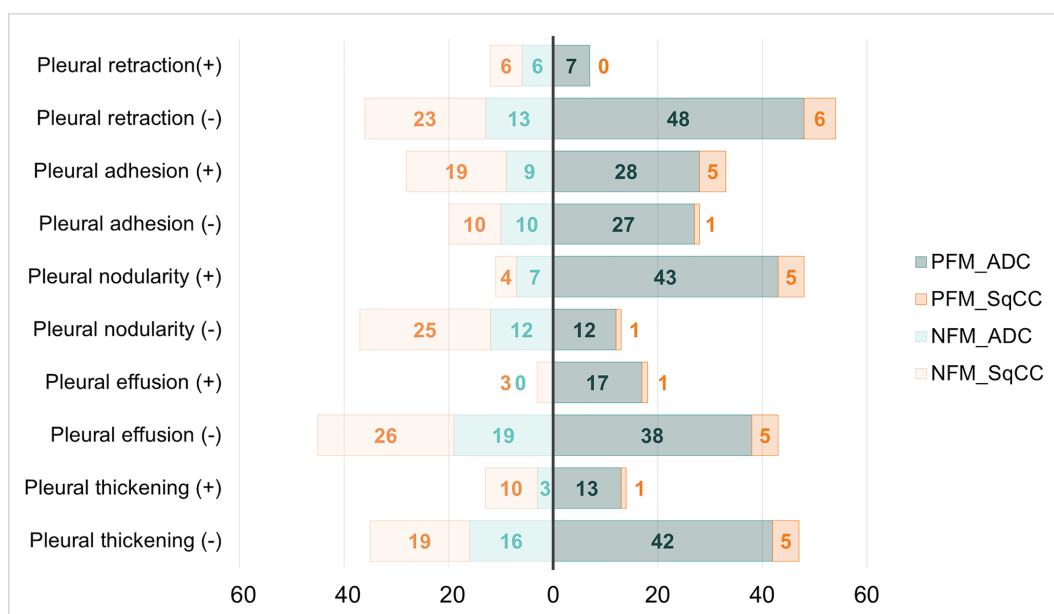


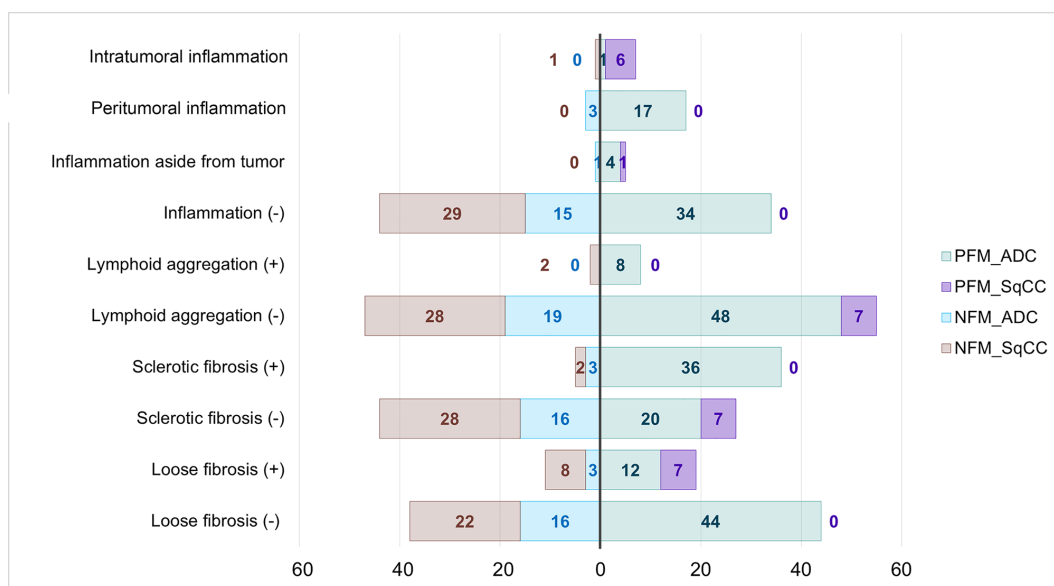
**Table S1** Clinicopathologic difference between positive and negative for malignancy result of pleural biopsy

| Variables                   | Positive for malignancy (n=72) | Negative for malignancy (n=40) | P      |
|-----------------------------|--------------------------------|--------------------------------|--------|
| Intraoperative findings     |                                |                                |        |
| Pleural retraction, n (%)   |                                |                                | 0.09   |
| Present                     | 9 (12.5)                       | 10 (25.0)                      |        |
| Absent                      | 61 (84.7)                      | 29 (72.5)                      |        |
| NA                          | 2 (2.8)                        | 1 (2.5)                        |        |
| Pleural adhesion, n (%)     |                                |                                | 0.20   |
| Present                     | 36 (50.0)                      | 25 (62.5)                      |        |
| Absent                      | 34 (47.2)                      | 14 (35.0)                      |        |
| NA                          | 2 (2.8)                        | 1 (2.5)                        |        |
| Pleural nodularity, n (%)   |                                |                                | <0.001 |
| Present                     | 50 (69.4)                      | 9 (22.5)                       |        |
| Absent                      | 20 (27.8)                      | 30 (75.0)                      |        |
| NA                          | 2 (2.8)                        | 1 (2.5)                        |        |
| Pleural effusion, n (%)     |                                |                                | 0.08   |
| Present                     | 17 (23.6)                      | 4 (10.0)                       |        |
| Absent                      | 53 (73.6)                      | 35 (87.5)                      |        |
| NA                          | 2 (2.8)                        | 1 (2.5)                        |        |
| Pleural thickening, n (%)   |                                |                                | 0.28   |
| Present                     | 15 (20.8)                      | 12 (30.0)                      |        |
| Absent                      | 55 (76.4)                      | 27 (67.5)                      |        |
| NA                          | 2 (2.8)                        | 1 (2.5)                        |        |
| Pathologic findings         |                                |                                |        |
| Inflammation, n (%)         |                                |                                | 0.001  |
| Present                     |                                |                                |        |
| Within tumor                | 8 (11.1)                       | 0 (0.0)                        |        |
| Periphery of tumor          | 17 (23.6)                      | 3 (7.5)                        |        |
| Aside from tumor            | 6 (8.3)                        | 0 (0.0)                        |        |
| Absent                      | 41 (56.9)                      | 37 (92.5)                      |        |
| Lymphoid aggregation, n (%) |                                |                                | 0.28   |
| Present                     | 8 (11.1)                       | 2 (5.0)                        |        |
| Absent                      | 64 (88.9)                      | 38 (95.0)                      |        |
| Sclerotic fibrosis, n (%)   |                                |                                | <0.001 |
| Present                     | 35 (48.6)                      | 6 (15.0)                       |        |
| Absent                      | 37 (51.4)                      | 34 (85.0)                      |        |
| Loose fibrosis, n (%)       |                                |                                | 0.01   |
| Present                     | 25 (34.7)                      | 5 (12.5)                       |        |
| Absent                      | 47 (65.3)                      | 35 (87.5)                      |        |

NA, not assessable.



**Figure S1** Distribution of result of pathologic diagnosis of pleural biopsy according to the intraoperative findings. ADC, adenocarcinoma; PFM, positive for malignancy; NFM, negative for malignancy; SqCC, squamous cell carcinoma; (-), absence; (+), presence.



**Figure S2** Distribution of result of pathologic diagnosis of pleural biopsy according to the pathologic findings. ADC, adenocarcinoma; PFM, positive for malignancy; NFM, negative for malignancy; SqCC, squamous cell carcinoma; (-), absence; (+), presence.

**Table S2** Clinicopathologic difference between pleural metastasis of adenocarcinoma and squamous cell carcinoma

| Variables                   | Adenocarcinoma (n=62) | Squamous cell carcinoma (n=10) | P      |
|-----------------------------|-----------------------|--------------------------------|--------|
| Intraoperative findings     |                       |                                |        |
| Pleural retraction, n (%)   |                       |                                | 0.59   |
| Present                     | 9 (14.5)              | 0 (0.0)                        |        |
| Absent                      | 52 (83.9)             | 9 (90.0)                       |        |
| NA                          | 1 (1.6)               | 1 (10.0)                       |        |
| Pleural adhesion, n (%)     |                       |                                | 0.15   |
| Present                     | 29 (46.8)             | 7 (70.0)                       |        |
| Absent                      | 32 (51.6)             | 2 (20.0)                       |        |
| NA                          | 1 (1.6)               | 1 (10.0)                       |        |
| Pleural nodularity, n (%)   |                       |                                | 0.27   |
| Present                     | 45 (72.6)             | 5 (50.0)                       |        |
| Absent                      | 16 (25.8)             | 4 (40.0)                       |        |
| NA                          | 1 (1.6)               | 1 (10.0)                       |        |
| Pleural effusion, n (%)     |                       |                                | 0.44   |
| Present                     | 16 (25.8)             | 1 (10.0)                       |        |
| Absent                      | 45 (72.6)             | 8 (80.0)                       |        |
| NA                          | 1 (1.6)               | 1 (10.0)                       |        |
| Pleural thickening, n (%)   |                       |                                | >0.99  |
| Present                     | 13 (21.0)             | 2 (20.0)                       |        |
| Absent                      | 48 (77.4)             | 7 (70.0)                       |        |
| NA                          | 1 (1.6)               | 1 (10.0)                       |        |
| Pathologic findings         |                       |                                |        |
| Inflammation, n (%)         |                       |                                | <0.001 |
| Present                     | 23 (30.1)             | 8 (80.0)                       |        |
| Within tumor                | 1 (1.6)               | 7 (70.0)                       |        |
| Periphery of tumor          | 17 (27.4)             | 0 (0.0)                        |        |
| Aside from tumor            | 5 (8.1)               | 1 (10.1)                       |        |
| Absent                      | 39 (62.9)             | 2 (20.0)                       |        |
| Lymphoid aggregation, n (%) |                       |                                | 0.59   |
| Present                     | 8 (12.9)              | 0 (0.0)                        |        |
| Absent                      | 54 (87.1)             | 10 (100.0)                     |        |
| Sclerotic fibrosis, n (%)   |                       |                                | <0.001 |
| Present                     | 35 (56.5)             | 10 (100.0)                     |        |
| Absent                      | 27 (43.5)             | 0 (0.0)                        |        |
| Loose fibrosis, n (%)       |                       |                                | <0.001 |
| Present                     | 15 (24.2)             | 0 (0.0)                        |        |
| Absent                      | 47 (75.8)             | 10 (100.0)                     |        |

NA, not assessable.