

# Qualimap Analysis Results

*Multi-sample BAM QC analysis*

*Generated by Qualimap v.2.2*

*2021/05/06 14:43:13*

# 1. Input data & parameters

## 1.1. Samples

LP53	/data3/projects/plasmodium/anopheles/stat_descriptive/qualimap/LP53.out qualimap
LP52	/data3/projects/plasmodium/anopheles/stat_descriptive/qualimap/LP52.out qualimap
LP736	/data3/projects/plasmodium/anopheles/stat_descriptive/qualimap/LP736.out qualimap
LP934	/data3/projects/plasmodium/anopheles/stat_descriptive/qualimap/LP934.out qualimap
LP51	/data3/projects/plasmodium/anopheles/stat_descriptive/qualimap/LP51.out qualimap
LP697	/data3/projects/plasmodium/anopheles/stat_descriptive/qualimap/LP697.out qualimap
LP258	/data3/projects/plasmodium/anopheles/stat_descriptive/qualimap/LP258.out qualimap
LP259	/data3/projects/plasmodium/anopheles/stat_descriptive/qualimap/LP259.out qualimap
LBV112	/data3/projects/plasmodium/anopheles/stat_descriptive/qualimap/LBV112.out qualimap
LBV113	/data3/projects/plasmodium/anopheles/stat_descriptive/qualimap/LBV113.out qualimap

	utqualimap
LBV18	/data3/projects/plasmodium/anophele s/stat_descriptive/qualimap/LBV18.ou tqualimap
LP1145	/data3/projects/plasmodium/anophele s/stat_descriptive/qualimap/LP1145.o utqualimap
LBV57	/data3/projects/plasmodium/anophele s/stat_descriptive/qualimap/LBV57.ou tqualimap
LP937	/data3/projects/plasmodium/anophele s/stat_descriptive/qualimap/LP937.ou tqualimap
LBV114	/data3/projects/plasmodium/anophele s/stat_descriptive/qualimap/LBV114.o utqualimap
LBV11	/data3/projects/plasmodium/anophele s/stat_descriptive/qualimap/LBV11.ou tqualimap
LBV61	/data3/projects/plasmodium/anophele s/stat_descriptive/qualimap/LBV61.ou tqualimap
LP255	/data3/projects/plasmodium/anophele s/stat_descriptive/qualimap/LP255.ou tqualimap
LP250	/data3/projects/plasmodium/anophele s/stat_descriptive/qualimap/LP250.ou tqualimap
LP252	/data3/projects/plasmodium/anophele s/stat_descriptive/qualimap/LP252.ou tqualimap
LBV107	/data3/projects/plasmodium/anophele

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LP226	/data3/projects/plasmodium/anopheles/stat_descriptive/qualimap/LP226.outqualimap
LP45	/data3/projects/plasmodium/anopheles/stat_descriptive/qualimap/LP45.outqualimap
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LP700	/data3/projects/plasmodium/anopheles/stat_descriptive/qualimap/LP700.outqualimap
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LP1298	/data3/projects/plasmodium/anopheles/stat_descriptive/qualimap/LP1298.outqualimap
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LBV7	/data3/projects/plasmodium/anophele s/stat_descriptive/qualimap/LBV7.out qualimap
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LP79	/data3/projects/plasmodium/anophele

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LBV39	/data3/projects/plasmodium/anophele s/stat_descriptive/qualimap/LBV39.ou tqualimap
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LP1168	/data3/projects/plasmodium/anophele s/stat_descriptive/qualimap/LP1168.o utqualimap
LP1125	/data3/projects/plasmodium/anophele s/stat_descriptive/qualimap/LP1125.o utqualimap
LBV132	/data3/projects/plasmodium/anophele s/stat_descriptive/qualimap/LBV132.o utqualimap
LBV133	/data3/projects/plasmodium/anophele s/stat_descriptive/qualimap/LBV133.o utqualimap
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LP1291	/data3/projects/plasmodium/anopheles/stat_descriptive/qualimap/LP1291.outqualimap



	utqualimap
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LBV83	/data3/projects/plasmodium/anophele s/stat_descriptive/qualimap/LBV83.ou tqualimap
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LP63	/data3/projects/plasmodium/anophele s/stat_descriptive/qualimap/LP63.out qualimap
LP69	/data3/projects/plasmodium/anophele s/stat_descriptive/qualimap/LP69.out qualimap
LP1118	/data3/projects/plasmodium/anophele s/stat_descriptive/qualimap/LP1118.o utqualimap
LP687	/data3/projects/plasmodium/anophele s/stat_descriptive/qualimap/LP687.ou tqualimap
LP249	/data3/projects/plasmodium/anophele s/stat_descriptive/qualimap/LP249.ou tqualimap
LP722	/data3/projects/plasmodium/anophele

	s/stat_descriptive/qualimap/LP722.out qualimap
LP929	/data3/projects/plasmodium/anopheles/stat_descriptive/qualimap/LP929.out qualimap
LBV127	/data3/projects/plasmodium/anopheles/stat_descriptive/qualimap/LBV127.out qualimap
LBV47	/data3/projects/plasmodium/anopheles/stat_descriptive/qualimap/LBV47.out qualimap
LP926	/data3/projects/plasmodium/anopheles/stat_descriptive/qualimap/LP926.out qualimap
LBV88	/data3/projects/plasmodium/anopheles/stat_descriptive/qualimap/LBV88.out qualimap
LP1152	/data3/projects/plasmodium/anopheles/stat_descriptive/qualimap/LP1152.out qualimap
LP1281	/data3/projects/plasmodium/anopheles/stat_descriptive/qualimap/LP1281.out qualimap
LBV92	/data3/projects/plasmodium/anopheles/stat_descriptive/qualimap/LBV92.out qualimap
LP243	/data3/projects/plasmodium/anopheles/stat_descriptive/qualimap/LP243.out qualimap
LP71	/data3/projects/plasmodium/anopheles/stat_descriptive/qualimap/LP71.out qualimap

LP680

/data3/projects/plasmodium/anophele  
s/stat\_descriptive/qualimap/LP680.ou  
tqualimap

## 2. Summary

### 2.1. Globals

Number of samples	96
Total number of mapped reads	8 964 253 898
Mean samples coverage	48,78
Mean samples GC-content	46,17
Mean samples mapping quality	49,67
Mean samples insert size	380,12

### 2.2. Sample statistics

Sample name	Coverage mean	Coverage std	GC percentage	Mapping quality mean	Insert size median
LBV100	47.3872	913.1993	46.45	49.7389	419.0
LBV101	64.0985	774.3221	46.82	50.0795	415.0
LBV102	63.7524	954.7226	46.25	49.6547	420.0
LBV105	66.853	1230.1641	46.69	49.7916	419.0
LBV106	103.7061	1212.5096	46.73	49.8434	371.0
LBV107	52.4429	915.6427	45.95	49.7745	419.0
LBV112	51.5108	452.0638	46.41	49.6131	436.0
LBV113	48.8879	750.767	46.76	49.8582	413.0
LBV114	40.4671	449.6496	46.73	49.5581	412.0
LBV11	41.8605	397.3334	46.71	49.8745	425.0
LBV127	70.7969	923.4807	46.68	49.7368	410.0
LBV130	35.4117	542.0068	46.21	49.7168	415.0

LBV132	42.7449	578.0688	46.66	49.9847	398.0
LBV133	120.0541	1861.9692	46.69	49.7811	407.0
LBV134	56.1909	857.3338	46.96	49.9112	428.0
LBV18	61.0898	1021.7494	46.01	49.722	419.0
LBV24	68.9684	909.6435	46.22	49.6906	433.0
LBV27	73.0479	811.7916	46.36	49.8541	427.0
LBV30	55.7382	787.4901	46.13	49.5459	477.0
LBV31	59.5977	829.5028	46.72	49.912	406.0
LBV39	79.715	925.1031	46.94	49.6994	434.0
LBV43	54.7215	983.8235	46.61	49.8131	429.0
LBV47	73.1714	1026.4828	46.39	49.6784	435.0
LBV57	53.9301	743.4605	46.59	49.4696	468.0
LBV61	48.8069	864.653	46.3	49.951	404.0
LBV70	40.4822	390.6969	45.89	49.9289	428.0
LBV72	68.0347	889.1131	47.06	49.913	426.0
LBV7	59.132	954.641	46.78	49.9308	401.0
LBV82	50.756	664.1231	46.92	49.8708	414.0
LBV83	38.8423	566.5982	46.55	49.6304	425.0
LBV88	46.308	420.09	46.83	50.0084	424.0
LBV92	81.5558	1344.4332	47.27	49.7317	424.0
LP1118	7.2205	196.836	45.72	49.5523	292.0
LP1120	20.8843	313.6136	45.58	49.6357	321.0
LP1121	56.6726	1795.8551	45.15	49.4345	367.0
LP1124	26.672	518.5375	45.63	49.7883	353.0

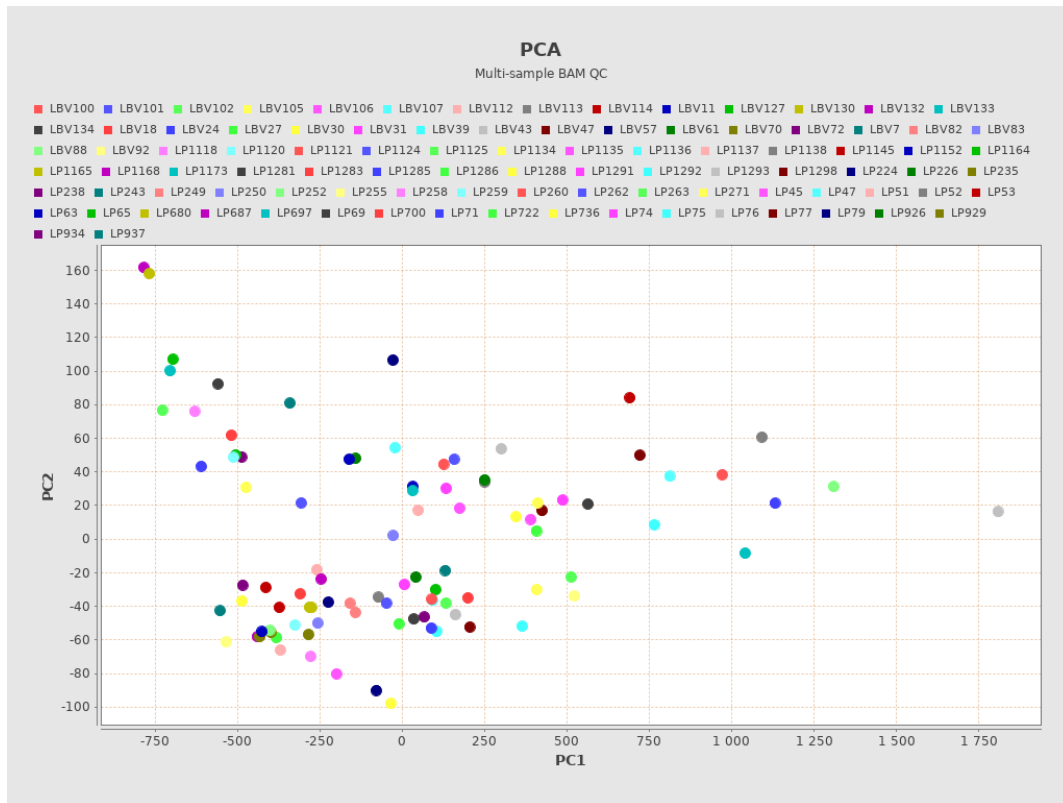
LP1125	4.276	98.7471	46.11	49.7202	289.0
LP1134	19.0252	351.3658	45.43	49.6864	340.0
LP1135	66.0288	621.6737	46.98	49.8274	453.0
LP1136	68.2762	1635.9625	46.02	49.7386	362.0
LP1137	55.9323	873.3797	46.22	49.4653	363.0
LP1138	89.245	1916.4619	46.69	49.5037	343.0
LP1145	36.8772	1517.8699	45.51	49.1225	316.0
LP1152	32.3842	664.4036	45.04	49.6625	330.0
LP1164	6.2333	131.4833	45.97	49.2999	259.0
LP1165	2.6951	61.9879	45.8	49.0684	206.0
LP1168	2.2563	44.3594	46.04	49.5646	202.0
LP1173	47.6021	855.7498	45.9	49.7057	352.0
LP1281	52.3921	1388.6726	45.83	49.794	374.0
LP1283	16.3802	307.7459	45.71	49.8124	308.0
LP1285	10.2038	216.2524	45.1	49.55	325.0
LP1286	78.1305	1229.996	46.41	49.6982	382.0
LP1288	77.5153	1169.5023	45.98	49.7618	372.0
LP1291	49.4543	958.2363	46.15	49.4557	353.0
LP1292	100.3509	1587.089	46.29	49.6595	385.0
LP1293	63.0485	1125.0358	46.59	49.5924	332.0
LP1298	60.3454	1545.8391	46.21	49.7197	348.0
LP224	26.6276	599.663	46.7	49.5389	415.0
LP226	43.7408	1075.3464	45.62	49.7934	352.0
LP235	34.6745	424.1452	46.13	49.746	427.0

LP238	23.0679	340.0053	46.1	49.728	398.0
LP243	13.6296	271.6242	46.02	49.6716	413.0
LP249	42.7146	681.3035	46.49	49.6644	421.0
LP250	63.621	796.5578	46.38	49.9749	375.0
LP252	88.4941	2132.5159	46.06	49.7877	379.0
LP255	14.3988	288.7613	46.12	49.5803	432.0
LP258	41.1284	544.9547	46.44	49.8692	444.0
LP259	39.6894	496.7699	46.62	49.6024	424.0
LP260	65.769	949.5783	47.25	49.5177	336.0
LP262	45.3669	982.387	45.95	49.7901	337.0
LP263	48.0064	1336.6574	45.77	49.5854	417.0
LP271	100.7344	1233.7153	46.6	49.8982	362.0
LP45	43.7257	998.9884	45.04	49.4447	367.0
LP47	31.2861	804.7446	45.06	49.2768	327.0
LP51	15.5261	565.8611	45.22	49.2776	396.0
LP52	39.303	1075.7316	45.68	49.1763	354.0
LP53	18.1956	410.2238	45.03	49.2005	402.0
LP63	31.5652	857.4396	45.06	49.0567	352.0
LP65	17.307	320.4284	45.81	49.1412	320.0
LP680	32.1926	547.9935	46.16	49.5546	416.0
LP687	31.3607	382.9842	46.38	49.6922	429.0
LP697	4.2492	123.4967	45.99	49.5583	266.0
LP69	9.0264	268.7515	45.7	49.696	277.0
LP700	37.8897	513.6199	46.76	49.6959	406.0

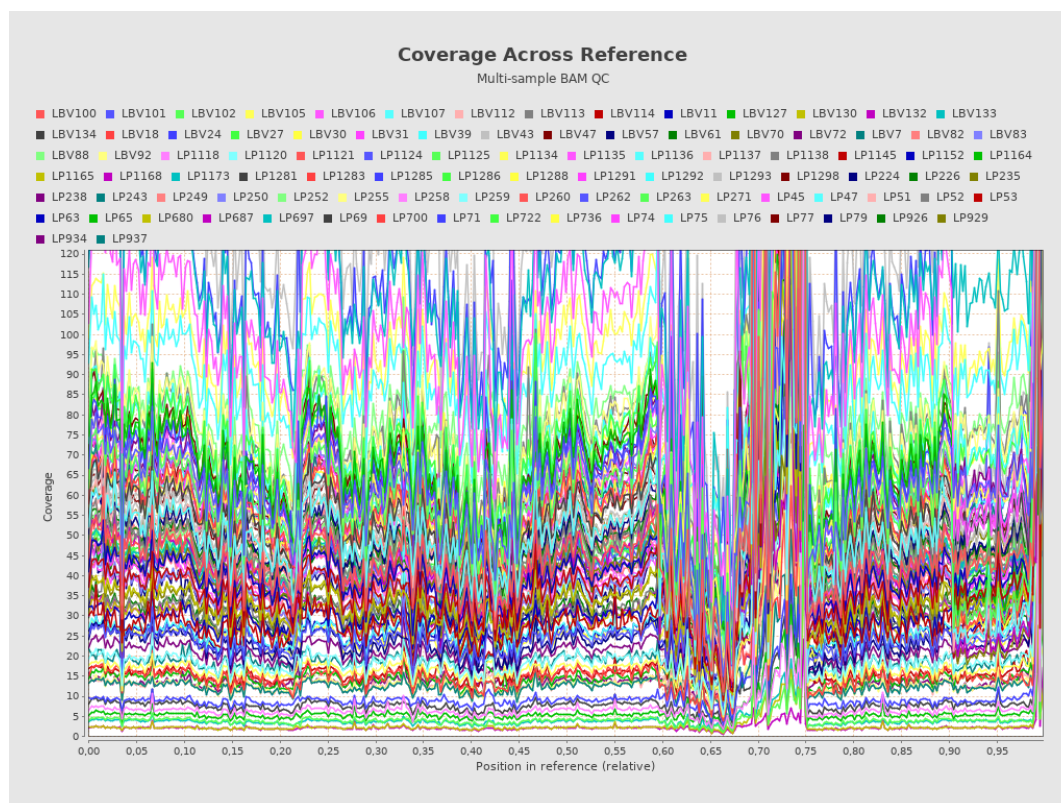
LP71	123.073	1952.8745	45.91	49.8115	379.0
LP722	45.3953	440.6355	46.38	49.8247	429.0
LP736	27.0673	338.1214	46.35	49.6649	407.0
LP74	70.0714	1310.3422	45.69	49.3226	367.0
LP75	72.6849	1185.9291	45.97	49.7663	439.0
LP76	141.9093	2628.9266	46.38	49.6173	400.0
LP77	67.4967	1248.4403	45.85	49.7089	372.0
LP79	39.4045	798.7778	47.94	49.5312	273.0
LP926	32.6672	684.4399	46.28	49.9668	330.0
LP929	52.9115	537.8719	46.6	49.8126	429.0
LP934	15.7694	338.1344	44.4	49.6294	322.0
LP937	20.8809	486.2434	44.3	49.7842	293.0



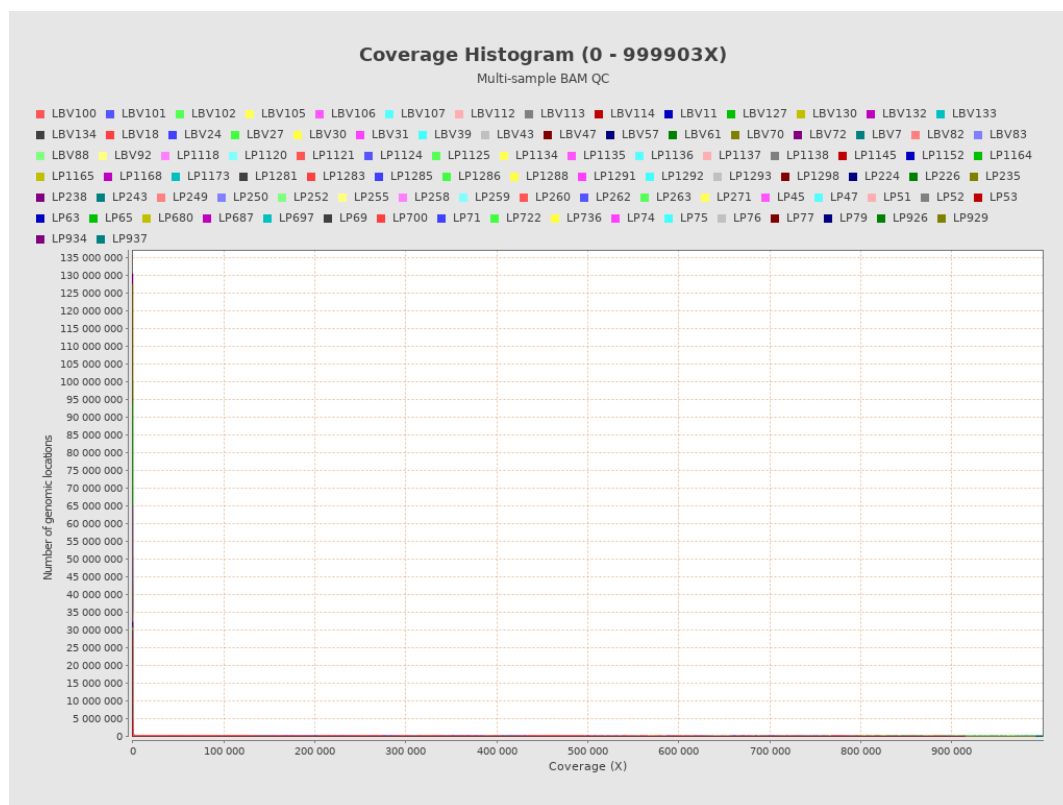
### 3. Results : PCA



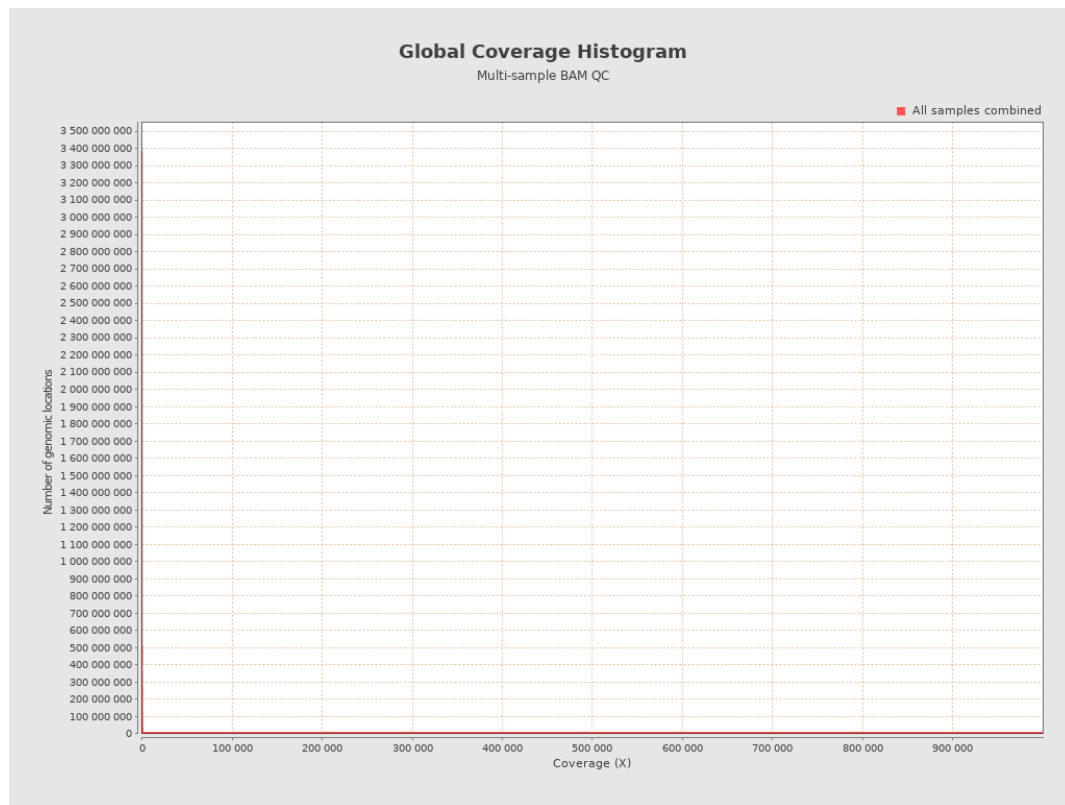
## 4. Results : Coverage Across Reference



## 5. Results : Coverage Histogram (0 - 999903X)

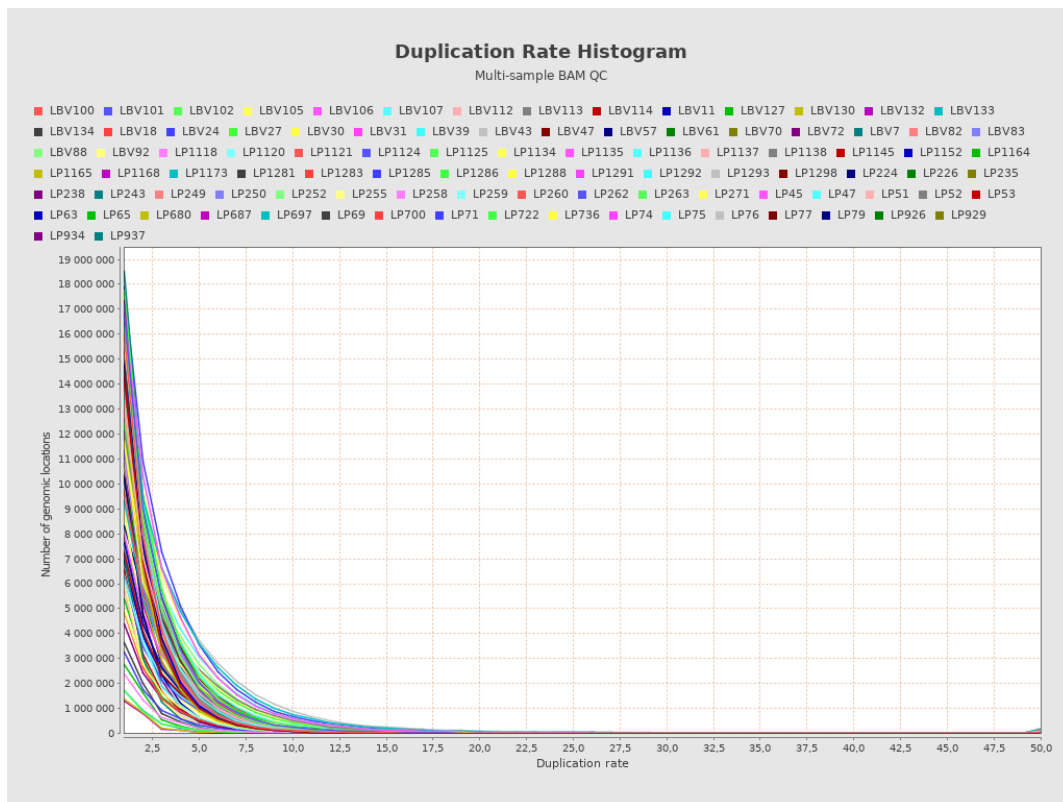


## 6. Results : Global Coverage Histogram

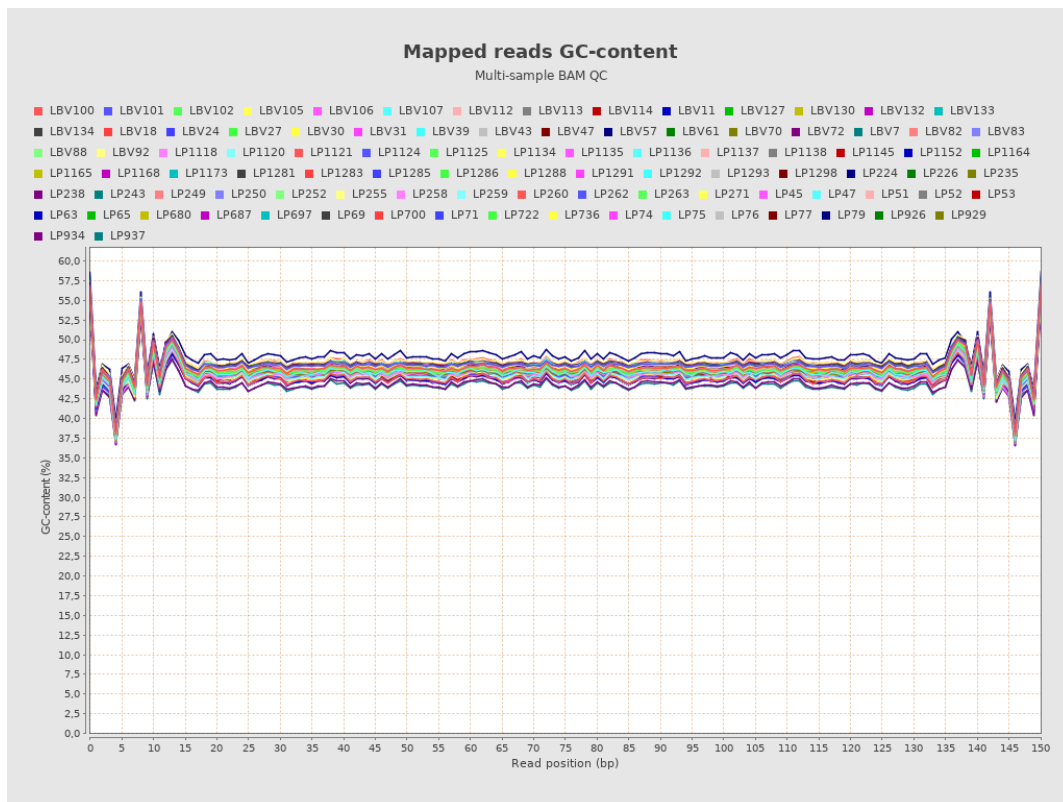




## 8. Results : Duplication Rate Histogram



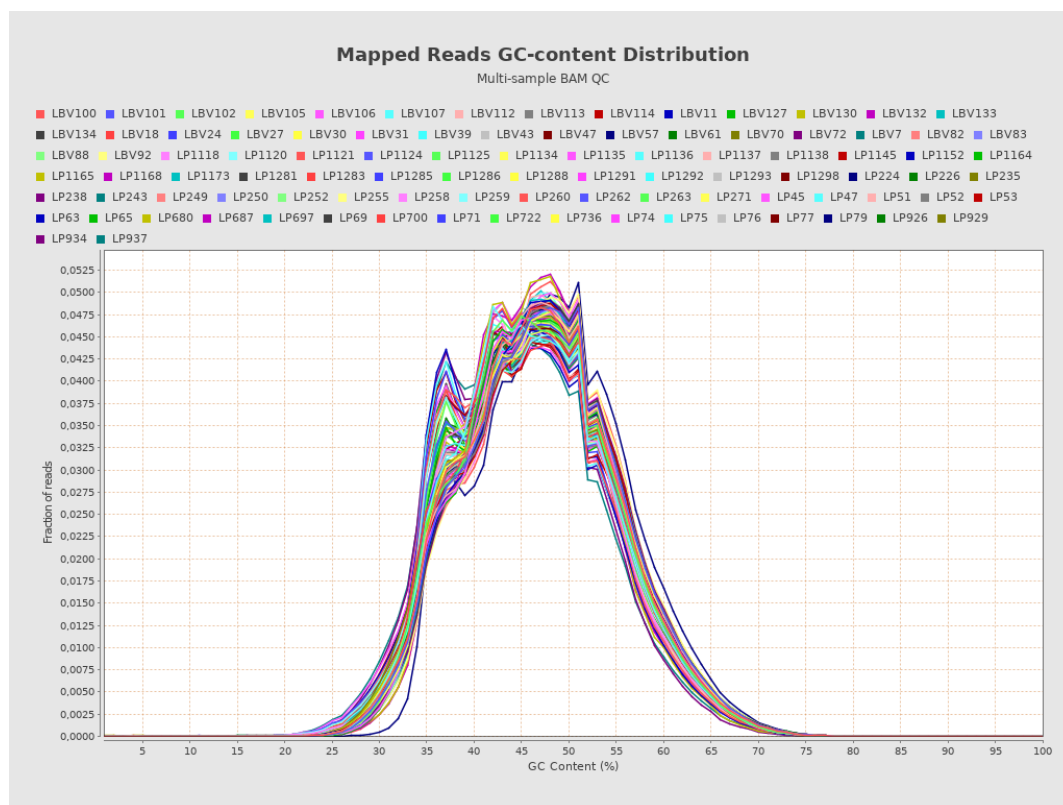
## 9. Results : Mapped reads GC-content



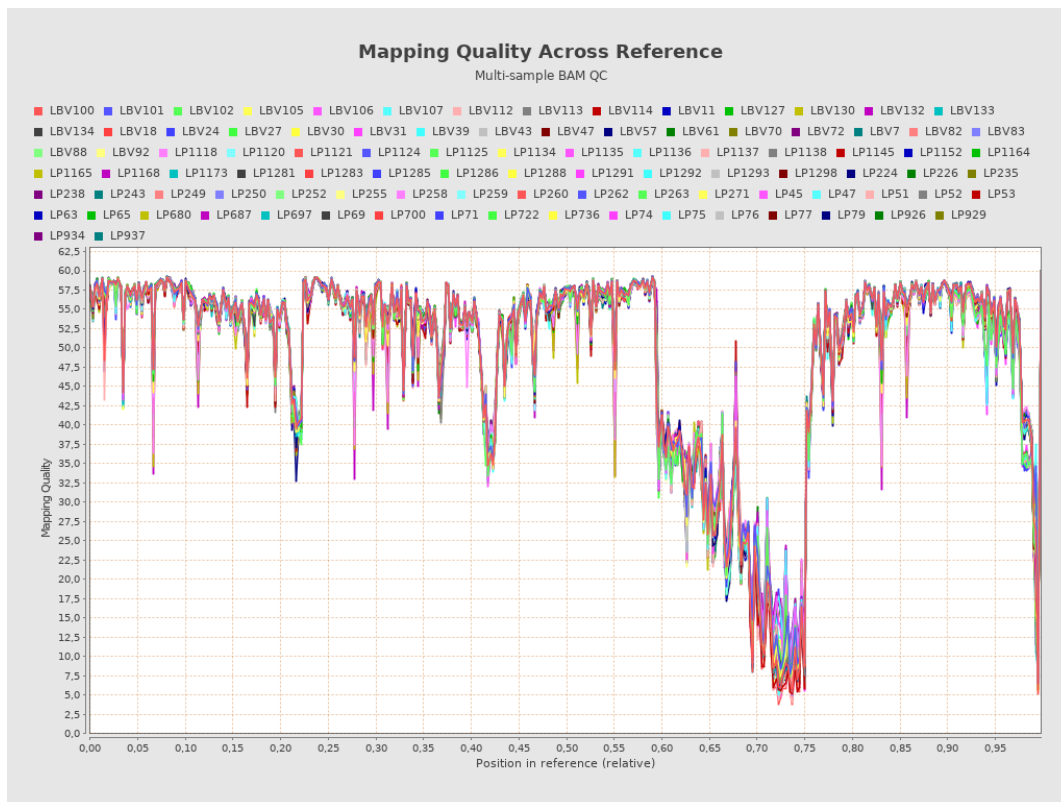




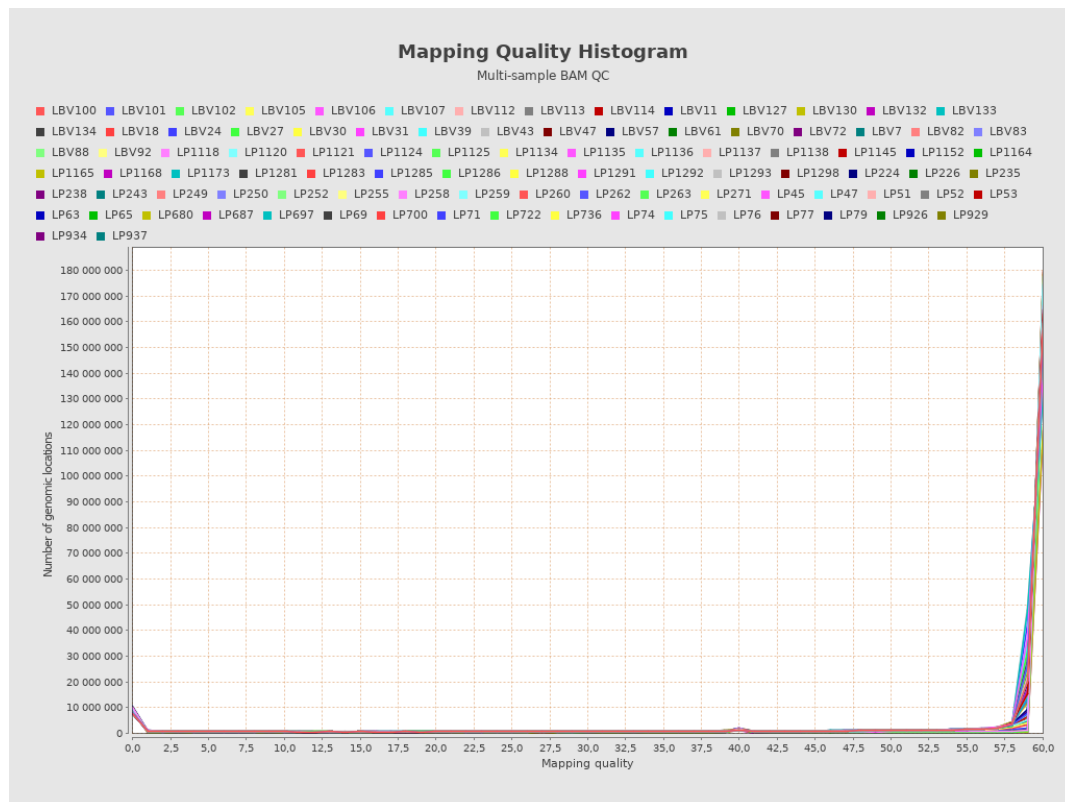
# 11. Results : Mapped Reads GC-content Distribution



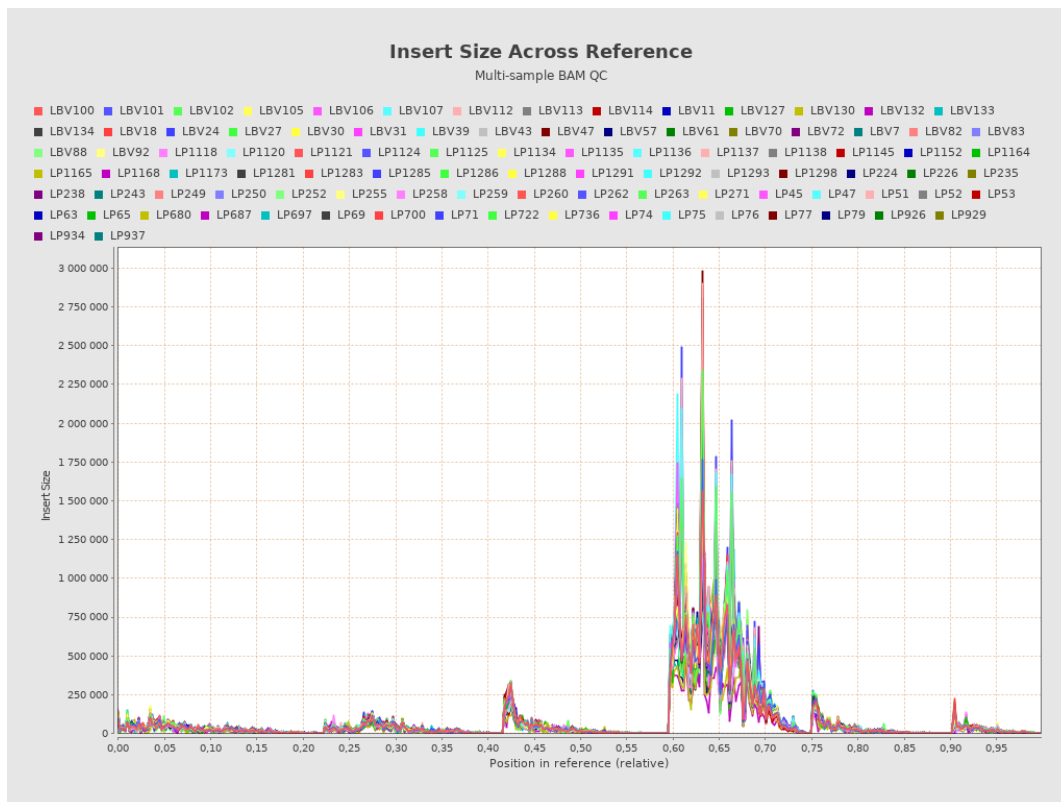
## 12. Results : Mapping Quality Across Reference



# 13. Results : Mapping Quality Histogram



## 14. Results : Insert Size Across Reference



# 15. Results : Insert Size Histogram

