

Table S1. Characteristics of sarcoidosis patients. In total, granuloma specimens from lung (31 samples), lymph nodes (22 samples), skin (17 samples), bone marrow (2 samples), nose (one sample), and salivary gland (one sample) have been stained. Data is shown as absolute numbers and percentage. COS: Clinical outcome status, SFN: Small fiber neuropathy, Scadding stages: 0 = Normal chest radiograph; I = Bilateral hilar lymphadenopathy (BHL); II = BHL with pulmonary infiltrates; III = pulmonary infiltrates without BHL; IV = fibrosis

Parameter	n	
Age ^a (years)	74	44.90 ± 12.47
Male sex	41/74	55.4%
Ever smoker	41/74	55.4%
Caucasian	62/74	83.8%
Löfgren syndrome	2/74	2.7%
Medication at time of biopsy	7/74	9.5%
Third-line therapy ^b	26/74	35.1%
COS group 2 years follow up	70/74	
Group A	22	31.4%
Group B	48	68.6%
COS group 5 years follow up	45/74	
Group A	13	28.9%
Group B	32	71.1%
Scadding stage at time biopsy	71/74	
Stage 0	5	7.0%
Stage 1	17	23.9%
Stage 2	27	38.0%
Stage 3	12	16.9%
Stage 4	10	14.1%
Inflammatory biomarkers ^c	<i>Ref.range</i>	
ACE (U/L)	12–70	56.32 ± 35.29
sIL-2R (pg/mL)	<3000	5980.82 ± 3958.10
Involved organs		
Lung	31/74	41.9%
Lymph nodes	23/74	31.1%
Skin	18/74	24.3%
Eyes	6/74	8.1%
Liver	8/74	10.8%
Heart	12/74	16.2%
Spleen	3/74	4.1%
Bones	4/74	5.4%
Nerve system	13/74	17.6%
SFN	9/74	12.2%

^a Age at time of biopsy and is shown as mean ± SD. ^b Third-line therapy consisted of infliximab use at follow up. ^c biomarkers at time of diagnosis and is shown as mean ± SD.

Table S2. Characteristics of patients with other granulomatous disorders. In total 29 patients with HP, 7 patients with GPA, 1 patients with EGPA, 1 patient with tuberculosis and 1 patient with pneumoconiosis were included. Granuloma specimens from lung (35 samples), lymph nodes (2 samples) and nose (2 samples) have been stained. Data is shown as absolute numbers and percentage.

Parameter	n	
Age ^a (years)	39	52.40 ± 11.47
Male sex	21/39	53.9%
Ever smoker	22/39	56.4%
Caucasian	38/39	97.4%
Medication ^a	5/39	12.8%
Inducing agent HP		
Unknown	14/29	48.3%
Birds	12/29	41.4%
Farmer's lung	3/29	10.3%

^a Age and medication at time of biopsy and is shown as mean ± SD.