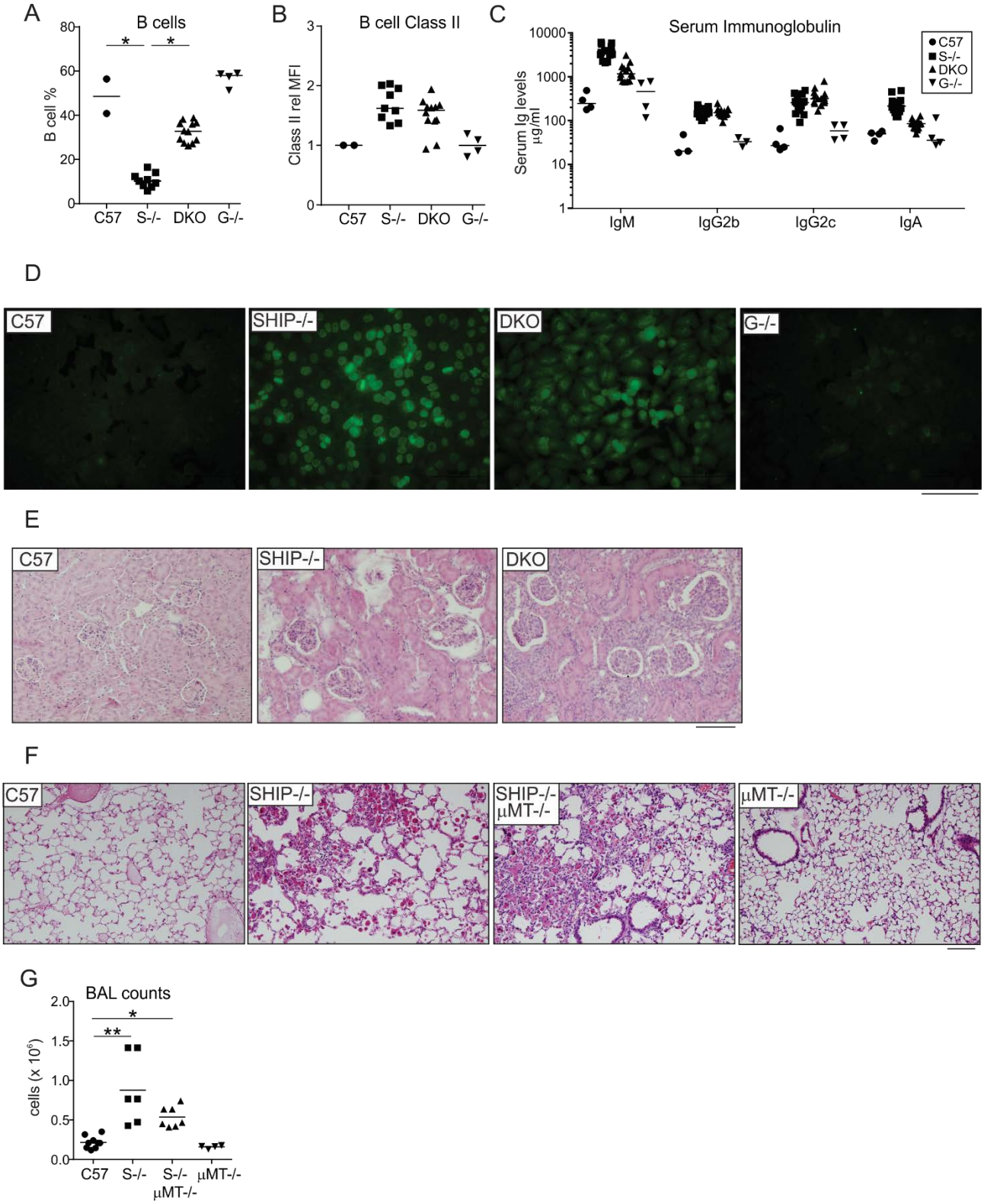

912

913 **Supplemental Figure 1. G-CSF-deficiency does not alter B cell abnormalities and autoimmune**
914 **disease development in SHIP-1$^{-/-}$ mice, and B cell-deficient SHIP-1$^{-/-}$ mice still develop lung**
915 **pathology. (A)** Splenic B cell frequency of the indicated 12-week-old mice determined by flow
916 cytometry using anti-mouse B220; n = 2-12 per group, pooled data from 2 experiments. C57 =

C57BL/6, S-/- = SHIP-1$^{-/-}$, G-/- = G-CSF$^{-/-}$. **(B)** Normalized MFI values of MHC Class II expression on B cells from the indicated 12-week-old mice measured by flow cytometry; n= 2-12 per group, pooled data from 2 experiments. **(C)** Serum immunoglobulins of the indicated isotypes measured by ELISA from the indicated 12-week-old mice; n = 3-14 per group, pooled from 2 experiments. **(D)** Immunofluorescence of HEp-2 slides stained with sera from the indicated mice detected with anti-mouse IgG (H+L). Images are representative of 2-4 mice per group in one experiment. **(E)** Hematoxylin and Eosin-stained sections of kidneys from the indicated 30-week-old mice, scale bar indicates 100 μm. Images are representative of 5-10 mice per group. **(F)** Hematoxylin and Eosin-stained sections of lungs from the indicated 7-13 week-old mice, scale bar indicates 100 μm. Images are representative of 4-9 mice per group. **(G)** BAL counts from the indicated 7-13 week-old mice, n=4-9 per group, pooled from 2 experiments. Data in A and G analyzed by ANOVA, *, $p < 0.05$. **, $p < 0.01$.

929 Supplemental Table 1: Characteristics of patients included in the study

	Non Smokers/No COPD	**Smokers/No COPD**	**Smokers/COPD**
Sex, M/F	3M/7F	6M/4F	4M/5F
Age in yrs., Mean ± SD	67.5 ± 11.78	61.8 ± 10.76	71.44 ± 10.91
(range), Median	(50-89), 71.5	(45-81), 58	(48-89), 72
FEV1, % reference	83.57 ± 13.56	89.14 ± 25.51	65.13 ± 27.39
FEV1/FVC, %	77.71 ± 6.63	71.57 ± 11.86	54.38 ± 11.48
Smoking status	10 never-smoker	6 former / 4 current	7 former / 2 current
Lung cancer diagnosis	40% (4/10)	60% (6/10)	78% (7/9)