

Supplementary Table S7. Association of CHIP with symptom burden

Variable	SGRQ score ≥ 25		CAT score ≥ 10		mMRC grade ≥ 2	
	aOR (95% CI)*	p-value	aOR (95% CI)*	p-value	aOR (95% CI)*	p-value
All genes	1.25 (0.45–3.53)	0.670	0.88 (0.31–2.52)	0.815	1.84 (0.78–4.36)	0.164
DTAP	0.87 (0.27–2.75)	0.808	1.23 (0.35–4.34)	0.743	1.76 (0.66–4.68)	0.255
DTA	1.19 (0.36–3.96)	0.777	1.79 (0.45–7.06)	0.405	2.04 (0.76–5.45)	0.154
DTP	0.65 (0.20–2.16)	0.486	1.52 (0.37–6.17)	0.561	1.25 (0.42–3.65)	0.683
DT	0.91 (0.26–3.16)	0.885	2.50 (0.50–12.6)	0.266	1.49 (0.51–4.36)	0.471
DNMT3A	0.48 (0.11–2.16)	0.336	3.34 (0.36–31.2)	0.289	1.08 (0.28–4.21)	0.917
TET2	2.76 (0.29–26.5)	0.379	1.54 (0.17–14.0)	0.701	2.23 (0.45–11.0)	0.325
ASXL1	0.98 (0.09–10.9)	0.985	0.76 (0.08–7.42)	0.814	2.01 (0.37–11.0)	0.421
PPM1D	0.19 (0.01–4.11)	0.288	0.22 (0.01–4.29)	0.315	-	-

*Adjusted for age, sex, and smoking status.

CHIP: clonal hematopoiesis of indeterminate potential; SGRQ: St. George's Respiratory Questionnaire; CAT: COPD assessment test; mMRC: modified Medical Research Council; aOR: adjusted odds ratio; CI: confidence interval; DTAP: combination of DNMT3A, TET2, ASXL1, and PPM1D; DTA: combination of DNMT3A, TET2, and ASXL1; DTP: combination of DNMT3A, TET2, and PPM1D; DT: combination of DNMT3A and TET2; DNMT3A: DNA methyltransferase 3 alpha; TET2: tet methylcytosine dioxygenase 2; ASXL1: ASXL transcriptional regulator 1; PPM1D: protein phosphatase, Mg²⁺/Mn²⁺ dependent 1D.