INTRODUCTION

The evolution and emergence of severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) variants have caused concern for increased transmissibility (Davies et al., 2021), pathogenicity (Davies et al., 2021), and altered effectiveness of diagnostics (Ascoli, 2021), therapeutics and vaccines (Altmann et al., 2021). Human-to-animal transmission of SARS-CoV-2 is well-documented.
TABLE 1  Longitudinal SARS-CoV-2 test results for a pet dog and cat from the same household in Texas that were confirmed for infection with the B.1.1.7 variant of concern

| Animal ID number, date of sample collection | N1/N2 real-time (RT) PCR Ct values for swab testing | Viral neutralization endpoint titre | Viral isolation | Genome sequence GISAID accession |
|--------------------------------------------|--------------------------------------------------|-----------------------------------|-----------------|----------------------------------|
|                                            | oral     | nasal   | rectal  | fur            |                                |              |                              |                              |
| Dog TAMU−466                               | Feb 12 2021 | 28.8/28.7 | 28.5/28.8 | nd/nd          | nd/37.9                   | nd           | Oral, nasal, fur negative    | hCoV−19/dog/USA-TAMU−21−005988−002−466/2020 |
|                                            | Mar 11 2021 | nd/nd    | nd/nd   | nd/nd          | 35.9/38.4                | 1:16         | na                           | na                            |
|                                            | Mar 15 2021 | 36.9/39.4 | nd/nd   | nd/nd          | 18                        | na           | na                           | na                            |
| Cat TAMU−467                               | Feb 12 2021 | 31.4/31.7 | 24.8/24.3 | nd/39.2        | 35.2/34.9                | nd           | Oral, fur negative; nasal positive | hCoV−19/cat/USA-TAMU−21−005988−005−467/2020 |
|                                            | Mar 11 2021 | nd/nd    | nd/nd   | nd/nd          | 34.6/374                 | 1:64         | na                           | na                            |
|                                            | Mar 15 2021 | nd/nd    | nd/nd   | nd/nd          | 36.7/38.1                | 1:64         | na                           | na                            |

Abbreviations: N1/N2, virus nucleocapsid gene target region 1 and 2; na, not attempted; nd, not detected.

*Testing was conducted at both the Wisconsin Veterinary Diagnostic Laboratory and National Veterinary Services Laboratory (NVSL). When detected in both laboratories, the Ct values were averaged by target.

*Texas dog and cat viral genome sequences available at GISAID under these accession numbers, which include state of origin (TX); submitting laboratory (TAMU/Texas A&M University); NVSL accession (21-00598); and animal ID (dog, 466; cat, 467).
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[Correction added on 27 May 2021, after first online publication: The funding statement has been added before the last sentence of the Acknowledgments in this current version.]

CONFLICTS OF INTEREST
The authors declare no conflict of interest.

AUTHOR CONTRIBUTIONS
S.A.H. R. R. G., C.B.B. and G.L.H.: involved in conceptualization. S.A.H., I.B.Z., L.D.A., C.M.R., E.D., R.E.B., W.T., A.P.-C., M.L.K., M.J.-M., M.K.T., S.R.A., A.L. and G.L.H.: involved in methodology. M.L.K., M.J.-M. and M.K.T.: involved in validation. S.A.H., R.R.G., M.J.-M., M.K.T., S.R.A. and G.L.H.: involved in formal analysis. S.A.H., I.B.Z., L.D.A., C.M.R., E.D., R.E.B., W.T., M.J.-M., M.K.T., S.R.A. and A.L.: involved in investigation. S.A.H., R.R.G., Y.A., R.S.B.F., C.B.B. and G.L.H.: involved in resources. S.A.H., L.D.A. and C.M.R.: involved in data curation. S.A.H. and G.L.H.: involved in writing—original draft preparation. All authors: involved in writing—review and editing. S.A.H. R. R. G. C.B.B. and G.L.H.: involved in supervision. S.A.H., L.D.A., Y.A., R.S.B.F. and G.L.H.: involved in project administration. S.A.H., R.R.G., C.B.B., G.L.H.: involved in funding acquisition. All authors have read and agreed to the published version of the manuscript.

ETHICAL APPROVAL
All samples were obtained from privately owned animals in accordance with guidelines approved by the Texas A&M University’s Institutional Animal Care and Use Committee and Clinical Research Review Committee on May 14, 2020 (2018–0460 CA). Research was exempt from Institutional Review Board oversight.

DATA AVAILABILITY STATEMENT
The whole-genome sequences from this study are available at GISAID accession numbers hCoV-19/dog/USA/TX-TAMU-21-005988–002-466/2020 and hCoV-19/cat/USA/TX-TAMU-21-005988–005-467/2020.

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