

Figure 1 A 2D read aligned to the reference – yeast S288C.

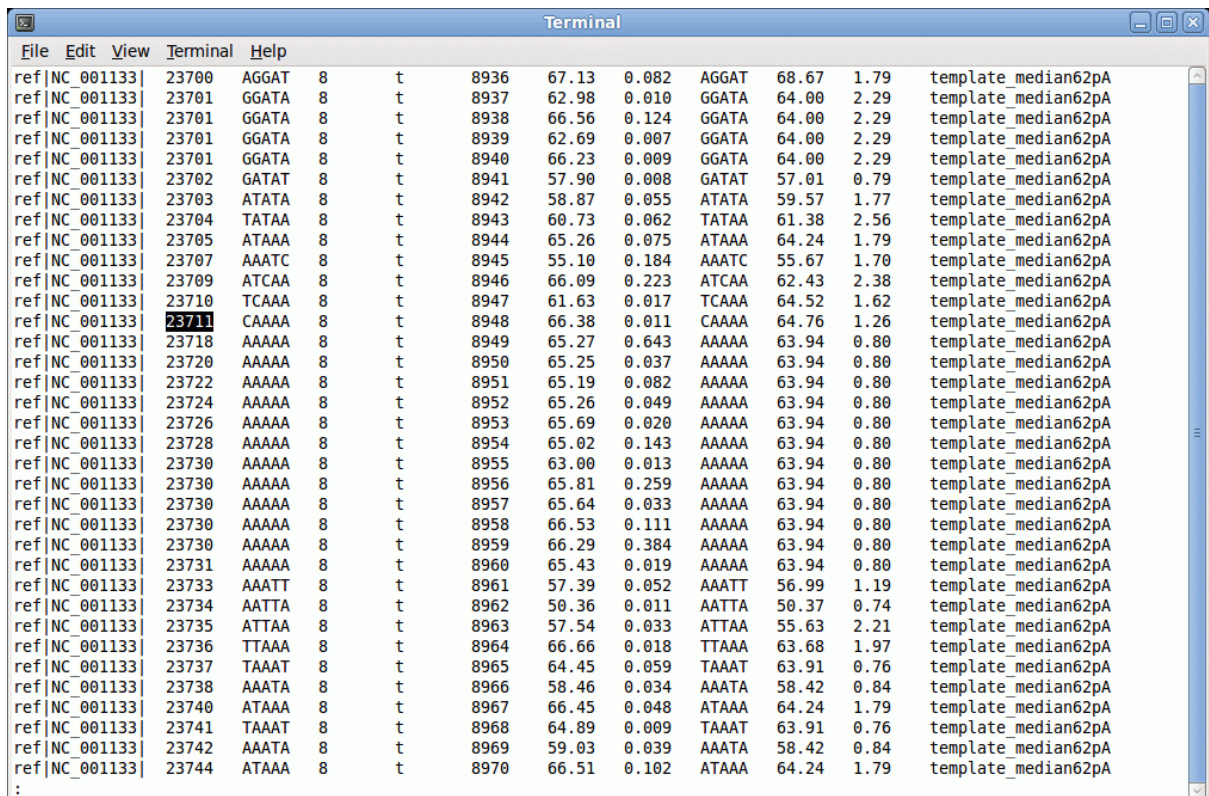


Figure 2 Event profile at the targeted region from template strain Read 8 – kmers of AAAAA are presented both in the reference and in the raw data.



File	Edit	View	Terminal	Help							
ref NC_001133	23700	AGGAT	13	c	1234	83.62	0.013	AGGAT	70.28	2.92	complement_median62pA_pop2
ref NC_001133	23701	GGATA	13	c	1235	76.49	0.013	GGATA	71.20	4.88	complement_median62pA_pop2
ref NC_001133	23702	GATAT	13	c	1236	59.09	0.128	GATAT	59.16	2.31	complement_median62pA_pop2
ref NC_001133	23703	ATATA	13	c	1237	59.81	0.107	ATATA	61.82	1.86	complement_median62pA_pop2
ref NC_001133	23705	ATAAA	13	c	1238	64.89	0.009	ATAAA	64.41	2.68	complement_median62pA_pop2
ref NC_001133	23705	ATAAA	13	c	1239	73.75	0.010	ATAAA	64.41	2.68	complement_median62pA_pop2
ref NC_001133	23706	TAAAT	13	c	1240	66.70	0.008	TAAAT	67.41	1.30	complement_median62pA_pop2
ref NC_001133	23708	AATCA	13	c	1241	52.24	0.014	AATCA	53.00	2.47	complement_median62pA_pop2
ref NC_001133	23708	AATCA	13	c	1242	50.22	0.008	AATCA	53.00	2.47	complement_median62pA_pop2
ref NC_001133	23708	AATCA	13	c	1243	52.60	0.013	AATCA	53.00	2.47	complement_median62pA_pop2
ref NC_001133	23709	ATCAA	13	c	1244	58.44	0.019	ATCAA	60.51	3.45	complement_median62pA_pop2
ref NC_001133	23710	TCAAA	13	c	1245	67.51	0.080	TCAAA	68.35	1.34	complement_median62pA_pop2
ref NC_001133	23736	TTAAA	13	c	1246	70.58	0.005	TTAAA	62.86	3.98	complement_median62pA_pop2
ref NC_001133	23737	TAAAT	13	c	1247	65.90	0.062	TAAAT	67.41	1.30	complement_median62pA_pop2
ref NC_001133	23740	ATAAA	13	c	1248	70.57	0.003	ATAAA	64.41	2.68	complement_median62pA_pop2
ref NC_001133	23744	ATAAA	13	c	1249	65.97	0.219	ATAAA	64.41	2.68	complement_median62pA_pop2
ref NC_001133	23745	TAAAT	13	c	1250	69.56	0.016	TAAAT	67.41	1.30	complement_median62pA_pop2
ref NC_001133	23748	ATAAA	13	c	1251	71.73	0.008	ATAAA	64.41	2.68	complement_median62pA_pop2
ref NC_001133	23749	TAAAA	13	c	1252	69.91	0.034	TAAAA	68.11	1.03	complement_median62pA_pop2
ref NC_001133	23754	TAAAT	13	c	1253	70.08	0.031	TAAAT	67.41	1.30	complement_median62pA_pop2
ref NC_001133	23758	TACAA	13	c	1254	71.84	0.008	TACAA	67.68	2.61	complement_median62pA_pop2
ref NC_001133	23759	ACAAT	13	c	1255	69.92	0.032	ACAAT	68.79	1.33	complement_median62pA_pop2
ref NC_001133	23761	AATGA	13	c	1256	59.36	0.062	AATGA	57.63	2.39	complement_median62pA_pop2
ref NC_001133	23762	ATGAT	13	c	1257	55.10	0.014	ATGAT	57.66	1.74	complement_median62pA_pop2
ref NC_001133	23764	GATAT	13	c	1258	57.08	0.011	GATAT	59.16	2.31	complement_median62pA_pop2
ref NC_001133	23766	TATCG	13	c	1259	55.03	0.009	TATCG	55.90	2.03	complement_median62pA_pop2
ref NC_001133	23767	ATCGA	13	c	1260	61.48	0.028	ATCGA	60.03	3.82	complement_median62pA_pop2
ref NC_001133	23767	ATCGA	13	c	1261	61.79	0.029	ATCGA	60.03	3.82	complement_median62pA_pop2
ref NC_001133	23768	TCGAT	13	c	1262	68.51	0.037	TCGAT	68.59	2.30	complement_median62pA_pop2
ref NC_001133	23770	GATAA	13	c	1263	58.48	0.010	GATAA	59.57	2.28	complement_median62pA_pop2
ref NC_001133	23771	ATAAC	13	c	1264	63.78	0.039	ATAAC	63.44	2.13	complement_median62pA_pop2
ref NC_001133	23772	TAACG	13	c	1265	59.83	0.032	TAACG	62.18	2.22	complement_median62pA_pop2
ref NC_001133	23773	AACGG	13	c	1266	63.33	0.027	AACGG	61.49	2.47	complement_median62pA_pop2
ref NC_001133	23774	ACGGT	13	c	1267	68.88	0.026	ACGGT	68.78	2.14	complement_median62pA_pop2
ref NC_001133	23775	CGGTG	13	c	1268	60.24	0.014	CGGTG	60.23	4.48	complement_median62pA_pop2

Figure 5 Event profile at the targeted region from reverse complement strain Read 13 – kmers of AAAAA are not presented.

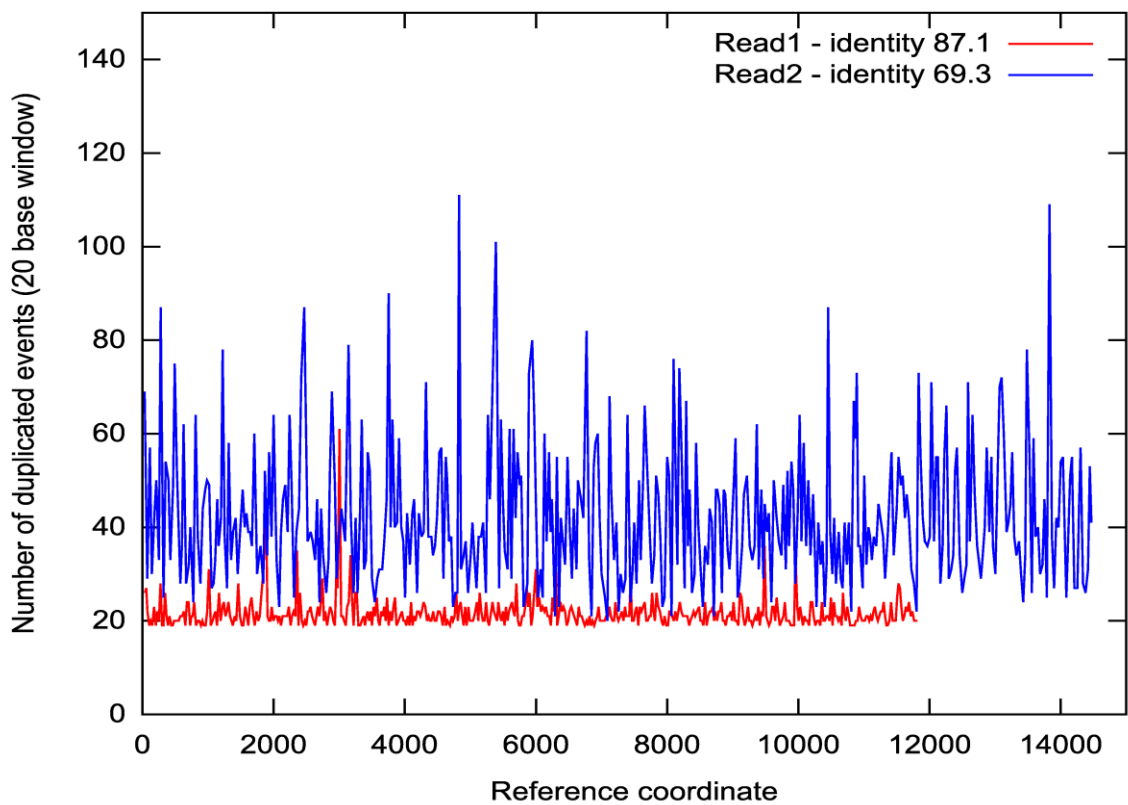


Figure 6 Read base quality is consistent with the number of erroneous kmer events.