**Data Sharing Statement**

| Item | Question | Authors’ Response (place “-” if not applicable) |
|------|----------|--------------------------------------------------|
| 1    | Would you like to share data collected for your study to others? | Yes |
|      | If not, would you like to share the reason for your decision? | - |
| 3    | What data in particular will be shared? | The detailed next-generation sequencing (NGS) and traditional culture results of each patients will be shared. we also found NGS shows outstanding advantages in the diagnosis of bacterial and fungal infections. |
| 4    | Any other documents will be shared? Such as study protocol, statistical analysis plan, informed consent form, clinical study report, analytic code. | Study protocol and statistical analysis plan will also be shared if requested. |
| 5    | When will data availability begin? | From the publication date. |
| 6    | When will data availability end? | Two years within the publication date, since the technique may be updated over time. |
| 7    | To whom will you share the data? | Researches who provide a methodologically sound proposal. |
| 8    | For what type of analysis or purpose? | For analysis to evaluate the performance of NGS in clinical infectious patients. |
| 9    | How or where can the data/documents be obtained? | Emails could be sent to the address below to obtain the shared data: 1206339230@qq.com. |
| 10   | Any other restrictions? | We may balance the potential benefits and risks for each request and then provide the data that could be shared. |