## **Description of Additional Supplementary Files**

File Name: Supplementary Data 1

**Description:** Sample summary

File Name: Supplementary Data 2

**Description:** Amplicon-sequencing primer sequences

File Name: Supplementary Data 3

**Description:** Amplicon-Seq data summary

File Name: Supplementary Data 4

**Description:** Poly-A+ RNA-Seq data summary

File Name: Supplementary Data 5

**Description:** Deletions enriched in the asymptomatic and symptomatic samples

File Name: Supplementary Data 6

**Description:** Iso-Seq data summary

File Name: Supplementary Data 7

Description: Identified peptides unique to Iso-Seq full-length transcript units (TUs) translation

File Name: Supplementary Data 8

**Description:** Source data