| Data Sharing Statement |                                                                                                                                                     |                                                                                                                                                         |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| Article<br>Info        | http://dx.doi.org/10.21037/jtd-20-3185                                                                                                              |                                                                                                                                                         |
| Item                   | Question                                                                                                                                            | Authors' Response (place "-" if not applicable)                                                                                                         |
| 1                      | Would you like to share data collected for your study to others?                                                                                    | Yes.                                                                                                                                                    |
| 2                      | If not, would you like to share the reason for your decision?                                                                                       | -                                                                                                                                                       |
| 3                      | What data in particular will be shared?                                                                                                             | The data about plasma samples from 245 patients with advanced NSCLC and 30 healthy donors will be shared.                                               |
| 4                      | Any other documents will be shared? Such as study protocol, statistical analysis plan, informed consent form, clinical study report, analytic code. | Statistical analysis plan, informed consent form, and clinical study report will also be shared if requested.                                           |
| 5                      | When will data availability begin?                                                                                                                  | From the publication date.                                                                                                                              |
| 6                      | When will data availability end?                                                                                                                    | Three years within the publication date, since the technique or survival date may be updated over time.                                                 |
| 7                      | To whom will you share the data?                                                                                                                    | Medical researchers who are interested in studies of pemetrexed-based chemotherapy in various tumors.                                                   |
| 8                      | For what type of analysis or purpose?                                                                                                               | For analysis to evaluate the potential use of plasma TS and DHFR mRNA levels as biomarkers for predicting sensitivity to pemetrexed-based chemotherapy. |
| 9                      | How or where can the data/documents be obtained?                                                                                                    | Emails could be sent to the address below to obtain the shared data: cnbqem79@163.com.                                                                  |
| 10                     | Any other restrictions?                                                                                                                             | We may balance the potential benefits and risks foreach request and then provide the data that could be shared.                                         |