**Figure 1-source data 1. Estimated viral load curves from the three analyzed models**

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| Day after symptom onsets | Viral load (log10 RNA copies/ml) |
| Baseline model | “Eclipse phase” model | “Innate immune response” model |
| 0 | 4.514(3.936 to 4.722) | 4.719(4.230 to 4.811) | 4.588(4.324 to 4.591) |
| 1 | 5.409(4.625 to 6.159) | 5.536(4.931 to 6.216) | 5.465(3.861 to 6.925) |
| 2 | 5.348(4.918 to 5.879) | 5.652(5.007 to 6.004) | 5.883(3.672 to 6.726) |
| 3 | 5.091(4.696 to 5.630) | 5.412(4.754 to 5.725) | 5.582(3.576 to 6.457) |
| 4 | 4.810(4.419 to 5.392) | 5.079(4.302 to 5.472) | 5.113(2.805 to 6.080) |
| 5 | 4.524(4.124 to 5.154) | 4.726(3.848 to 5.201) | 4.644(1.777 to 5.643) |
| 6 | 4.236(3.789 to 4.916) | 4.367(3.393 to 4.922) | 4.210(0.755 to 5.263) |
| 7 | 3.947(3.405 to 4.678) | 4.008(2.939 to 4.709) | 3.809(-0.262 to 5.196) |
| 8 | 3.658(3.022 to 4.441) | 3.647(2.484 to 4.518) | 3.433(-1.277 to 4.980) |
| 9 | 3.369(2.638 to 4.203) | 3.286(2.029 to 4.317) | 3.070(-2.291 to 4.701) |
| 10 | 3.080(2.254 to 3.965) | 2.926(1.575 to 4.251) | 2.717(-3.305 to 4.617) |
| 11 | 2.790(1.870 to 3.727) | 2.565(1.120 to 4.121) | 2.368(-4.318 to 4.644) |
| 12 | 2.501(1.487 to 3.489) | 2.204(0.665 to 4.051) | 2.021(-5.332 to 4.635) |
| 13 | 2.212(1.103 to 3.251) | 1.843(0.211to 3.916) | 1.676(-6.345 to 4.587) |
| 14 | 1.922(0.715 to 3.013) | 1.482(0.050 to 3.803) | 1.331(-7.358 to 4.506) |
| 15 | 1.633(0.322 to 2.775) | 1.121(-0.399 to 3.750) | 0.987(-8.371 to 4.400) |
| 16 | 1.344(-0.027 to 2.537) | 0.761(-0.848 to 3.622) | 0.642(-9.384 to 4.277) |
| 17 | 1.054(-0.331 to 2.299) | 0.400(-1.297 to 3.475) | 0.298(-10.397 to 4.152) |
| 18 | 0.765(-0.710 to 2.061) | 0.039(-1.746 to 3.340) | -0.046(-11.411 to 4.051) |
| 19 | 0.476(-1.089 to 1.823) | -0.322(-2.195 to 3.209) | -0.390(-12.424 to 3.943) |
| 20 | 0.186(-1.468 to 1.585) | -0.683(-2.645 to 3.101) | -0.734(-13.437 to 3.831) |

Note: The numbers in parentheses are the 95% empirical CI.