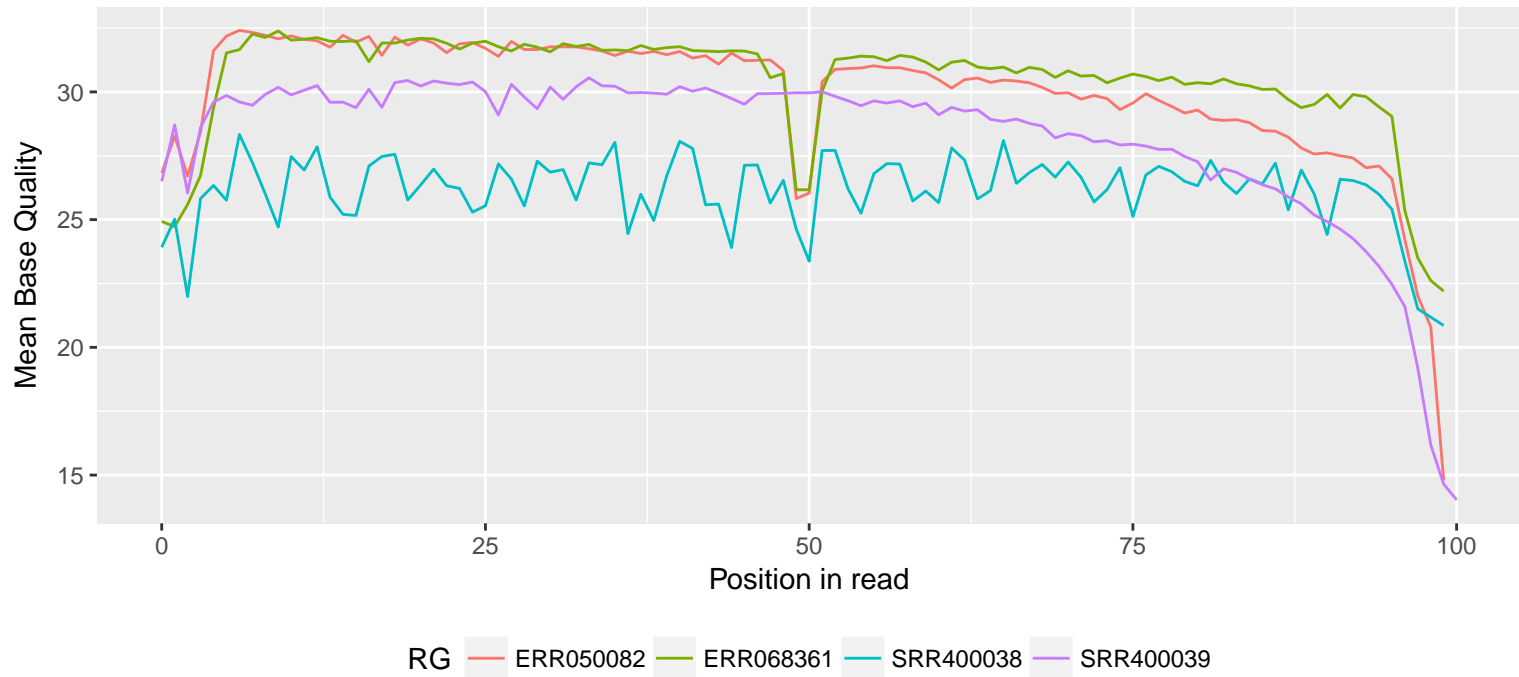
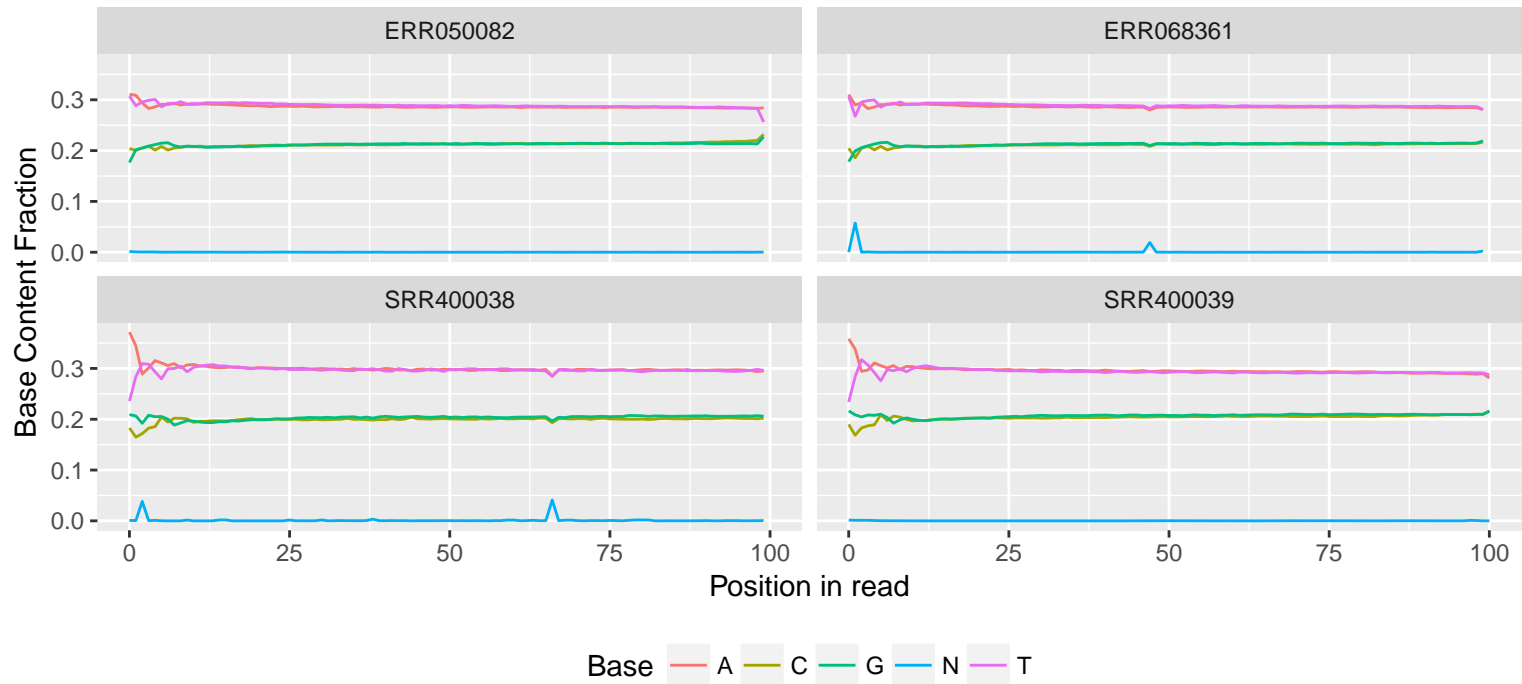


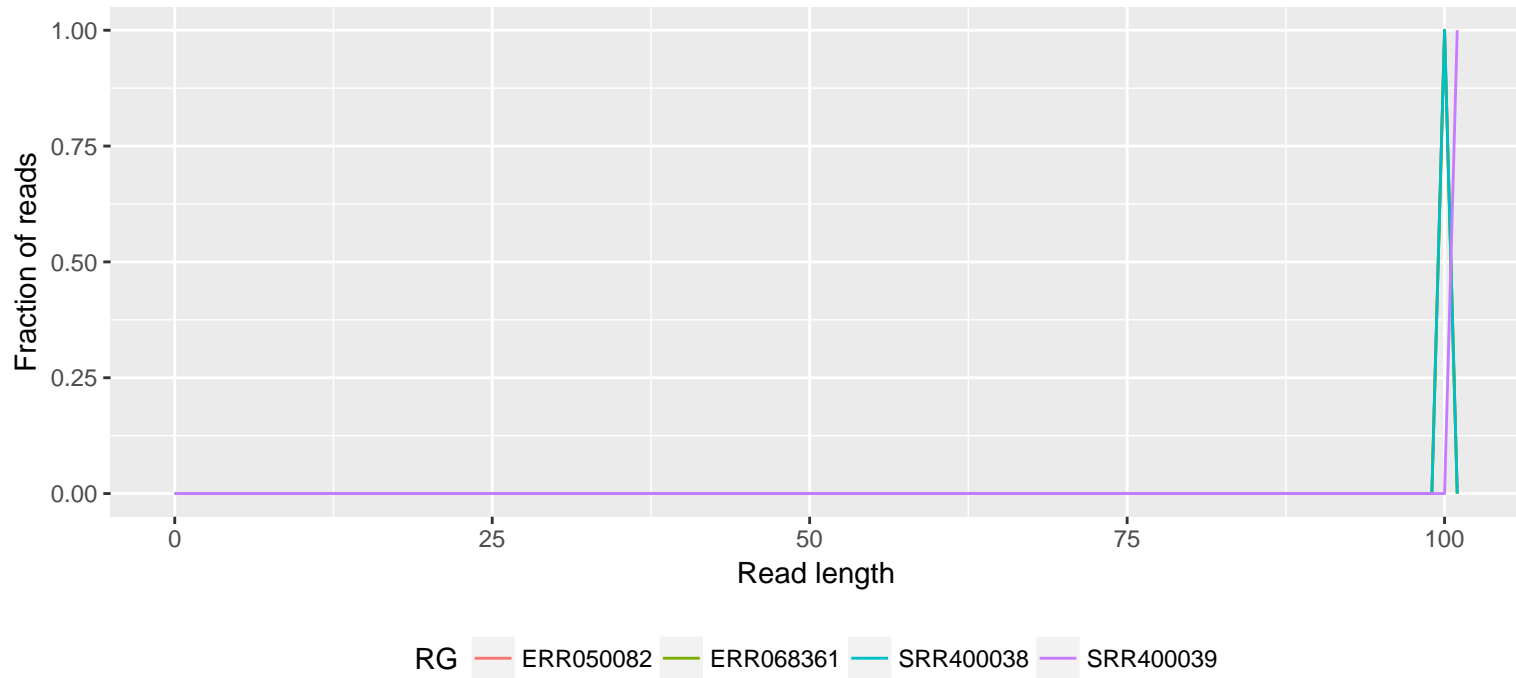
# Base Quality Distribution



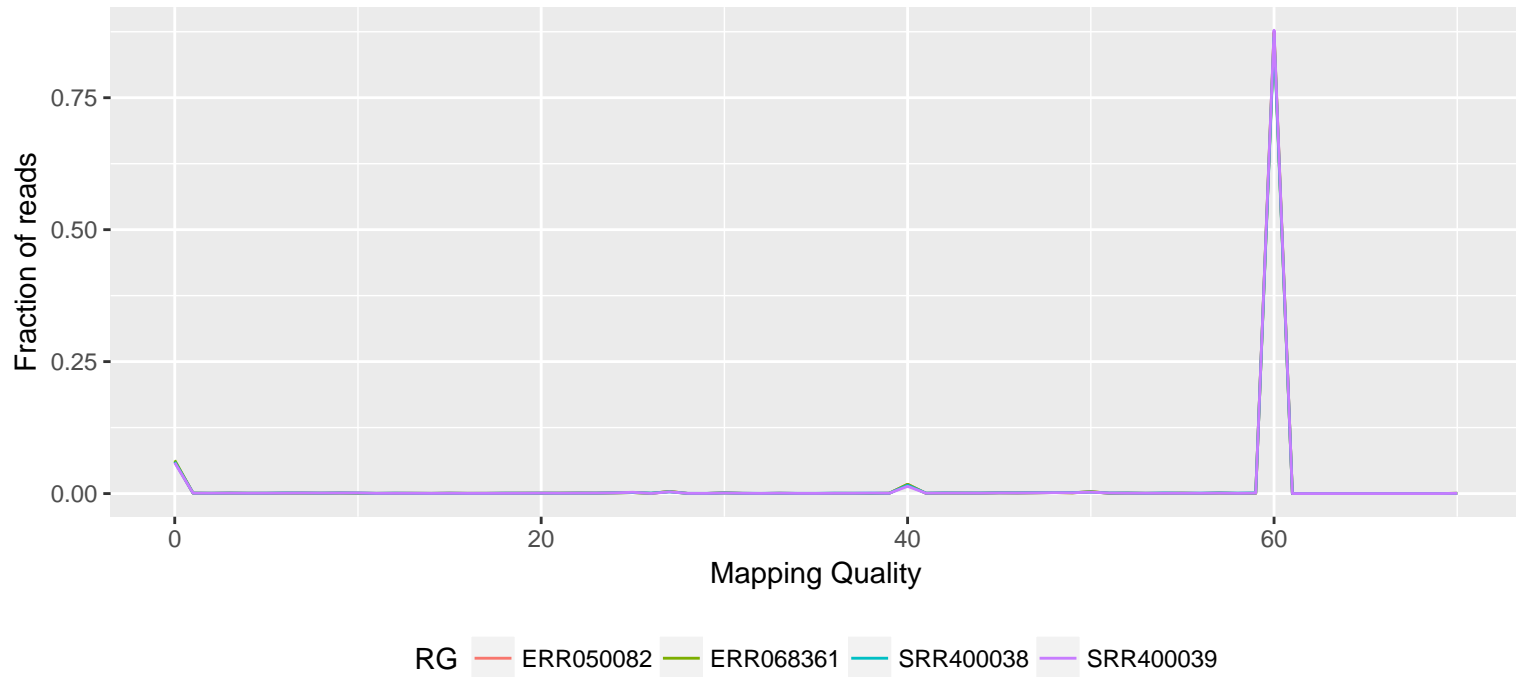
# Base Content Distribution



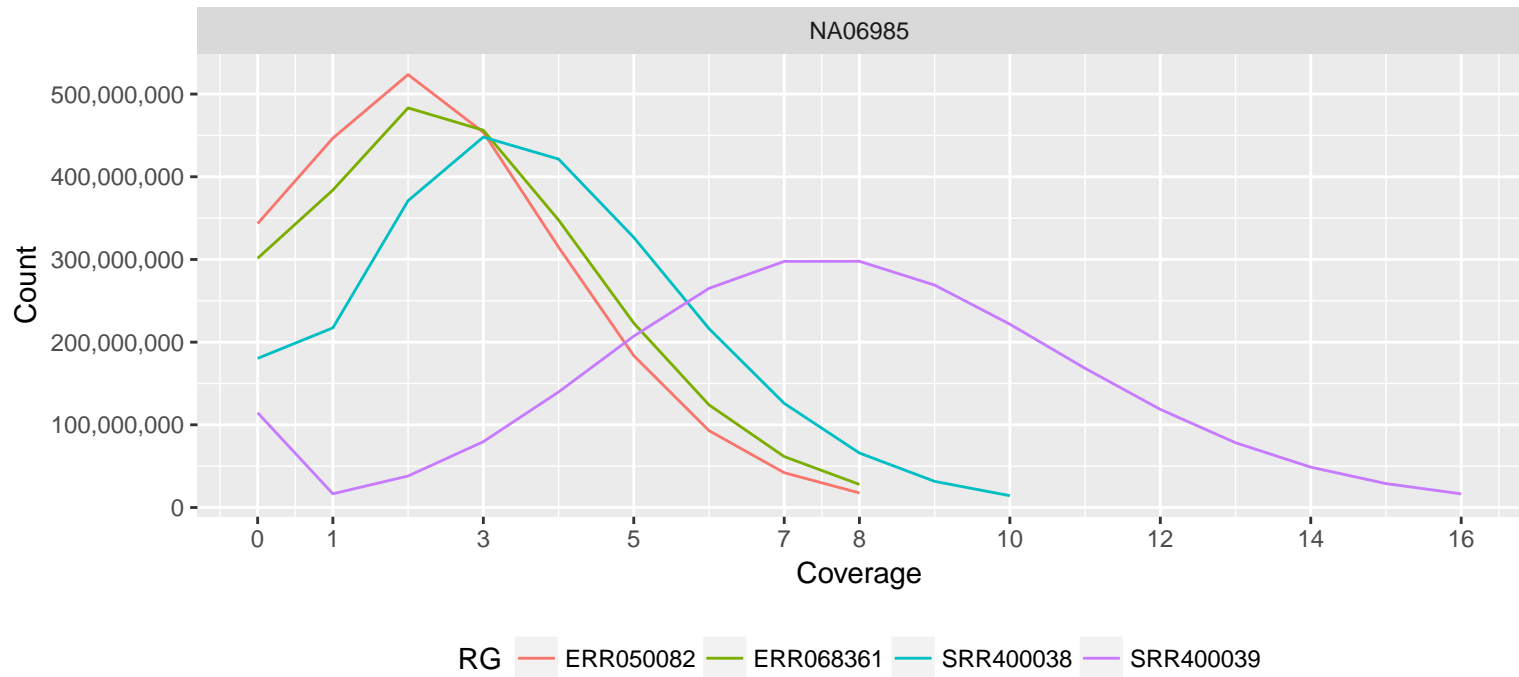
# Read Length Distribution



# Mapping Quality Distribution



# Coverage Distribution



# Insert Size Distribution

Insert size > 831 (11.98%)

Insert size < 156 (0.44%)



Sample	NA06985	NA06985	NA06985	NA06985
Library	SRR400039	SRR400038	ERR068361	ERR050082
#QCFail	0	0	0	0
QCFailFraction	0	0	0	0
#DuplicateMarked	2431204	1370415	897657	754067
DuplicateFraction	0.00977714	0.0114318	0.0095942	0.00892491
#Unmapped	1093849	1081555	1520782	1545333
UnmappedFraction	0.00439894	0.00902218	0.0162542	0.0182901
#Mapped	245137001	117425436	91144057	82190748
MappedFraction	0.985824	0.979546	0.974152	0.972785
#MappedRead1	122869879	59161519	45676305	41174957
#MappedRead2	122267122	58263917	45467752	41015791
RatioMapped2vsMapped1	0.995094	0.984828	0.995434	0.996134
#SecondaryAlignments	3578267	1562045	674414	810858
SecondaryAlignmentFraction	0.014597	0.0133024	0.00739943	0.00986556
#SupplementaryAlignments	8972999	4186877	3598217	3238496
SupplementaryAlignmentFraction	0.036604	0.0356556	0.0394784	0.0394022
#Pairs	130576303	62797390	48914962	44267679
#MappedPairs	129641649	61706651	47976665	43358636
MappedFraction	0.992842	0.982631	0.980818	0.979465
#MappedSameChr	106683474	51125989	46127107	41725963
MappedSameChrfraction	0.81702	0.814142	0.943006	0.942583
#ReferenceBp	3216700169	3216700169	3216700169	3216700169
#ReferenceNs	173893355	173893355	173893355	173893355
#AlignedBases	24249557863	11439865089	8976300240	8057270066
#MatchedBases	24027309538	11241195882	8918470223	7996763684
MatchRate	0.990835	0.982634	0.993557	0.99249
#MismatchedBases	222248325	198669207	57830017	60506382
MismatchRate	0.00916505	0.0173664	0.00644252	0.00750954
#DeletionsCigarD	3209151	1412772	999924	1027379
DeletionRate	0.000132339	0.000123496	0.000111396	0.00012751
#InsertionsCigarI	2125617	1029203	792792	753384
InsertionRate	8.76559e-05	8.99664e-05	8.83206e-05	9.35036e-05
#SoftClippedBases	26154469	13978289	6152364	8295662
SoftClipRate	0.00107855	0.00122189	0.000685401	0.00102959
#HardClippedBases	0	0	0	0
HardClipRate	0	0	0	0
ErrorRate	0.0104636	0.0188017	0.00732764	0.00876014
MedianReadLength	101	100	100	100
DefaultLibraryLayout	2	2	2	2
MedianInsertSize	349	348	493	497
MedianCoverage	8	4	3	2
SDCoverage	0.340204	0.320429	0.341641	0.33387
MedianMAPQ	60	60	60	60