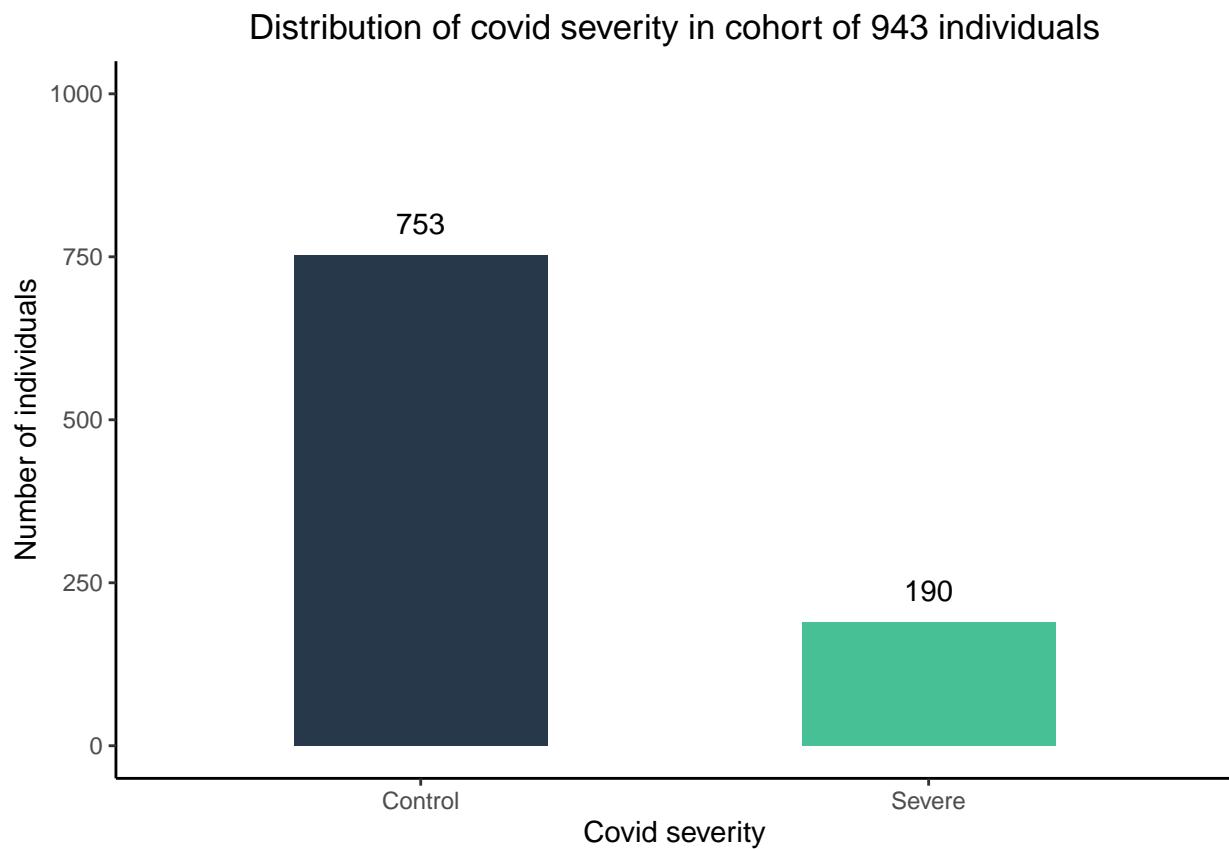


# ensembl\_cardiac\_diseases\_panel\_20200715

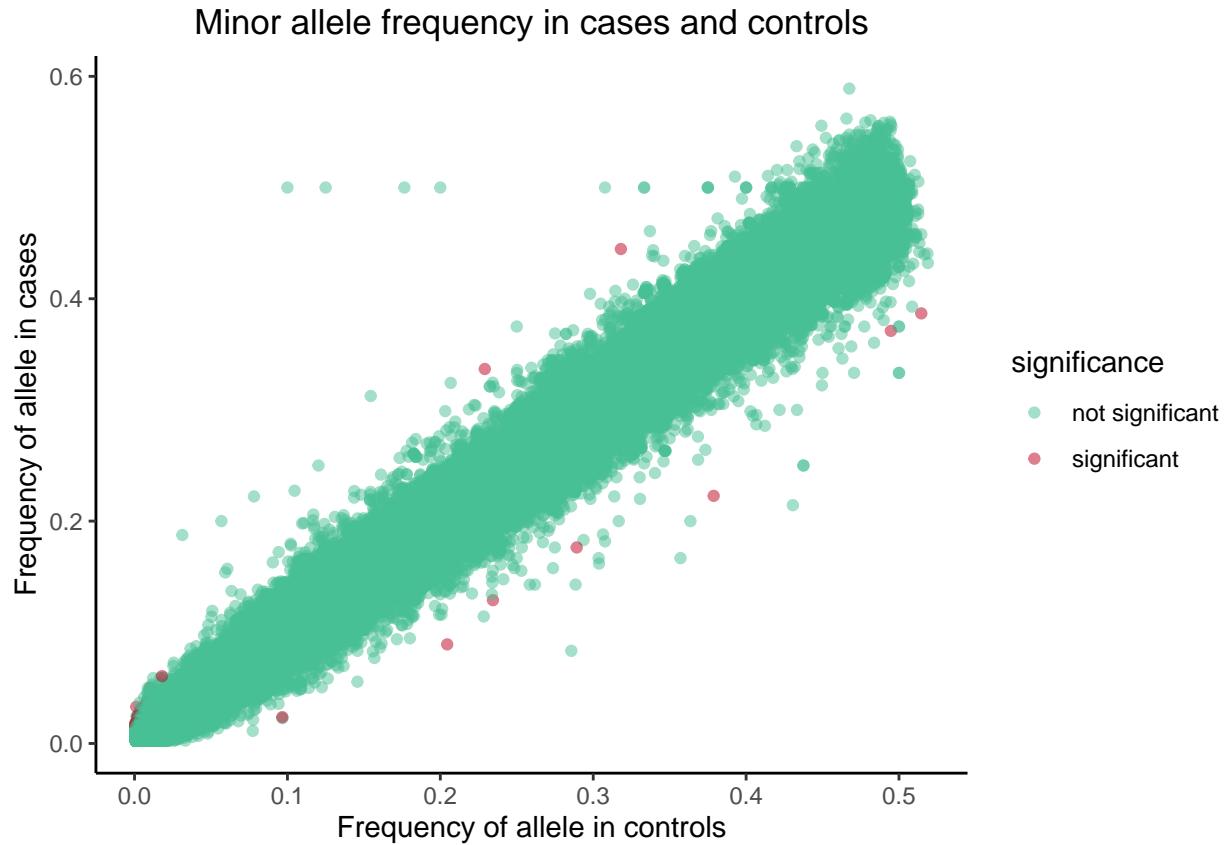
## 1. Cohort information



Control label include mild benign and resistant response to COVID-19 infection

## 2. Results

Association study was performed by comparison of allele counts in cases and controls with Chi-square test. Significance of variants is expressed in form of q-values which are FDR adjusted p-values.



### Estimated odds ratio (OR) of minor allele occurrence

Red dashed line: OR = 1.0

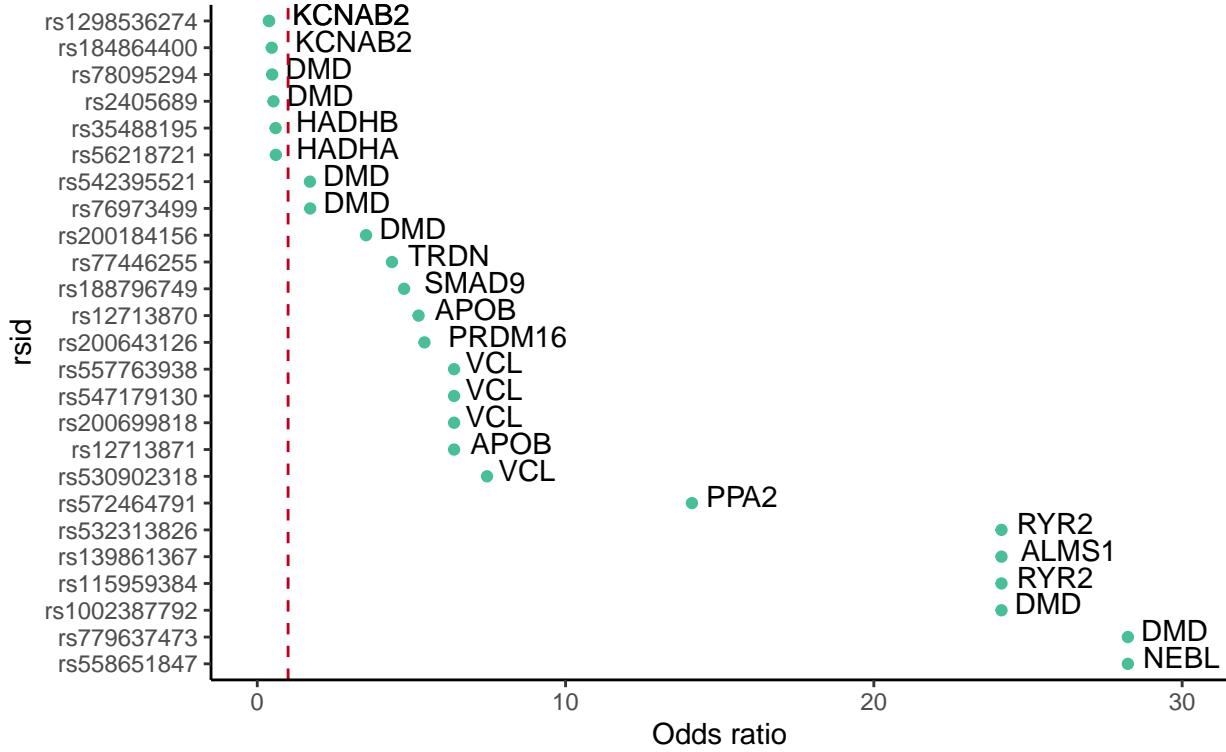


Table 1: Variants with q-value < 0.1

rsid	SYMBOL	IMPACT	qvalue	case_frequency	ctrl_frequency	minor_allele_OR
rs558651847	NEBL	MODIFIER	0.0715223	0.01842	0.000664	28.2400
rs779637473	DMD	MODIFIER	0.0715223	0.01842	0.000664	28.2400
rs532313826	RYR2	MODIFIER	0.0788635	0.01579	0.000664	24.1400
rs115959384	RYR2	MODIFIER	0.0788635	0.01579	0.000664	24.1400
rs139861367	ALMS1	MODIFIER	0.0788635	0.01579	0.000664	24.1400
rs1002387792	DMD	MODIFIER	0.0788635	0.01579	0.000664	24.1400
rs572464791	PPA2	MODIFIER	0.0788635	0.01913	0.001381	14.1000
rs530902318	VCL	MODIFIER	0.0774518	0.02895	0.003984	7.4530
rs12713871	APOB	MODIFIER	0.0788635	0.02895	0.004648	6.3840
rs200699818	VCL	MODIFIER	0.0788635	0.02895	0.004648	6.3840
rs547179130	VCL	MODIFIER	0.0788635	0.02895	0.004648	6.3840
rs557763938	VCL	MODIFIER	0.0788635	0.02895	0.004648	6.3840
rs200643126	PRDM16	MODIFIER	0.0953094	0.03158	0.005976	5.4240
rs12713870	APOB	MODIFIER	0.0233792	0.05000	0.009960	5.2320
rs188796749	SMAD9	MODIFIER	0.0788635	0.03684	0.007968	4.7620
rs77446255	TRDN	MODIFIER	0.0788635	0.04211	0.009960	4.3690
rs200184156	DMD	MODIFIER	0.0774518	0.06053	0.017930	3.5290
rs76973499	DMD	MODIFIER	0.0774518	0.44470	0.318100	1.7170
rs542395521	DMD	MODIFIER	0.0788635	0.33680	0.229100	1.7090
rs56218721	HADHA	MODIFIER	0.0788635	0.37110	0.494700	0.6026
rs35488195	HADHB	MODIFIER	0.0788635	0.38680	0.514600	0.5951
rs2405689	DMD	MODIFIER	0.0788635	0.17630	0.289200	0.5260
rs78095294	DMD	MODIFIER	0.0788635	0.12890	0.234400	0.4836

rsid	SYMBOL	IMPACT	qvalue	case_frequency	ctrl_frequency	minor_allele_OR
rs184864400	KCNAB2	MODIFIER	0.0788635	0.22270	0.378800	0.4698
rs1298536274	KCNAB2	MODIFIER	0.0819746	0.08915	0.204500	0.3807
rs1298536274	KCNAB2	MODIFIER	0.0819746	0.08915	0.204500	0.3807