Unexpected Co-infection with Different Strains of SARS-CoV-2 in Patients with COVID-19

Hayder O. Hashim 1, Mudher K. Mohammed 2, Mazin J. Mousa 3, Hadeer H. Abdulameer 4, Alaa T.S. Alhassnawi 5, Safa A. Hassan 6 and Mohammed Baqur S. Al-Shuhaib 7,*

1. Department of Clinical Laboratory Sciences, College of Pharmacy, University of Babylon, Babil 51001, Iraq; phar.hayder.obayes@uobabylon.edu.iq; orcid: https://orcid.org/0000-0001-8933-0994
2. Department of Pharmacy, Al-Manara College of Medical Science, Iraq; ph.mudher79@gmail.com
3. Department of Clinical Laboratory Sciences, College of Pharmacy, University of Babylon, Babil 51001, Iraq; phar.mazin.jaafar@uobabylon.edu.iq or mazin.mousa@gmail.com; orcid: https://orcid.org/0000-0003-2209-010X
4. Faculty of Education for Girls, University of Kufa; hedear1.h@gmail.com
5. Department of Biology, College of Science, University of Babylon, Babil 51001, Iraq; alaatark79@yahoo.com
6. Babylon branch, Alfadhil for Training and Development Company; al7507242@gmail.com
7. Department of Animal Production, College of Agriculture, Al-Qasim Green University, Al-Qasim, Babil 51001, Iraq
* Correspondence: mohammed79@agre.uoqasim.edu.iq or baquralhilli_79@yahoo.com; orcid: https://orcid.org/0000-0002-6458-2068

Supplementary Materials: Places of origin of SARS-CoV-2 samples taken from Babylon province, Iraq