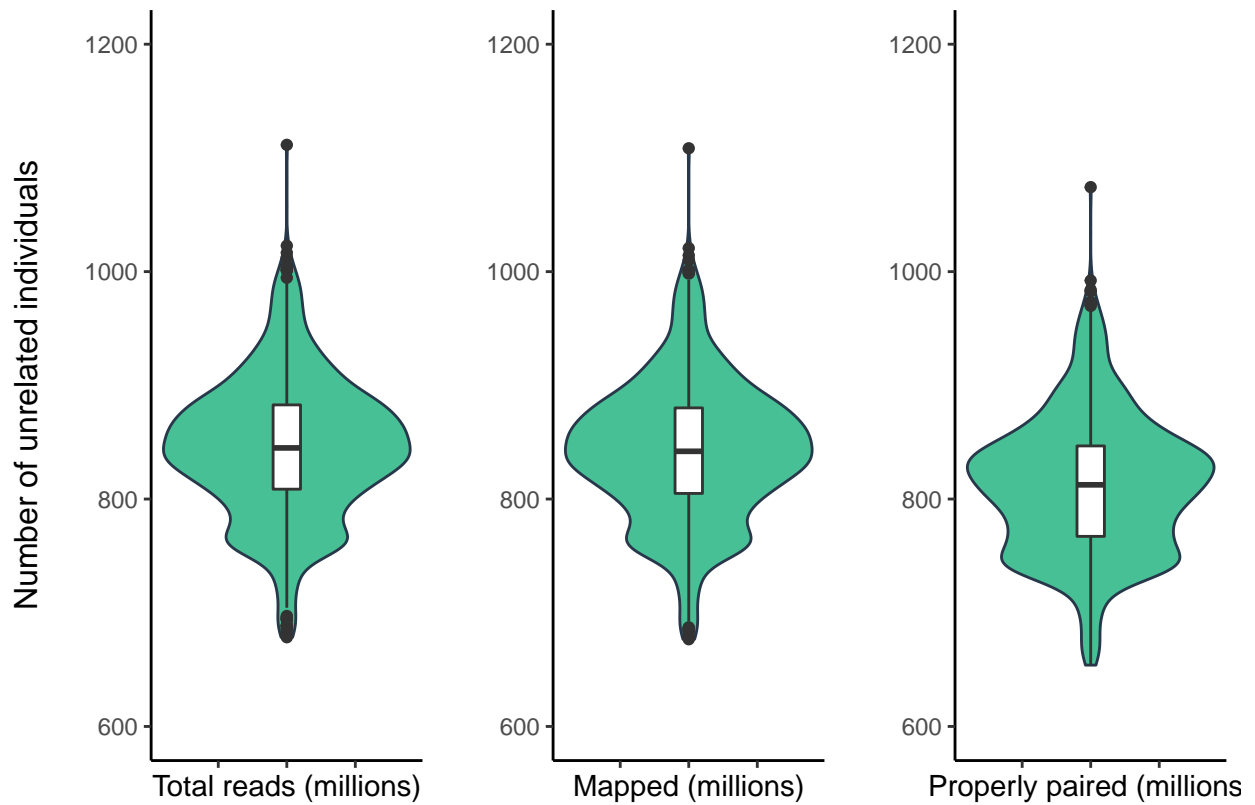


qc

1. Sequencing statistics (in millions)

stat	min	median	mean	max
flagstat_total	678.45	844.96	845.01	1111.49
mapped_passed	676.71	841.98	842.18	1108.49
properly.paired_passed	653.95	812.50	811.85	1074.30

Reads statistics in cohort of 1082 unrelated individuals

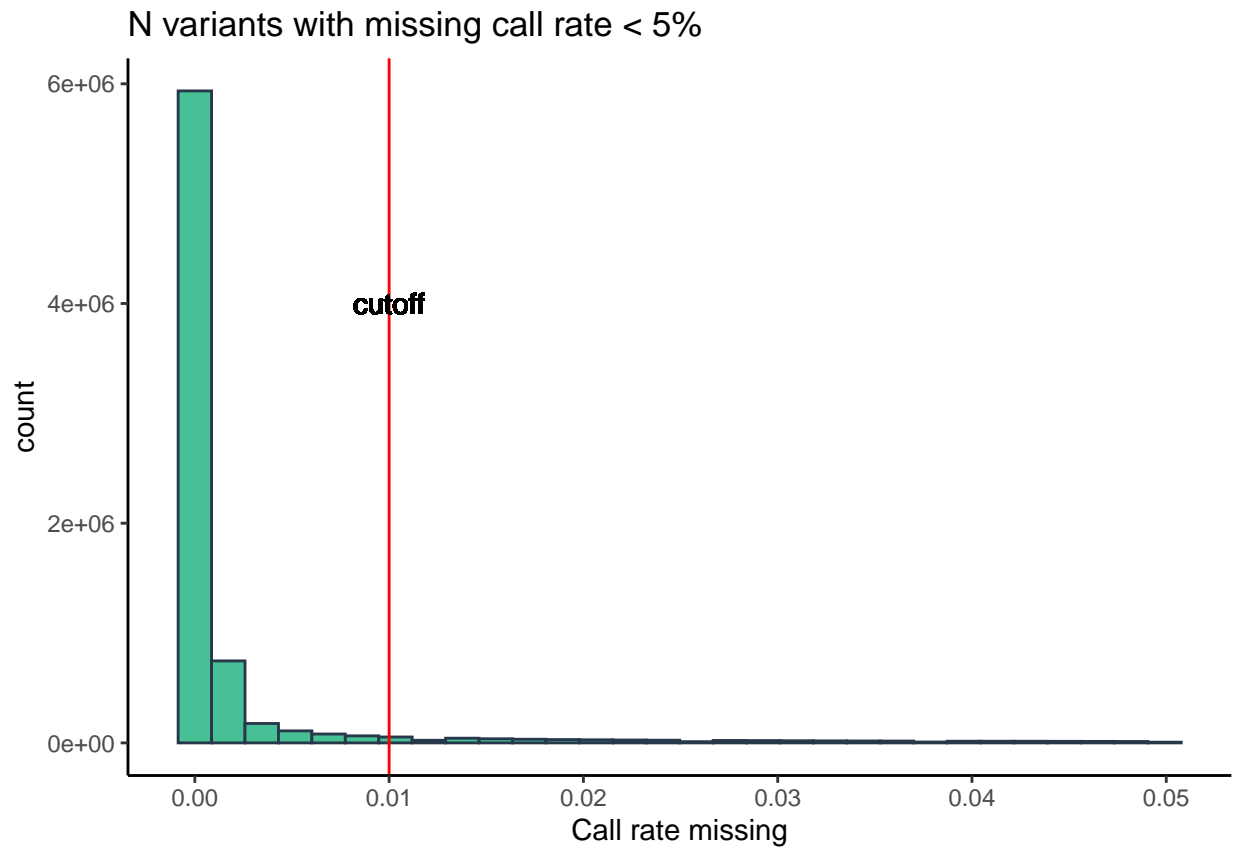


Total reads outliers

sample	flagstat_total
180_20770_20	689.2717
262_22542_20	1001.3480
COV237X052A	994.6147
COV238Y053B	1012.2932
COV239X053B	1001.0540
COV247X054B	1001.4843
COV258X060B	1111.4918

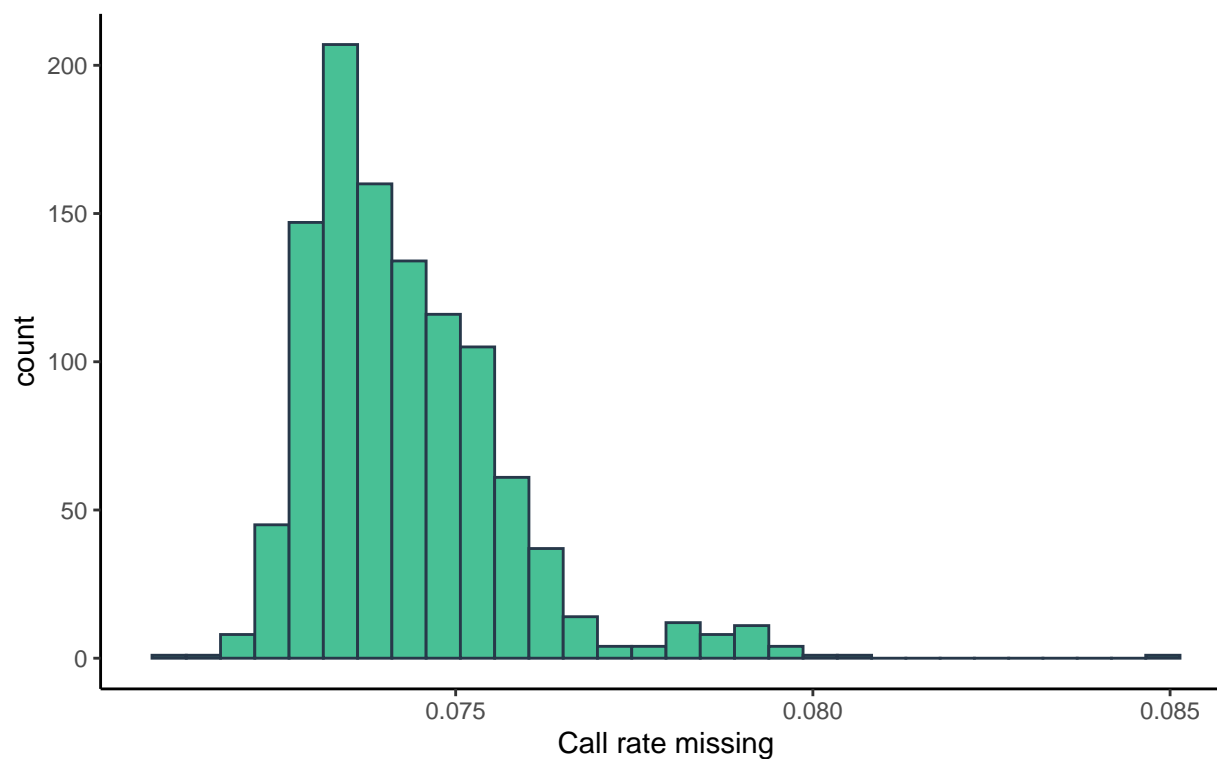
sample	flagstat_total
COV288X073A	1016.6088
COV306Y080B	1003.9415
COV313Y083A	1003.2027
COV315Y083A	1022.7702
COV428X126B	1004.9815
COV623X206B	695.0610
COV645Y214A	680.1506
COV647Y215B	688.7022
COV648X215A	695.3860
COV649Y215A	679.1973
COV650Y216B	685.0972
COV651X216A	693.9583
COV652X216A	678.4532
COV653Y217A	688.2522
COV654X217A	681.4599
COV655X217B	686.0841
COV658X219A	696.3860
COV659Y219B	688.1526
COV661X220A	693.8154
COV663X221B	697.1672

Call rate



`stat_bin()` using `bins = 30`. Pick better value with `binwidth`.

Histogram of missing call-rate per genome
cohort of 1082 unrelated individuals



Call rate missing outliers

sample	F_MISS
COV747Y253B	0.07783
323-PORCOVKOM	0.07784
327_PORCOV_KOM	0.07801
328_PORCOV_KOM	0.07805
35_19267_20	0.07811
147_PorCOV_KOM	0.07812
24_PorCOV	0.07812
309-PORCOVKOM	0.07814
COV744Y252A	0.07824
22_PorCOV_KOM	0.07827
COV733X247A	0.07831
231_PorCOV_KOM	0.07832
COV738Y250A	0.07833
340-PORCOVKOM	0.07834
2041_COVID	0.07849
COV731X246A	0.07864
COV742Y252B	0.07872
COV704X237B	0.07880
304-PORCOVKOM	0.07882
231_COV99_20	0.07883
342-PORCOVKOM	0.07884
COV739X250B	0.07888
19_PorCOV_KOM	0.07891

sample	F_MISS
20_PorCOV_KOM	0.07893
324-PORCOVKOM	0.07894
308_PORCOV_KOM	0.07895
COV706Y237A	0.07896
COV732Y247B	0.07913
COV741X251A	0.07915
306-PORCOVKOM	0.07917
COV745Y253A	0.07918
180_20770_20	0.07925
COV737X249B	0.07935
COV730X246B	0.07943
COV743X252A	0.07950
COV746X253B	0.07952
322-PORCOVKOM	0.07956
341-PORCOVKOM	0.07998
COV740Y251B	0.08050
COV215X042A	0.08487

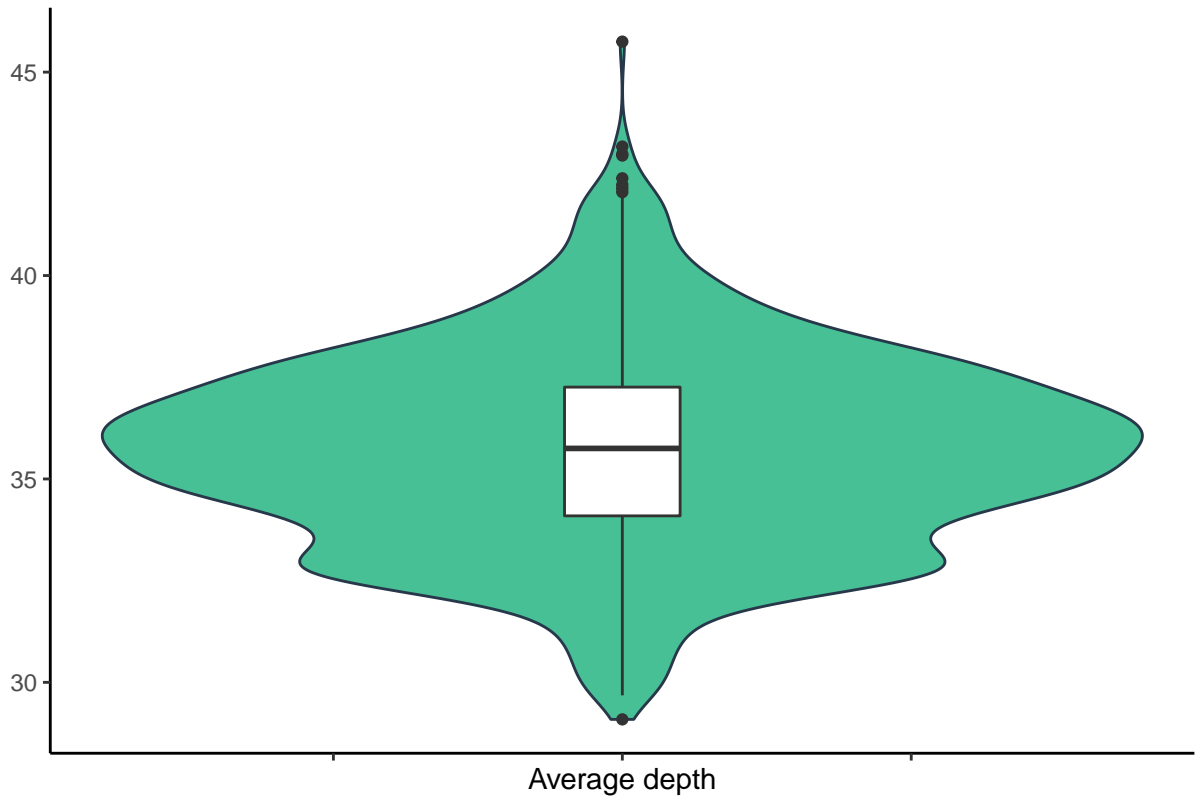
2. Depth statistics

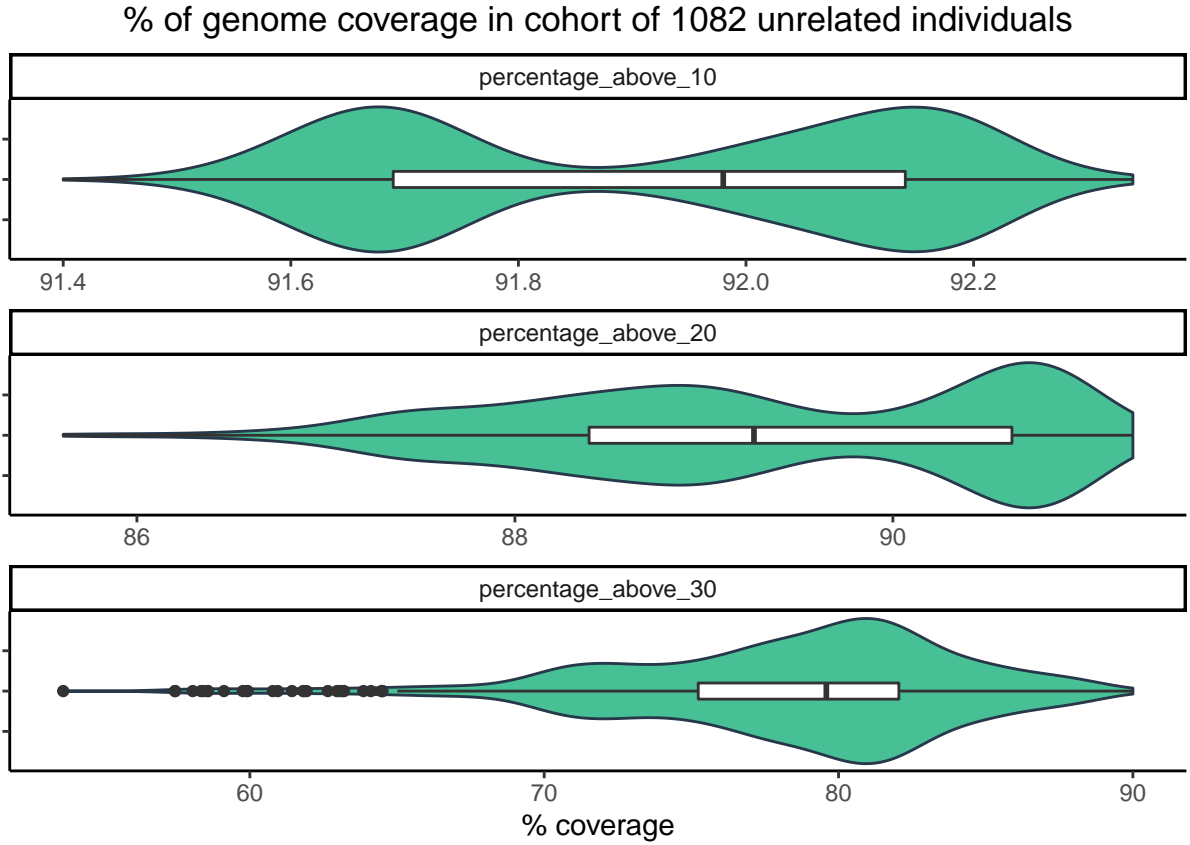
stat	min	median	mean	max
average_depth	29.09	35.75	35.72	45.75
percentage_above_10	91.40	91.98	91.92	92.34
percentage_above_20	85.61	89.27	89.37	91.27
percentage_above_30	53.66	79.59	78.41	90.00

Average depth outliers

sample	average_depth
180_20770_20	29.09
COV208X039A	42.05
COV299X077A	42.14
COV306Y080B	42.23
COV313Y083A	42.39
COV238Y053B	42.95
COV315Y083A	42.99
COV288X073A	43.17
COV258X060B	45.75

Average depth per sample 1082 unrelated individuals

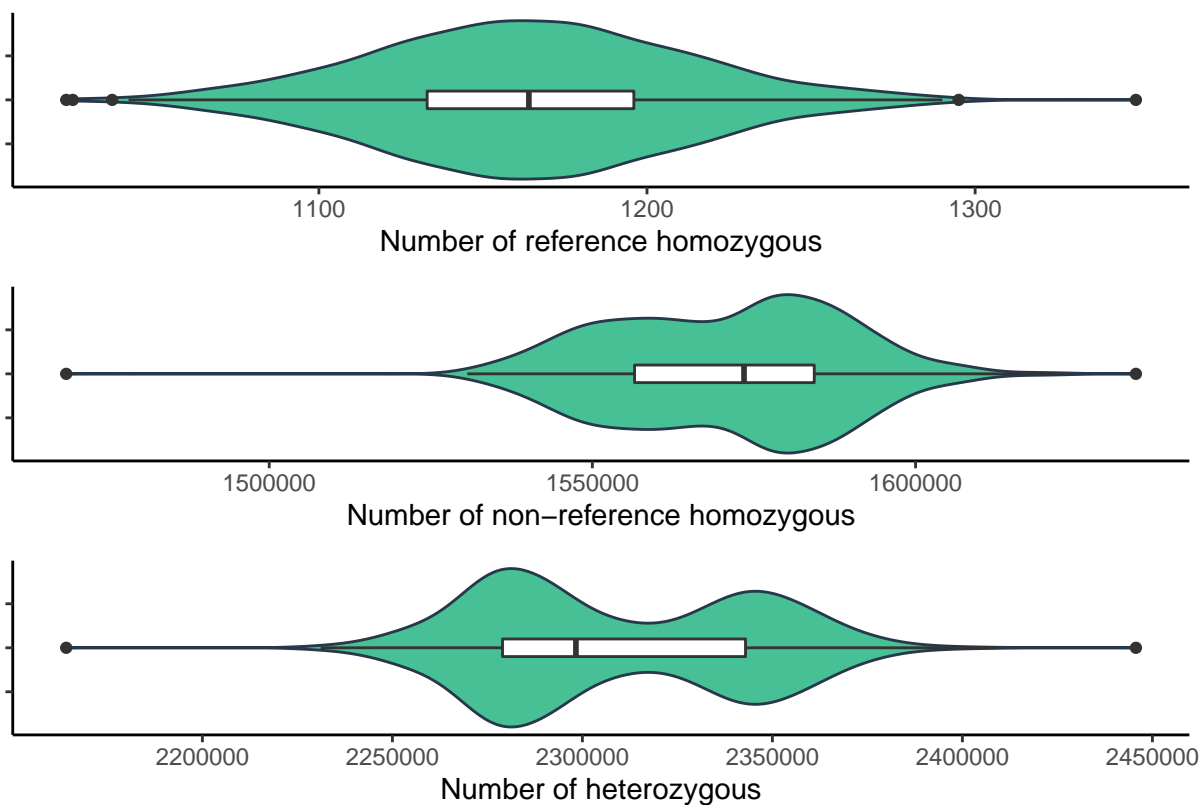




3. Per sample count (PSC)

stat	min	median	mean	max
average_depth	30.5	37.6	37.64	47.9
nHets	2164166.0	2298296.5	2308941.86	2445661.0
nIndels	797694.0	810671.0	810529.96	823059.0
nMissing	140389.0	151153.5	151124.03	162078.0
nNonRefHom	1468590.0	1573465.0	1570905.33	1634096.0
nRefHom	1023.0	1164.0	1164.31	1349.0
nSingletons	4596353.0	4686810.5	4690486.03	4766110.0
nTransitions	2532633.0	2584326.0	2586966.12	2630499.0
nTransversions	1265629.0	1291660.0	1292881.07	1316387.0

Per Sample Count (PSC) in cohort of 1082 unrelated individuals



PSC outliers

sample	nRefHom
365_23988_20	1023
COV641Y213A	1025
COV031K	1037
COV045K	1295
COV258X060B	1349

sample	nNonRefHom
COV215X042A	1468590
389_24332_20	1634096

sample	nHets
389_24332_20	2164166
COV215X042A	2445661

Outlier samples recurring in other statistics:

sample	F_MISS	average_depth	flagstat_total	nRefHom	nNonRefHom	nHets
180_20770_20	0.07925	29.09	689.271743	not_outlier	not_outlier	not_outlier
COV215X042A	0.08487	not_outlier	not_outlier	not_outlier	1468590	2445661