

Figure S1

Pulmonary Granulomatous Diseases

Pulmonary Tuberculosis

23 recruited
Inclusion criteria:
Suspected pulmonary TB
Not started TB treatment
No significant co-morbidities
Age > 17 years
Written informed consent

Excluded:
No *Mtb* culture (3)
Co-morbidity (3)

Samples processed for microarray

1 excluded
Failed quality control

16 pulmonary TB patients with positive *Mtb* culture

Pulmonary Sarcoidosis

41 recruited
Inclusion criteria:
Suspected pulmonary sarcoidosis
Not on treatment
No significant co-morbidities
Age > 17 years
Written informed consent

Excluded
Co-morbidity (3)
Negative/no biopsy (3)
No recent abnormal thoracic radiology (7)

Samples processed for microarray

1 excluded
Failed quality control

25 sarcoidosis patients with biopsy proven granuloma and thoracic radiological features of sarcoidosis

Other Similar Respiratory Diseases

Community Acquired Pneumonia

12 recruited
Inclusion criteria:
Suspected bacterial pneumonia
No previous TB
Age > 17 years
Written informed consent

Excluded:
Normal chest X-ray (2)
Wrong diagnosis (1)
Pneumonia resolved (1)

Samples processed for microarray

8 community acquired pneumonia patients as per the BTS guidelines

Primary Lung Cancer

8 recruited
Inclusion criteria:
Histological evidence
Radiological evidence
No previous TB
Age > 17 years
Written informed consent

Samples processed for microarray

8 lung cancer patients with histological and radiological features of primary lung cancer

Controls

Healthy Controls

45 recruited
Inclusion criteria:
No co-morbidities
No previous TB
Age > 17 years
Written informed consent

Excluded:
+ve IGRA (7)

Samples processed for microarray

38 healthy controls

16 TB

25 Sarcoidosis

16 Other Respiratory

38 Controls