### Table S1 The list of study centers

| No | Site name                                                                 | City and country         | Site role   | Principal investigator |
|----|---------------------------------------------------------------------------|--------------------------|-------------|------------------------|
| 1  | The First Affiliated Hospital of Guangzhou Medical University             | Guangzhou, China         | Sponsor     | Shiyue Li              |
| 2  | Shanghai Chest Hospital, Shanghai Jiao Tong University                    | Shanghai, China          | Sponsor     | Jiayuan Sun            |
| 3  | Cancer Institute and Hospital, Chinese Academy of Medical Sciences        | Beijing, China           | Collaborator| Lei Zhang              |
| 4  | West China Hospital, Sichuan University                                  | Chengdu, China           | Collaborator| Fengming Luo           |
| 5  | Henan Provincial People's Hospital                                        | Zhengzhou, China         | Collaborator| Xiaoju Zhang           |