## Data Sharing Statement

| Item | Question                                                                 | Authors’ Response                                                                 |
|------|--------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| 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?                                  | We declared that materials described in the manuscript, including all relevant raw data, will be freely available to any scientist wishing to use them for non-commercial purposes, without breaching participant confidentiality. |
| 4    | Any other documents will be shared? Such as study protocol, statistical analysis plan, informed consent form, clinical study report, analytic code. | None                                                                              |
| 5    | When will data availability begin?                                       | From the publication date.                                                        |
| 6    | When will data availability end?                                         | Three years within the publication date                                           |
| 7    | To whom will you share the data?                                        | Who are interested about investigate the effect of 1,25-dihydroxyvitamin D3 (1,25-(OH)2D3) on VDR expression. |
| 8    | For what type of analysis or purpose?                                   | For to investigate the effect of 1,25-dihydroxyvitamin D3 (1,25-(OH)2D3) on VDR expression, which is closely associated with asthmatic airway smooth muscle cells (ASMC), and explored its role and mechanism in the Rho-kinase signaling pathway. |
| 9    | How or where can the data/documents be obtained?                        | By Email: yang_dryang@163.com                                                     |
| 10   | Any other restrictions?                                                 | None                                                                              |