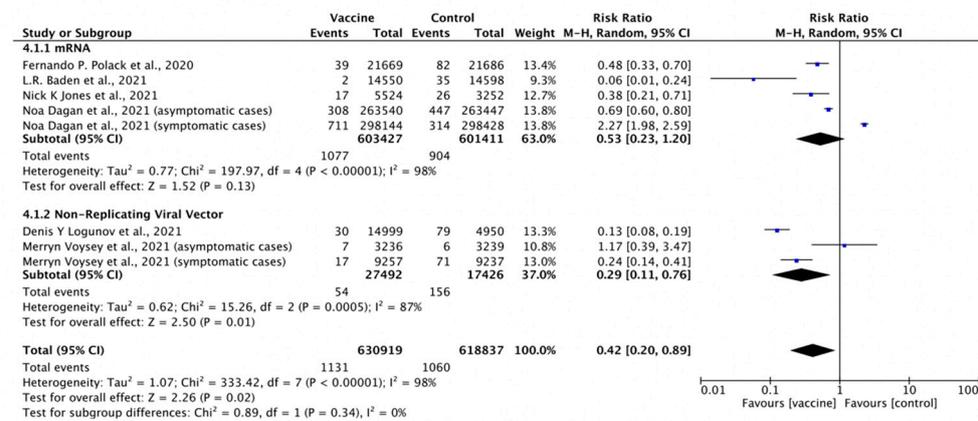
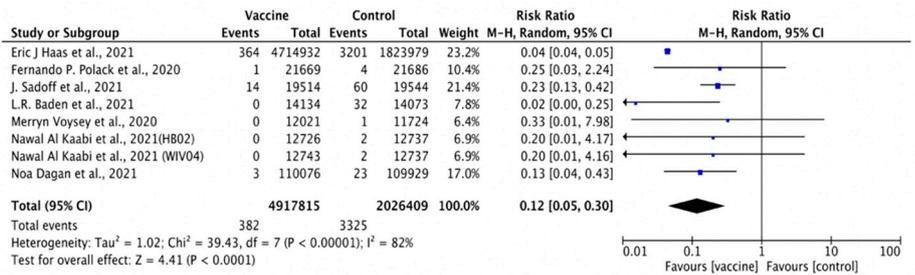
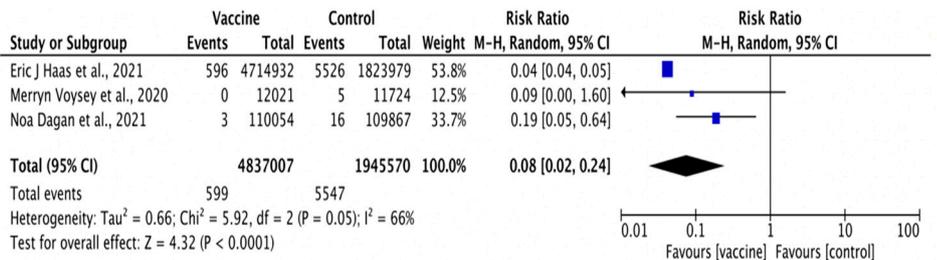


Figure S3. Forest plot of association between COVID-19 cases and vaccination after the first dose.

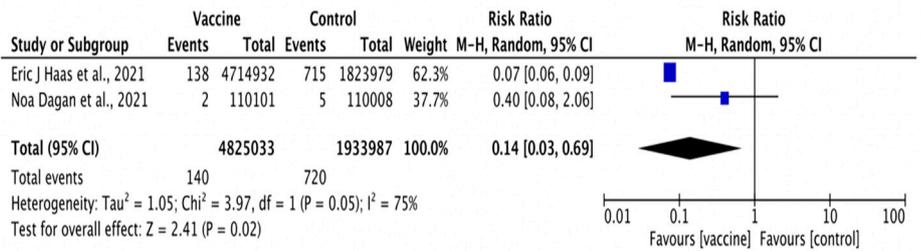
a.



b.



c.



**Figure S4.** Forest plot of association between severity of COVID-19 and vaccines. (a): Severe cases; (b): Hospitalized cases; (c): Death.