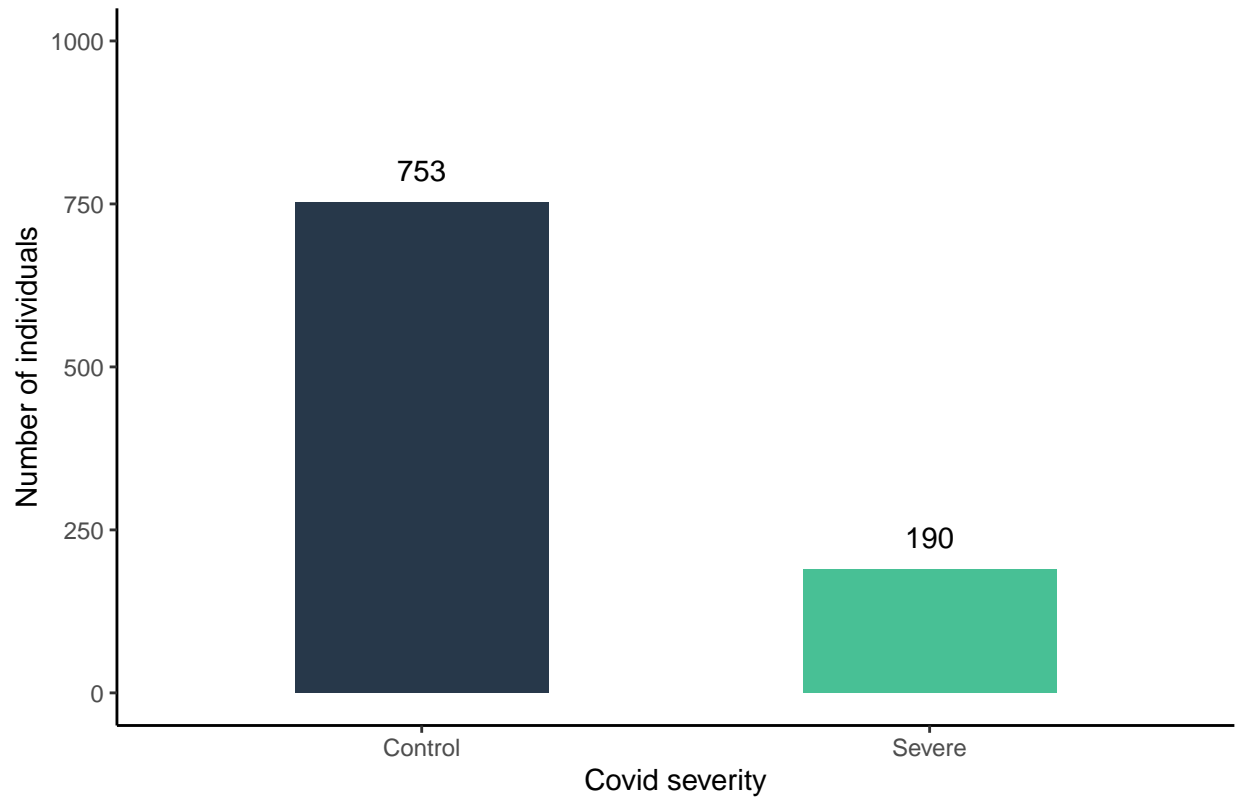# OAS_panel

Results on cohort of 943 unrelated individuals

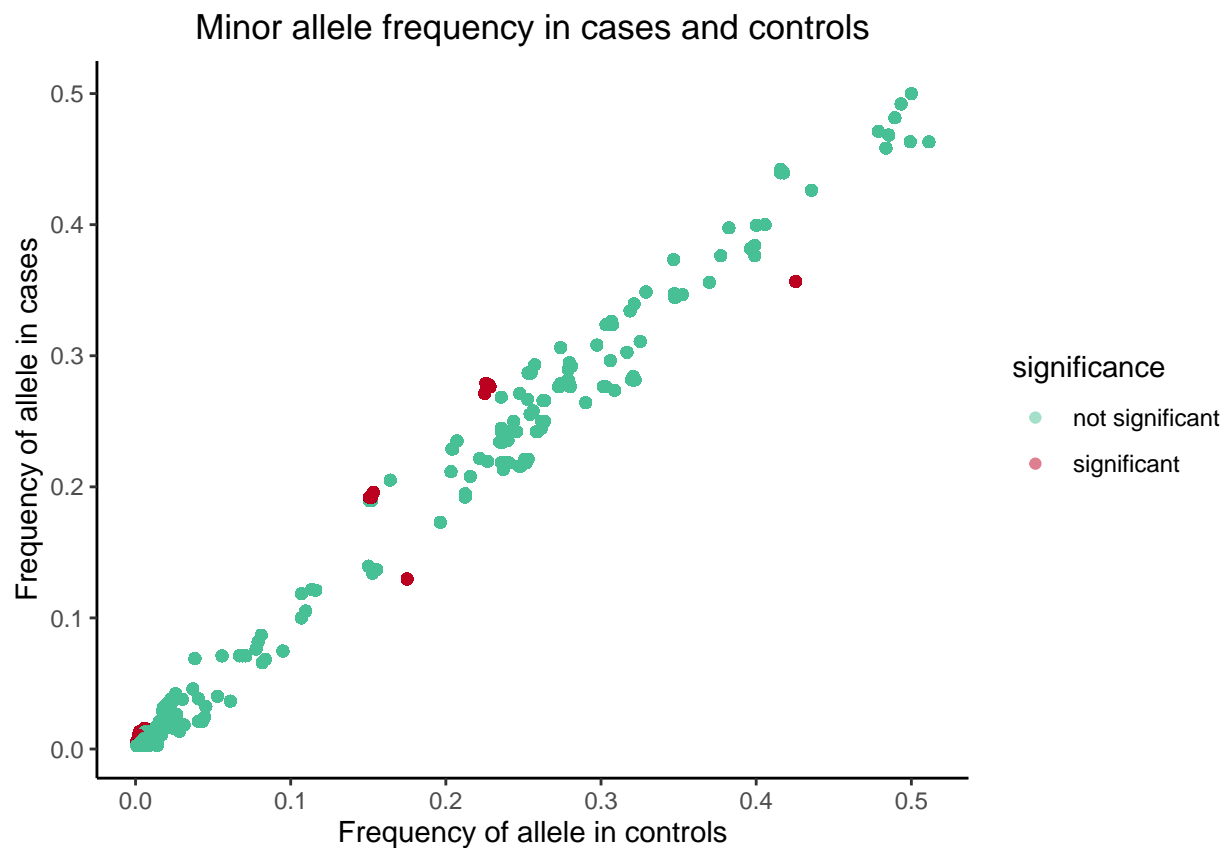## 1. Cohort information

Distribution of covid severity in cohort of 943 individuals

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.
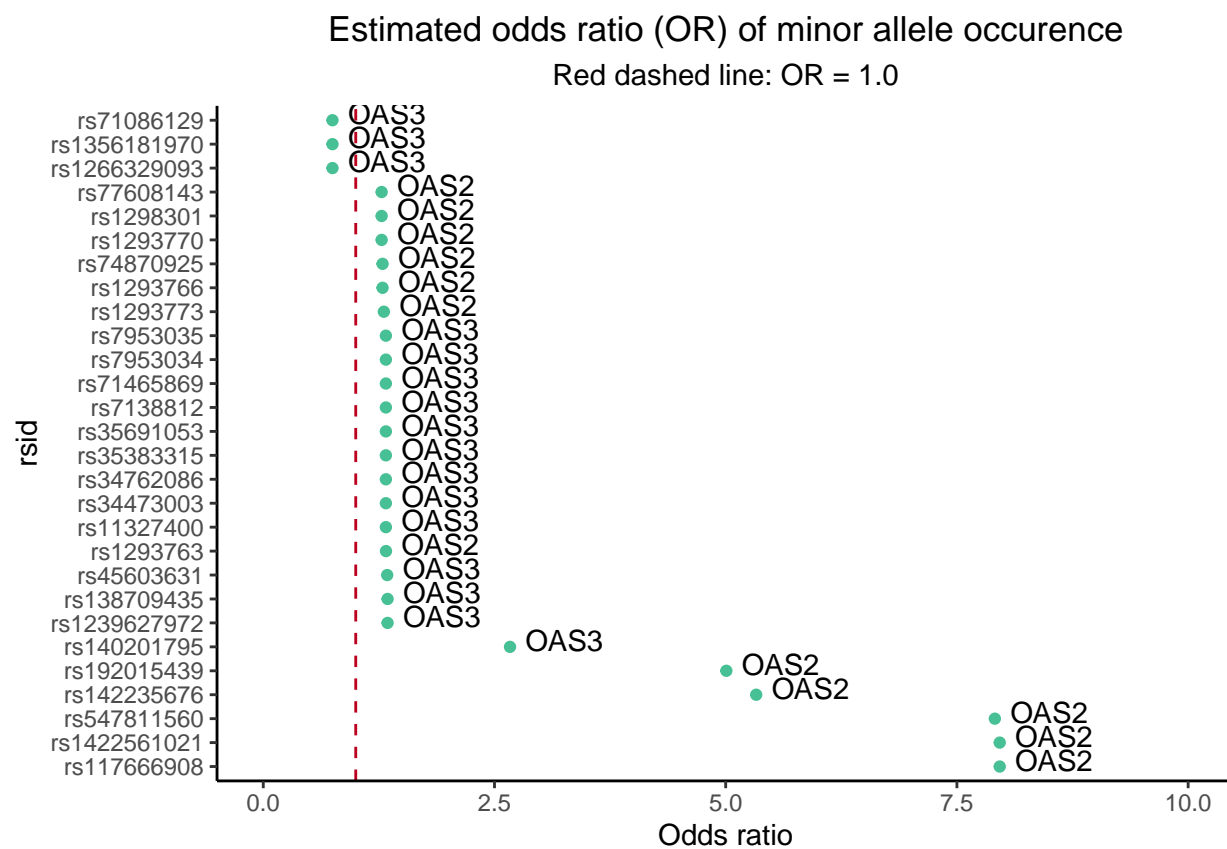
Minor allele frequency in cases and controls

Estimated odds ratio (OR) of minor allele occurence

Red dashed line: OR = 1.0

Table 1: Variants with q-value < 0.32

rsid	SYMBOL	IMPACT	qvalue	case_frequency	ctrl_frequency	minor_allele_OI
rs117666908	OAS2	MODIFIER	0.3019904	0.005263	0.0006640	7.963
rs1422561021	OAS2	MODIFIER	0.3019904	0.005263	0.0006640	7.963
rs547811560	OAS2	MODIFIER	0.3019904	0.005263	0.0006684	7.910
rs142235676	OAS2	MODIFIER	0.3019904	0.010530	0.0019920	5.330
rs192015439	OAS2	MODIFIER	0.3019904	0.013160	0.0026560	5.007
rs140201795	OAS3	MODIFIER	0.3112166	0.015790	0.0059760	2.668
rs138709435	OAS3	MODIFIER	0.3019904	0.195800	0.1533000	1.344
rs1239627972	OAS3	MODIFIER	0.3019904	0.195800	0.1533000	1.344
rs45603631	OAS3	LOW	0.3076530	0.192100	0.1507000	1.340
rs1293763	OAS2	MODIFIER	0.3019904	0.278900	0.2258000	1.327
rs34473003	OAS3	MODIFIER	0.3112166	0.192100	0.1521000	1.326
rs34762086	OAS3	MODIFIER	0.3112166	0.192100	0.1521000	1.326
rs71465869	OAS3	MODIFIER	0.3112166	0.192100	0.1521000	1.326
rs35691053	OAS3	MODIFIER	0.3112166	0.192100	0.1521000	1.326
rs7138812	OAS3	MODIFIER	0.3112166	0.192100	0.1521000	1.326
rs35383315	OAS3	MODIFIER	0.3112166	0.192100	0.1521000	1.326
rs11327400	OAS3	MODIFIER	0.3112166	0.192100	0.1521000	1.326
rs7953034	OAS3	MODIFIER	0.3112166	0.192100	0.1521000	1.326
rs7953035	OAS3	MODIFIER	0.3112166	0.192100	0.1521000	1.326
rs1293773	OAS2	MODIFIER	0.3019904	0.277800	0.2278000	1.304
rs1293766	OAS2	MODIFIER	0.3090396	0.276300	0.2284000	1.290
rs74870925	OAS2	MODIFIER	0.3090396	0.276300	0.2284000	1.290
rs1298301	OAS2	MODIFIER	0.3112166	0.271100	0.2251000	1.280
rs1293770	OAS2	MODIFIER	0.3112166	0.271100	0.2251000	1.280
rs77608143	OAS2	MODIFIER	0.3112166	0.271100	0.2251000	1.280
rs71086129	OAS3	MODIFIER	0.3019904	0.356600	0.4255000	0.748
rs1266329093	OAS3	MODIFIER	0.3019904	0.356600	0.4255000	0.748
rs1356181970	OAS3	MODIFIER	0.3019904	0.356600	0.4255000	0.748
rs1175670148	OAS3	MODIFIER	0.3019904	0.005263	0.0000000	NA
rs1471309097	OAS3	MODIFIER	0.3019904	0.005263	0.0000000	NA
rs1006109435	OAS3	MODIFIER	0.3019904	0.002632	0.0000000	NA
rs200770928	OAS3	MODERATE	0.3019904	0.002632	0.0000000	NA
rs369916708	OAS3	LOW	0.3019904	0.002632	0.0000000	NA
rs199852899	OAS3	MODERATE	0.3019904	0.002632	0.0000000	NA
rs369399935	OAS3	MODERATE	0.3019904	0.002632	0.0000000	NA
rs531171461	OAS3	MODIFIER	0.3019904	0.002632	0.0000000	NA
rs766946950	OAS3	MODIFIER	0.3019904	0.002632	0.0000000	NA
rs564112894	OAS3	MODIFIER	0.3019904	0.002632	0.0000000	NA
rs372420324	OAS3	MODIFIER	0.3019904	0.002632	0.0000000	NA
rs561845660	OAS3	MODIFIER	0.3019904	0.002632	0.0000000	NA
rs183209325	OAS3	MODIFIER	0.3019904	0.002632	0.0000000	NA
rs972834980	OAS3	MODIFIER	0.3019904	0.002632	0.0000000	NA
rs55688670	OAS3	MODIFIER	0.3019904	0.002632	0.0000000	NA
rs45607836	OAS3	MODERATE	0.3019904	0.002632	0.0000000	NA
rs1473483299	OAS3	MODIFIER	0.3019904	0.002632	0.0000000	NA
rs544937161	OAS3	MODIFIER	0.3019904	0.002632	0.0000000	NA
rs751282870,COSM5947907	OAS3	MODERATE	0.3019904	0.002632	0.0000000	NA
rs140936085	OAS3	MODIFIER	0.3019904	0.002632	0.0000000	NA
rs143756674	OAS3	MODIFIER	0.3019904	0.002632	0.0000000	NA
rs1340230424	OAS3	MODIFIER	0.3019904	0.002632	0.0000000	NA

rsid	SYMBOL	IMPACT	qvalue	case_frequency	ctrl_frequency	minor_allele_O
rs45537233	OAS3	MODIFIER	0.3019904	0.002632	0.0000000	N
rs1340565807	OAS3	MODIFIER	0.3019904	0.002632	0.0000000	N
rs978314828	OAS2	MODIFIER	0.3019904	0.002632	0.0000000	N
rs186279134	OAS2	MODIFIER	0.3019904	0.002632	0.0000000	N
rs1263147886	OAS2	MODIFIER	0.3019904	0.002632	0.0000000	N
rs907176469	OAS2	MODIFIER	0.3019904	0.002632	0.0000000	N
rs1050006806	OAS2	MODIFIER	0.3019904	0.002632	0.0000000	N
rs997130219	OAS2	MODIFIER	0.3019904	0.002632	0.0000000	N
rs554009345	OAS2	MODIFIER	0.3019904	0.002632	0.0000000	N
rs954233109	OAS2	MODIFIER	0.3019904	0.002717	0.0000000	N
rs1035737227	OAS2	MODIFIER	0.3019904	0.002632	0.0000000	N
rs557146377	OAS2	MODIFIER	0.3019904	0.002632	0.0000000	N
rs974267060	OAS2	MODIFIER	0.3019904	0.002632	0.0000000	N
rs756056888	OAS2	MODIFIER	0.3019904	0.002632	0.0000000	N
rs916820130	OAS2	MODIFIER	0.3019904	0.002632	0.0000000	N
rs1409357085	OAS2	MODIFIER	0.3019904	0.002632	0.0000000	N
rs894207510	OAS2	MODIFIER	0.3019904	0.002632	0.0000000	N
rs1279074905	OAS2	MODIFIER	0.3019904	0.002646	0.0000000	N
rs184657732	OAS2	MODIFIER	0.3019904	0.002632	0.0000000	N
rs1260313436	OAS2	MODIFIER	0.3019904	0.002632	0.0000000	N
rs1375483517	OAS2	MODIFIER	0.3019904	0.002632	0.0000000	N
rs574491548	OAS2	MODIFIER	0.3019904	0.002632	0.0000000	N
rs964196061	OAS2	MODIFIER	0.3019904	0.002632	0.0000000	N
rs1161795201	OAS2	MODIFIER	0.3019904	0.002632	0.0000000	N
rs1456344855	OAS2	MODIFIER	0.3019904	0.002632	0.0000000	N
rs1229391997	OAS2	MODIFIER	0.3019904	0.002632	0.0000000	N