We Claim:

1. A method of treating a patient infected with SARS-CoV-2 comprising administering to the patient in need of such treatment a therapeutically effective amount of tofacitinib or a pharmaceutically acceptable salt thereof.

2. A method of treating a patient infected with SARS-CoV-2 comprising administering to the patient in need of such treatment 5 mgs of tofacitinib BID or an equivalent amount of tofacitinib in the form of a pharmaceutically acceptable salt thereof.

3. A method of treating a patient infected with SARS-CoV-2 comprising administering to the patient in need of such treatment 10 mgs of tofacitinib BID or an equivalent amount of tofacitinib in the form of a pharmaceutically acceptable salt thereof.

4. A method of treating a patient infected with SARS-CoV-2 comprising administering to the patient in need of such treatment 11 mgs of tofacitinib QD or an equivalent amount of tofacitinib in the form of a pharmaceutically acceptable salt thereof.

5. A method of treating a patient infected with SARS-CoV-2 comprising administering to the patient in need of such treatment a therapeutically effective amount of tofacitinib, or a pharmaceutically acceptable salt thereof, wherein IL-6 levels are reduced by at least 20%.

6. A method of treating a patient infected with SARS-CoV-2 comprising administering orally to the patient in need of such treatment 2.5-15 mgs of tofacitinib, or an equivalent amount of tofacitinib in the form of a pharmaceutically acceptable salt thereof, wherein IL-6 levels are reduced by at least 20%.

7. A method of treating a patient infected with SARS-CoV-2 comprising administering orally to the patient in need of such treatment 10 mgs of tofacitinib BID, or an equivalent amount of tofacitinib in the form of a pharmaceutically acceptable salt thereof, wherein IL-6 levels are reduced by at least 20%.

8. A method of treating a patient infected with SARS-CoV-2 comprising administering orally to the patient in need of such treatment 10 mgs of tofacitinib BID, or an equivalent amount of

tofacitinib in the form of a pharmaceutically acceptable salt thereof, wherein IL-6 levels are reduced by at least 50%.

9. A method of treating a patient infected with SARS-CoV-2 comprising administering orally to the patient in need of such treatment 10 mgs of tofacitinib BID, or an equivalent amount of tofacitinib in the form of a pharmaceutically acceptable salt thereof, wherein IL-6 levels are reduced by at least 75%.

10. A method of treating a patient infected with SARS-CoV-2 comprising administering orally to the patient in need of such treatment 10 mgs of tofacitinib BID, or an equivalent amount of tofacitinib in the form of a pharmaceutically acceptable salt thereof, wherein IL-6 and IL-8 levels are each reduced by at least 35%.

11. A method of treating a patient infected with SARS-CoV-2 comprising administering orally to the patient in need of such treatment 10 mgs of tofacitinib BID, or an equivalent amount of tofacitinib in the form of a pharmaceutically acceptable salt thereof, wherein IL-6, IL-8, and TNFα levels are each reduced by at least 35%.

12. A method of treating a patient infected with SARS-CoV-2 comprising administering orally to the patient in need of such treatment 10 mgs of tofacitinib BID, wherein IL-6, IFNα, IFNβ, and TNFα levels are each reduced by at least 35%.

13. A method of treating a patient infected with SARS-CoV-2 comprising administering orally to the patient in need of such treatment 10 mgs of tofacitinib BID, or an equivalent amount of tofacitinib in the form of a pharmaceutically acceptable salt thereof, wherein IFNγ, IL-6, IL-15, IL-21, and IL-27 levels are each reduced by at least 20%.

14. A method of treating a patient infected with SARS-CoV-2 comprising administering orally to the patient in need of such treatment 10 mgs of tofacitinib BID, or an equivalent amount of tofacitinib in the form of a pharmaceutically acceptable salt thereof, wherein IFNα, IFNγ, IL-2, IL4, IL-6, IL-7, IL-10, IL-12, IL13, IL-15, and IL-23 levels are each reduced by at least 20%.

15. A method of treating a patient infected with SARS-CoV-2 comprising administering to the patient in need of such treatment 400 mgs of PF-06650833 QD or an equivalent amount of PF-06650833 in the form of a pharmaceutically acceptable salt thereof.

16. A method of treating a patient infected with SARS-CoV-2 comprising administering to the patient in need of such treatment 200 mgs of PF-06650833 Q6H or an equivalent amount of PF-06650833 in the form of a pharmaceutically acceptable salt thereof.

17. A method of treating a patient infected with SARS-CoV-2 comprising administering to the patient in need of such treatment a therapeutically effective amount of PF-06650833, or a pharmaceutically acceptable salt thereof, wherein IL-6 levels are reduced by at least 75%.

18. A method of treating a patient infected with SARS-CoV-2 comprising administering to the patient in need of such treatment 100-800 mgs of PF-06650833, or an equivalent amount of PF-06650833 in the form of a pharmaceutically acceptable salt thereof, wherein IL-6 levels are reduced by at least 75%.

19. A method of treating a patient infected with SARS-CoV-2 comprising administering orally to the patient in need of such treatment 400 mgs of PF-06650833 QD, or an equivalent amount of PF-06650833 in the form of a pharmaceutically acceptable salt thereof, wherein IL-6 levels are reduced by at least 75%.

20. A method of treating a patient infected with SARS-CoV-2 comprising administering to the patient in need of such treatment 200 mgs of PF-06650833 Q6H, or an equivalent amount of PF-06650833 in the form of a pharmaceutically acceptable salt thereof, wherein IL-6 levels are reduced by at least 75%.

21. A method of treating a patient infected with SARS-CoV-2 comprising administering orally to the patient in need of such treatment 400 mgs of PF-06650833 QD, or an equivalent amount of PF-06650833 in the form of a pharmaceutically acceptable salt thereof, wherein IL-6 IL-1, and TNFα levels are each reduced by at least 20%.

22. A method of treating a patient infected with SARS-CoV-2 comprising administering to the patient in need of such treatment 200 mgs of PF-06650833 Q6H, or an equivalent amount of

PF-06650833 in the form of a pharmaceutically acceptable salt thereof, wherein IL-6 IL-1, and TNFα levels are each reduced by at least 20%.

23. A method of treating a patient infected with SARS-CoV-2 comprising administering orally to the patient in need of such treatment 400 mgs of PF-06650833 QD, or an equivalent amount of PF-06650833 in the form of a pharmaceutically acceptable salt thereof, wherein IL-6 IL-1, TNFα, IFNα, and IFNγ levels are each reduced by at least 20%.

24. A method of treating a patient infected with SARS-CoV-2 comprising administering to the patient in need of such treatment 200 mgs of PF-06650833 Q6H, or an equivalent amount of PF-06650833 in the form of a pharmaceutically acceptable salt thereof, wherein IL-6 IL-1, TNFα, IFNα, and IFNγ levels are each reduced by at least 20%.

25. A method of treating a patient infected with SARS-CoV-2 comprising administering orally to the patient in need of such treatment 400 mgs of PF-06650833 QD, or an equivalent amount of PF-06650833 in the form of a pharmaceutically acceptable salt thereof, wherein IL-6 IL-1, TNFα, IFNα, IFNγ, and CXCL8 levels are each reduced by at least 20%.

26. A method of treating a patient infected with SARS-CoV-2 comprising administering to the patient in need of such treatment 200 mgs of PF-06650833 Q6H, or an equivalent amount of PF-06650833 in the form of a pharmaceutically acceptable salt thereof, wherein IL-6 IL-1, TNFα, IFNα, IFNγ, and CXCL8 levels are each reduced by at least 20%.

27. A method of treating a patient infected with SARS-CoV-2 comprising administering orally to the patient in need of such treatment 400 mgs of PF-06650833 QD, or an equivalent amount of PF-06650833 in the form of a pharmaceutically acceptable salt thereof, wherein CRP levels are reduced by at least 50% and wherein IL-6 IL-1, TNFα, IFNα, IFNγ, and CXCL8 levels are each reduced by at least 20%.

28. A method of treating a patient infected with SARS-CoV-2 comprising administering to the patient in need of such treatment 200 mgs of PF-06650833 Q6H, or an equivalent amount of PF-06650833 in the form of a pharmaceutically acceptable salt thereof, wherein CRP levels are reduced by at least 50% and wherein IL-6 IL-1, TNFα, IFNα, IFNγ, and CXCL8 levels are each reduced by at least 20%.