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1. Summary mapping report

1.1 Summary statistics

	Count	Average length	Total bases
Reads	86,683,434	64.42	5,583,851,924
Matched	47,118,833	61.57	2,901,046,221
Not matched	39,564,601	67.81	2,682,805,703
Contigs	88,000	343	30,222,915
Paired reads	33,214	204.48	
Broken paired reads	5,801,938	61.1	

1.2 General algorithm parameters

Parameter	Value
Conflict resolution	Vote (A, C, G, T)
Non specific matches	random

1.3 Reads parameters

Reads	Length	Type	Parameters
SRR980918 trimmed	Long	Single	Default
SRR280842_1 (paired) trimmed (paired)	Long	Paired	Default
SRR280842_1 (paired) trimmed	Long	Single	Default
SRR280911_1 (paired) trimmed (paired)	Long	Paired	Default
SRR280911_1 (paired) trimmed	Long	Single	Default
SRR280910_1 (paired) trimmed (paired)	Long	Paired	Default
SRR280910_1 (paired) trimmed	Long	Single	Default
SRR280912 trimmed	Long	Single	Default
SRR280913 trimmed	Long	Single	Default
SRR280914 trimmed	Long	Single	Default

Reads	Length	Type	Parameters
SRR280915 trimmed	Long	Single	Default
SRR280916 trimmed	Long	Single	Default
SRR280917 trimmed	Long	Single	Default
SRR280918 trimmed	Long	Single	Default
SRR280986 trimmed	Long	Single	Default
SRR280987 trimmed	Long	Single	Default
SRR280988 trimmed	Long	Single	Default
SRR280989 trimmed	Long	Single	Default
SRR280990 trimmed	Long	Single	Default
SRR280991 trimmed	Long	Single	Default
SRR280992 trimmed	Long	Single	Default
SRR280993 trimmed	Long	Single	Default
SRR281061 trimmed	Long	Single	Default
SRR281062 trimmed	Long	Single	Default
SRR281063 trimmed	Long	Single	Default
SRR281064 trimmed	Long	Single	Default
SRR281065 trimmed	Long	Single	Default
SRR281066 trimmed	Long	Single	Default

1.4 Quality measurement

N75	247
N50	336
N25	549

1.5 Distribution of read length

Length	Count	Percentage	Cummulative Percentage
25	276,802	0.3%	0.3%
26	302,363	0.3%	0.7%
27	455,861	0.5%	1.2%
28	355,586	0.4%	1.6%
29	456,580	0.5%	2.1%
30	450,144	0.5%	2.7%
31	421,137	0.5%	3.1%
32	384,198	0.4%	3.6%

Length	Count	Percentage	Cummulative Percentage
33	578,211	0.7%	4.2%
34	489,879	0.6%	4.8%
35	649,240	0.7%	5.6%
36	470,218	0.5%	6.1%
37	523,839	0.6%	6.7%
38	625,278	0.7%	7.4%
39	803,912	0.9%	8.4%
40	834,436	1.0%	9.3%
41	588,288	0.7%	10.0%
42	424,066	0.5%	10.5%
43	334,264	0.4%	10.9%
44	335,805	0.4%	11.3%
45	419,438	0.5%	11.7%
46	266,239	0.3%	12.1%
47	232,362	0.3%	12.3%
48	254,703	0.3%	12.6%
49	363,974	0.4%	13.0%
50	478,487	0.6%	13.6%
51	296,754	0.3%	13.9%
52	337,343	0.4%	14.3%
53	351,163	0.4%	14.7%
54	424,208	0.5%	15.2%
55	526,366	0.6%	15.8%
56	345,869	0.4%	16.2%
57	445,344	0.5%	16.7%
58	478,365	0.6%	17.3%
59	691,686	0.8%	18.1%
60	621,885	0.7%	18.8%
61	609,703	0.7%	19.5%
62	628,843	0.7%	20.2%
63	1,263,659	1.5%	21.7%
64	1,239,201	1.4%	23.1%
65	1,458,660	1.7%	24.8%
66	3,004,586	3.5%	28.3%
67	1,486,236	1.7%	30.0%
68	1,338,504	1.5%	31.5%
69	20,233,039	23.3%	54.9%

Length	Count	Percentage	Cummulative Percentage
70	2,310,142	2.7%	57.5%
71	36,816,568	42.5%	100.0%

1.6 Distribution of matched read length

Length	Count	Percentage	Cummulative Percentage
25	220,318	0.5%	0.5%
26	257,054	0.5%	1.0%
27	408,706	0.9%	1.9%
28	303,772	0.6%	2.5%
29	397,416	0.8%	3.4%
30	397,500	0.8%	4.2%
31	371,826	0.8%	5.0%
32	342,963	0.7%	5.7%
33	532,353	1.1%	6.9%
34	432,960	0.9%	7.8%
35	581,928	1.2%	9.0%
36	419,434	0.9%	9.9%
37	462,729	1.0%	10.9%
38	561,198	1.2%	12.1%
39	726,938	1.5%	13.6%
40	738,508	1.6%	15.2%
41	528,207	1.1%	16.3%
42	359,579	0.8%	17.1%
43	249,889	0.5%	17.6%
44	236,246	0.5%	18.1%
45	280,052	0.6%	18.7%
46	178,861	0.4%	19.1%
47	150,857	0.3%	19.4%
48	159,836	0.3%	19.7%
49	234,314	0.5%	20.2%
50	305,257	0.6%	20.9%
51	182,445	0.4%	21.3%
52	216,752	0.5%	21.7%
53	223,752	0.5%	22.2%
54	265,319	0.6%	22.8%
55	352,288	0.7%	23.5%

Length	Count	Percentage	Cummulative Percentage
56	213,385	0.5%	24.0%
57	300,664	0.6%	24.6%
58	315,880	0.7%	25.3%
59	477,027	1.0%	26.3%
60	416,538	0.9%	27.2%
61	370,409	0.8%	28.0%
62	399,805	0.8%	28.8%
63	982,140	2.1%	30.9%
64	852,604	1.8%	32.7%
65	1,007,072	2.1%	34.8%
66	2,504,515	5.3%	40.2%
67	948,396	2.0%	42.2%
68	676,865	1.4%	43.6%
69	8,781,305	18.6%	62.2%
70	1,010,919	2.1%	64.4%
71	16,782,052	35.6%	100.0%

1.7 Distribution of non-matched read length

Length	Count	Percentage	Cummulative Percentage
25	56,484	0.1%	0.1%
26	45,309	0.1%	0.3%
27	47,155	0.1%	0.4%
28	51,814	0.1%	0.5%
29	59,164	0.1%	0.7%
30	52,644	0.1%	0.8%
31	49,311	0.1%	0.9%
32	41,235	0.1%	1.0%
33	45,858	0.1%	1.1%
34	56,919	0.1%	1.3%
35	67,312	0.2%	1.4%
36	50,784	0.1%	1.6%
37	61,110	0.2%	1.7%
38	64,080	0.2%	1.9%
39	76,974	0.2%	2.1%
40	95,928	0.2%	2.3%
41	60,081	0.2%	2.5%

Length	Count	Percentage	Cummulative Percentage
42	64,487	0.2%	2.6%
43	84,375	0.2%	2.9%
44	99,559	0.3%	3.1%
45	139,386	0.4%	3.5%
46	87,378	0.2%	3.7%
47	81,505	0.2%	3.9%
48	94,867	0.2%	4.1%
49	129,660	0.3%	4.5%
50	173,230	0.4%	4.9%
51	114,309	0.3%	5.2%
52	120,591	0.3%	5.5%
53	127,411	0.3%	5.8%
54	158,889	0.4%	6.2%
55	174,078	0.4%	6.7%
56	132,484	0.3%	7.0%
57	144,680	0.4%	7.4%
58	162,485	0.4%	7.8%
59	214,659	0.5%	8.3%
60	205,347	0.5%	8.8%
61	239,294	0.6%	9.4%
62	229,038	0.6%	10.0%
63	281,519	0.7%	10.7%
64	386,597	1.0%	11.7%
65	451,588	1.1%	12.8%
66	500,071	1.3%	14.1%
67	537,840	1.4%	15.5%
68	661,639	1.7%	17.1%
69	11,451,734	28.9%	46.1%
70	1,299,223	3.3%	49.4%
71	20,034,516	50.6%	100.0%

1.8 Paired reads distance distribution

Distance	Count	Percentage	Cummulative Percentage
180	1,068	3.2%	3.2%
181	968	2.9%	6.1%
182	995	3.0%	9.1%

Distance	Count	Percentage	Cummulative Percentage
183	944	2.8%	12.0%
184	899	2.7%	14.7%
185	919	2.8%	17.4%
186	870	2.6%	20.1%
187	868	2.6%	22.7%
188	842	2.5%	25.2%
189	810	2.4%	27.6%
190	817	2.5%	30.1%
191	768	2.3%	32.4%
192	714	2.1%	34.6%
193	702	2.1%	36.7%
194	684	2.1%	38.7%
195	664	2.0%	40.7%
196	664	2.0%	42.7%
197	654	2.0%	44.7%
198	662	2.0%	46.7%
199	622	1.9%	48.6%
200	560	1.7%	50.3%
201	578	1.7%	52.0%
202	587	1.8%	53.8%
203	548	1.6%	55.4%
204	570	1.7%	57.1%
205	549	1.7%	58.8%
206	488	1.5%	60.3%
207	499	1.5%	61.8%
208	461	1.4%	63.1%
209	446	1.3%	64.5%
210	447	1.3%	65.8%
211	473	1.4%	67.3%
212	448	1.3%	68.6%
213	425	1.3%	69.9%
214	422	1.3%	71.2%
215	409	1.2%	72.4%
216	411	1.2%	73.6%
217	395	1.2%	74.8%
218	368	1.1%	75.9%
219	375	1.1%	77.1%

Distance	Count	Percentage	Cummulative Percentage
220	334	1.0%	78.1%
221	341	1.0%	79.1%
222	334	1.0%	80.1%
223	312	0.9%	81.0%
224	318	1.0%	82.0%
225	319	1.0%	82.9%
226	297	0.9%	83.8%
227	310	0.9%	84.8%
228	292	0.9%	85.7%
229	285	0.9%	86.5%
230	310	0.9%	87.4%
231	262	0.8%	88.2%
232	249	0.7%	89.0%
233	276	0.8%	89.8%
234	249	0.7%	90.6%
235	244	0.7%	91.3%
236	247	0.7%	92.0%
237	254	0.8%	92.8%
238	211	0.6%	93.4%
239	198	0.6%	94.0%
240	194	0.6%	94.6%
241	210	0.6%	95.3%
242	199	0.6%	95.9%
243	189	0.6%	96.4%
244	196	0.6%	97.0%
245	190	0.6%	97.6%
246	169	0.5%	98.1%
247	158	0.5%	98.6%
248	161	0.5%	99.1%
249	144	0.4%	99.5%
250	169	0.5%	100.0%