| 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 regarding the procedure of prokaryotic expression and purification of HLA-G5 protein and ligand system evolution and aptamer screening. |
| 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, 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?                                                             | Two years within the publication date, since the technique or survival date may be updated over time. |
| 7    | To whom will you share the data?                                                            | Obstetrician and gynecologist who are interested in the soluble human leukocyte antigen G5. |
| 8    | For what type of analysis or purpose?                                                        | For analysis to explore novel nucleic acid aptamers. |
| 9    | How or where can the data/documents be obtained?                                             | Emails could be sent to the address below to obtain the shared data: yqyao_ghpla@163.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. |