Table of contents

1. Summary mapping report

1.1 Summary statistics

	Count	Average length	Total bases
Reads	230,526	304.62	70,222,667
Matched	201,229	312.15	62,814,042
Not matched	29,297	252.88	7,408,625
Contigs	9,364	440	4,128,465

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
GB71BC403 trimmed	Long	Single	Default
GB71BC402 trimmed	Long	Single	Default

1.4 Quality measurement

N75	357
N50	467
N25	652

1.5 Distribution of read length

Length	Count	Percentage	Cummulative Percentage
100	435	0.2%	0.2%
101	455	0.2%	0.4%
102	424	0.2%	0.6%
103	444	0.2%	0.8%

Length	Count	Percentage	Cummulative Percentage
104	480	0.2%	1.0%
105	477	0.2%	1.2%
106	452	0.2%	1.4%
107	434	0.2%	1.6%
108	444	0.2%	1.8%
109	457	0.2%	2.0%
110	470	0.2%	2.2%
111	415	0.2%	2.3%
112	592	0.3%	2.6%
113	470	0.2%	2.8%
114	497	0.2%	3.0%
115	481	0.2%	3.2%
116	440	0.2%	3.4%
117	463	0.2%	3.6%
118	476	0.2%	3.8%
119	512	0.2%	4.0%
120	464	0.2%	4.2%
121	488	0.2%	4.5%
122	473	0.2%	4.7%
123	452	0.2%	4.9%
124	506	0.2%	5.1%
125	487	0.2%	5.3%
126	453	0.2%	5.5%
127	458	0.2%	5.7%
128	461	0.2%	5.9%
129	430	0.2%	6.1%
130	476	0.2%	6.3%
131	522	0.2%	6.5%
132	529	0.2%	6.7%
133	601	0.3%	7.0%
134	483	0.2%	7.2%
135	491	0.2%	7.4%
136	430	0.2%	7.6%
137	435	0.2%	7.8%
138	431	0.2%	8.0%
139	390	0.2%	8.1%
140	406	0.2%	8.3%

Length	Count	Percentage	Cummulative Percentage
141	408	0.2%	8.5%
142	458	0.2%	8.7%
143	424	0.2%	8.9%
144	464	0.2%	9.1%
145	477	0.2%	9.3%
146	402	0.2%	9.5%
147	420	0.2%	9.6%
148	420	0.2%	9.8%
149	446	0.2%	10.0%
150	415	0.2%	10.2%
151	493	0.2%	10.4%
152	653	0.3%	10.7%
153	403	0.2%	10.9%
154	409	0.2%	11.1%
155	435	0.2%	11.2%
156	396	0.2%	11.4%
157	384	0.2%	11.6%
158	401	0.2%	11.8%
159	383	0.2%	11.9%
160	380	0.2%	12.1%
161	414	0.2%	12.3%
162	387	0.2%	12.4%
163	439	0.2%	12.6%
164	411	0.2%	12.8%
165	440	0.2%	13.0%
166	438	0.2%	13.2%
167	392	0.2%	13.4%
168	391	0.2%	13.5%
169	389	0.2%	13.7%
170	448	0.2%	13.9%
171	438	0.2%	14.1%
172	393	0.2%	14.2%
173	408	0.2%	14.4%
174	460	0.2%	14.6%
175	457	0.2%	14.8%
176	482	0.2%	15.0%
177	454	0.2%	15.2%

Length	Count	Percentage	Cummulative Percentage
178	555	0.2%	15.5%
179	453	0.2%	15.7%
180	470	0.2%	15.9%
181	433	0.2%	16.1%
182	386	0.2%	16.2%
183	461	0.2%	16.4%
184	398	0.2%	16.6%
185	431	0.2%	16.8%
186	413	0.2%	17.0%
187	435	0.2%	17.1%
188	445	0.2%	17.3%
189	471	0.2%	17.5%
190	460	0.2%	17.7%
191	401	0.2%	17.9%
192	426	0.2%	18.1%
193	446	0.2%	18.3%
194	437	0.2%	18.5%
195	414	0.2%	18.7%
196	458	0.2%	18.9%
197	458	0.2%	19.1%
198	502	0.2%	19.3%
199	446	0.2%	19.5%
200	436	0.2%	19.7%
201	457	0.2%	19.9%
202	499	0.2%	20.1%
203	486	0.2%	20.3%
204	492	0.2%	20.5%
205	455	0.2%	20.7%
206	443	0.2%	20.9%
207	454	0.2%	21.1%
208	463	0.2%	21.3%
209	425	0.2%	21.5%
210	467	0.2%	21.7%
211	472	0.2%	21.9%
212	470	0.2%	22.1%
213	501	0.2%	22.3%
214	428	0.2%	22.5%

Length	Count	Percentage	Cummulative Percentage
215	473	0.2%	22.7%
216	486	0.2%	22.9%
217	534	0.2%	23.1%
218	523	0.2%	23.4%
219	524	0.2%	23.6%
220	466	0.2%	23.8%
221	534	0.2%	24.0%
222	433	0.2%	24.2%
223	520	0.2%	24.4%
224	496	0.2%	24.7%
225	519	0.2%	24.9%
226	444	0.2%	25.1%
227	480	0.2%	25.3%
228	473	0.2%	25.5%
229	519	0.2%	25.7%
230	432	0.2%	25.9%
231	463	0.2%	26.1%
232	443	0.2%	26.3%
233	446	0.2%	26.5%
234	478	0.2%	26.7%
235	490	0.2%	26.9%
236	450	0.2%	27.1%
237	451	0.2%	27.3%
238	507	0.2%	27.5%
239	514	0.2%	27.7%
240	464	0.2%	27.9%
241	578	0.3%	28.2%
242	570	0.2%	28.4%
243	553	0.2%	28.7%
244	512	0.2%	28.9%
245	548	0.2%	29.1%
246	551	0.2%	29.4%
247	543	0.2%	29.6%
248	545	0.2%	29.8%
249	532	0.2%	30.1%
250	577	0.3%	30.3%
251	523	0.2%	30.6%

Length	Count	Percentage	Cummulative Percentage
252	539	0.2%	30.8%
253	576	0.2%	31.0%
254	594	0.3%	31.3%
255	546	0.2%	31.5%
256	534	0.2%	31.8%
257	526	0.2%	32.0%
258	538	0.2%	32.2%
259	505	0.2%	32.4%
260	563	0.2%	32.7%
261	583	0.3%	32.9%
262	574	0.2%	33.2%
263	546	0.2%	33.4%
264	623	0.3%	33.7%
265	607	0.3%	34.0%
266	735	0.3%	34.3%
267	645	0.3%	34.6%
268	633	0.3%	34.8%
269	591	0.3%	35.1%
270	491	0.2%	35.3%
271	558	0.2%	35.5%
272	560	0.2%	35.8%
273	564	0.2%	36.0%
274	598	0.3%	36.3%
275	773	0.3%	36.6%
276	597	0.3%	36.9%
277	605	0.3%	37.2%
278	637	0.3%	37.4%
279	647	0.3%	37.7%
280	594	0.3%	38.0%
281	635	0.3%	38.2%
282	683	0.3%	38.5%
283	617	0.3%	38.8%
284	600	0.3%	39.1%
285	636	0.3%	39.3%
286	656	0.3%	39.6%
287	652	0.3%	39.9%
288	630	0.3%	40.2%

Length	Count	Percentage	Cummulative Percentage
289	667	0.3%	40.5%
290	648	0.3%	40.8%
291	681	0.3%	41.0%
292	680	0.3%	41.3%
293	679	0.3%	41.6%
294	756	0.3%	42.0%
295	821	0.4%	42.3%
296	844	0.4%	42.7%
297	781	0.3%	43.0%
298	766	0.3%	43.4%
299	738	0.3%	43.7%
300	702	0.3%	44.0%
301	735	0.3%	44.3%
302	727	0.3%	44.6%
303	769	0.3%	45.0%
304	955	0.4%	45.4%
305	1,141	0.5%	45.9%
306	871	0.4%	46.2%
307	741	0.3%	46.6%
308	740	0.3%	46.9%
309	796	0.3%	47.2%
310	766	0.3%	47.6%
311	746	0.3%	47.9%
312	892	0.4%	48.3%
313	858	0.4%	48.6%
314	912	0.4%	49.0%
315	850	0.4%	49.4%
316	889	0.4%	49.8%
317	887	0.4%	50.2%
318	864	0.4%	50.5%
319	805	0.3%	50.9%
320	742	0.3%	51.2%
321	788	0.3%	51.6%
322	783	0.3%	51.9%
323	789	0.3%	52.2%
324	823	0.4%	52.6%
325	795	0.3%	52.9%

Length	Count	Percentage	Cummulative Percentage
326	810	0.4%	53.3%
327	811	0.4%	53.6%
328	814	0.4%	54.0%
329	792	0.3%	54.3%
330	810	0.4%	54.7%
331	793	0.3%	55.0%
332	821	0.4%	55.4%
333	843	0.4%	55.8%
334	892	0.4%	56.2%
335	900	0.4%	56.5%
336	872	0.4%	56.9%
337	874	0.4%	57.3%
338	901	0.4%	57.7%
339	979	0.4%	58.1%
340	963	0.4%	58.5%
341	930	0.4%	58.9%
342	952	0.4%	59.3%
343	876	0.4%	59.7%
344	923	0.4%	60.1%
345	858	0.4%	60.5%
346	889	0.4%	60.9%
347	875	0.4%	61.3%
348	885	0.4%	61.6%
349	941	0.4%	62.1%
350	879	0.4%	62.4%
351	873	0.4%	62.8%
352	844	0.4%	63.2%
353	795	0.3%	63.5%
354	831	0.4%	63.9%
355	834	0.4%	64.3%
356	918	0.4%	64.6%
357	863	0.4%	65.0%
358	912	0.4%	65.4%
359	869	0.4%	65.8%
360	949	0.4%	66.2%
361	975	0.4%	66.6%
362	959	0.4%	67.0%

Length	Count	Percentage	Cummulative Percentage
363	883	0.4%	67.4%
364	852	0.4%	67.8%
365	920	0.4%	68.2%
366	800	0.3%	68.5%
367	843	0.4%	68.9%
368	839	0.4%	69.3%
369	893	0.4%	69.7%
370	811	0.4%	70.0%
371	810	0.4%	70.4%
372	795	0.3%	70.7%
373	847	0.4%	71.1%
374	874	0.4%	71.5%
375	932	0.4%	71.9%
376	909	0.4%	72.3%
377	930	0.4%	72.7%
378	868	0.4%	73.0%
379	883	0.4%	73.4%
380	913	0.4%	73.8%
381	866	0.4%	74.2%
382	880	0.4%	74.6%
383	898	0.4%	75.0%
384	929	0.4%	75.4%
385	881	0.4%	75.7%
386	906	0.4%	76.1%
387	860	0.4%	76.5%
388	854	0.4%	76.9%
389	878	0.4%	77.3%
390	818	0.4%	77.6%
391	857	0.4%	78.0%
392	788	0.3%	78.3%
393	819	0.4%	78.7%
394	801	0.3%	79.0%
395	810	0.4%	79.4%
396	865	0.4%	79.8%
397	841	0.4%	80.1%
398	826	0.4%	80.5%
399	835	0.4%	80.8%

Length	Count	Percentage	Cummulative Percentage
400	835	0.4%	81.2%
401	815	0.4%	81.6%
402	830	0.4%	81.9%
403	811	0.4%	82.3%
404	728	0.3%	82.6%
405	730	0.3%	82.9%
406	729	0.3%	83.2%
407	722	0.3%	83.5%
408	737	0.3%	83.9%
409	729	0.3%	84.2%
410	717	0.3%	84.5%
411	718	0.3%	84.8%
412	722	0.3%	85.1%
413	708	0.3%	85.4%
414	735	0.3%	85.7%
415	766	0.3%	86.1%
416	750	0.3%	86.4%
417	726	0.3%	86.7%
418	732	0.3%	87.0%
419	783	0.3%	87.4%
420	709	0.3%	87.7%
421	603	0.3%	87.9%
422	586	0.3%	88.2%
423	581	0.3%	88.4%
424	570	0.2%	88.7%
425	607	0.3%	89.0%
426	580	0.3%	89.2%
427	533	0.2%	89.4%
428	539	0.2%	89.7%
429	501	0.2%	89.9%
430	548	0.2%	90.1%
431	497	0.2%	90.3%
432	513	0.2%	90.6%
433	490	0.2%	90.8%
434	479	0.2%	91.0%
435	444	0.2%	91.2%
436	448	0.2%	91.4%

Length	Count	Percentage	Cummulative Percentage
437	381	0.2%	91.5%
438	458	0.2%	91.7%
439	445	0.2%	91.9%
440	419	0.2%	92.1%
441	426	0.2%	92.3%
442	459	0.2%	92.5%
443	432	0.2%	92.7%
444	353	0.2%	92.8%
445	408	0.2%	93.0%
446	421	0.2%	93.2%
447	389	0.2%	93.4%
448	434	0.2%	93.5%
449	366	0.2%	93.7%
450	367	0.2%	93.9%
451	410	0.2%	94.0%
452	342	0.1%	94.2%
453	396	0.2%	94.4%
454	387	0.2%	94.5%
455	365	0.2%	94.7%
456	349	0.2%	94.8%
457	287	0.1%	95.0%
458	311	0.1%	95.1%
459	332	0.1%	95.2%
460	288	0.1%	95.4%
461	280	0.1%	95.5%
462	279	0.1%	95.6%
463	283	0.1%	95.7%
464	283	0.1%	95.9%
465	319	0.1%	96.0%
466	287	0.1%	96.1%
467	273	0.1%	96.2%
468	279	0.1%	96.4%
469	289	0.1%	96.5%
470	258	0.1%	96.6%
471	240	0.1%	96.7%
472	246	0.1%	96.8%
473	228	0.1%	96.9%

Length	Count	Percentage	Cummulative Percentage
474	222	0.1%	97.0%
475	242	0.1%	97.1%
476	246	0.1%	97.2%
477	232	0.1%	97.3%
478	247	0.1%	97.4%
479	189	0.1%	97.5%
480	208	0.1%	97.6%
481	194	0.1%	97.7%
482	213	0.1%	97.8%
483	212	0.1%	97.9%
484	238	0.1%	98.0%
485	197	0.1%	98.1%
486	196	0.1%	98.1%
487	152	0.1%	98.2%
488	193	0.1%	98.3%
489	176	0.1%	98.4%
490	180	0.1%	98.4%
491	172	0.1%	98.5%
492	150	0.1%	98.6%
493	151	0.1%	98.6%
494	139	0.1%	98.7%
495	192	0.1%	98.8%
496	143	0.1%	98.9%
497	127	0.1%	98.9%
498	138	0.1%	99.0%
499	123	0.1%	99.0%
500	125	0.1%	99.1%
501	127	0.1%	99.1%
502	121	0.1%	99.2%
503	115	0.0%	99.2%
504	84	0.0%	99.3%
505	108	0.0%	99.3%
506	81	0.0%	99.3%
507	77	0.0%	99.4%
508	103	0.0%	99.4%
509	87	0.0%	99.5%
510	73	0.0%	99.5%

Length	Count	Percentage	Cummulative Percentage
511	75	0.0%	99.5%
512	56	0.0%	99.6%
513	59	0.0%	99.6%
514	58	0.0%	99.6%
515	72	0.0%	99.6%
516	72	0.0%	99.7%
517	71	0.0%	99.7%
518	55	0.0%	99.7%
519	45	0.0%	99.7%
520	34	0.0%	99.8%
521	32	0.0%	99.8%
522	41	0.0%	99.8%
523	41	0.0%	99.8%
524	29	0.0%	99.8%
525	35	0.0%	99.8%
526	30	0.0%	99.8%
527	37	0.0%	99.9%
528	21	0.0%	99.9%
529	20	0.0%	99.9%
530	24	0.0%	99.9%
531	23	0.0%	99.9%
532	22	0.0%	99.9%
533	22	0.0%	99.9%
534	16	0.0%	99.9%
535	9	0.0%	99.9%
536	10	0.0%	99.9%
537	9	0.0%	99.9%
538	11	0.0%	99.9%
539	15	0.0%	100.0%
540	10	0.0%	100.0%
541	8	0.0%	100.0%
542	8	0.0%	100.0%
543	10	0.0%	100.0%
544	4	0.0%	100.0%
545	5	0.0%	100.0%
546	4	0.0%	100.0%
547	4	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
548	9	0.0%	100.0%
549	2	0.0%	100.0%
550	4	0.0%	100.0%
551	4	0.0%	100.0%
552	1	0.0%	100.0%
553	1	0.0%	100.0%
554	1	0.0%	100.0%
555	2	0.0%	100.0%
556	2	0.0%	100.0%
557	4	0.0%	100.0%
558	5	0.0%	100.0%
559	5	0.0%	100.0%
560	1	0.0%	100.0%
563	2	0.0%	100.0%
564	1	0.0%	100.0%
565	1	0.0%	100.0%
566	4	0.0%	100.0%
567	1	0.0%	100.0%
568	1	0.0%	100.0%
569	1	0.0%	100.0%
570	1	0.0%	100.0%
571	2	0.0%	100.0%
572	1	0.0%	100.0%
581	2	0.0%	100.0%
584	1	0.0%	100.0%
585	1	0.0%	100.0%
592	1	0.0%	100.0%
608	1	0.0%	100.0%

1.6 Distribution of matched read length

Length	Count	Percentage	Cummulative Percentage
100	321	0.2%	0.2%
101	322	0.2%	0.3%
102	322	0.2%	0.5%
103	339	0.2%	0.6%
104	360	0.2%	0.8%

Length	Count	Percentage	Cummulative Percentage
105	354	0.2%	1.0%
106	347	0.2%	1.2%
107	310	0.2%	1.3%
108	327	0.2%	1.5%
109	333	0.2%	1.7%
110	346	0.2%	1.8%
111	314	0.2%	2.0%
112	465	0.2%	2.2%
113	357	0.2%	2.4%
114	386	0.2%	2.6%
115	364	0.2%	2.8%
116	334	0.2%	2.9%
117	339	0.2%	3.1%
118	339	0.2%	3.3%
119	380	0.2%	3.5%
120	341	0.2%	3.6%
121	363	0.2%	3.8%
122	357	0.2%	4.0%
123	340	0.2%	4.2%
124	379	0.2%	4.3%
125	358	0.2%	4.5%
126	326	0.2%	4.7%
127	339	0.2%	4.9%
128	361	0.2%	5.0%
129	329	0.2%	5.2%
130	359	0.2%	5.4%
131	359	0.2%	5.6%
132	378	0.2%	5.7%
133	488	0.2%	6.0%
134	393	0.2%	6.2%
135	392	0.2%	6.4%
136	328	0.2%	6.5%
137	317	0.2%	6.7%
138	332	0.2%	6.9%
139	291	0.1%	7.0%
140	307	0.2%	7.2%
141	324	0.2%	7.3%

Length	Count	Percentage	Cummulative Percentage
142	358	0.2%	7.5%
143	329	0.2%	7.7%
144	343	0.2%	7.8%
145	385	0.2%	8.0%
146	312	0.2%	8.2%
147	328	0.2%	8.3%
148	315	0.2%	8.5%
149	333	0.2%	8.7%
150	323	0.2%	8.8%
151	377	0.2%	9.0%
152	359	0.2%	9.2%
153	285	0.1%	9.3%
154	312	0.2%	9.5%
155	336	0.2%	9.6%
156	307	0.2%	9.8%
157	272	0.1%	9.9%
158	317	0.2%	10.1%
159	294	0.1%	10.2%
160	298	0.1%	10.4%
161	306	0.2%	10.5%
162	285	0.1%	10.7%
163	308	0.2%	10.8%
164	316	0.2%	11.0%
165	346	0.2%	11.2%
166	334	0.2%	11.3%
167	306	0.2%	11.5%
168	300	0.1%	11.6%
169	302	0.2%	11.8%
170	311	0.2%	11.9%
171	341	0.2%	12.1%
172	304	0.2%	12.3%
173	308	0.2%	12.4%
174	345	0.2%	12.6%
175	363	0.2%	12.8%
176	362	0.2%	12.9%
177	336	0.2%	13.1%
178	450	0.2%	13.3%

Length	Count	Percentage	Cummulative Percentage
179	319	0.2%	13.5%
180	315	0.2%	13.6%
181	342	0.2%	13.8%
182	286	0.1%	14.0%
183	346	0.2%	14.1%
184	287	0.1%	14.3%
185	347	0.2%	14.4%
186	305	0.2%	14.6%
187	328	0.2%	14.8%
188	328	0.2%	14.9%
189	320	0.2%	15.1%
190	346	0.2%	15.3%
191	307	0.2%	15.4%
192	312	0.2%	15.6%
193	318	0.2%	15.7%
194	335	0.2%	15.9%
195	308	0.2%	16.0%
196	349	0.2%	16.2%
197	360	0.2%	16.4%
198	351	0.2%	16.6%
199	337	0.2%	16.7%
200	346	0.2%	16.9%
201	366	0.2%	17.1%
202	410	0.2%	17.3%
203	399	0.2%	17.5%
204	379	0.2%	17.7%
205	382	0.2%	17.9%
206	356	0.2%	18.0%
207	375	0.2%	18.2%
208	375	0.2%	18.4%
209	336	0.2%	18.6%
210	374	0.2%	18.8%
211	380	0.2%	19.0%
212	397	0.2%	19.2%
213	399	0.2%	19.4%
214	340	0.2%	19.5%
215	387	0.2%	19.7%

Length	Count	Percentage	Cummulative Percentage
216	395	0.2%	19.9%
217	418	0.2%	20.1%
218	403	0.2%	20.3%
219	402	0.2%	20.5%
220	376	0.2%	20.7%
221	430	0.2%	20.9%
222	338	0.2%	21.1%
223	415	0.2%	21.3%
224	365	0.2%	21.5%
225	391	0.2%	21.7%
226	345	0.2%	21.8%
227	376	0.2%	22.0%
228	398	0.2%	22.2%
229	413	0.2%	22.4%
230	347	0.2%	22.6%
231	385	0.2%	22.8%
232	364	0.2%	23.0%
233	375	0.2%	23.2%
234	396	0.2%	23.4%
235	395	0.2%	23.6%
236	380	0.2%	23.7%
237	382	0.2%	23.9%
238	441	0.2%	24.2%
239	439	0.2%	24.4%
240	390	0.2%	24.6%
241	499	0.2%	24.8%
242	504	0.3%	25.1%
243	481	0.2%	25.3%
244	425	0.2%	25.5%
245	463	0.2%	25.7%
246	471	0.2%	26.0%
247	454	0.2%	26.2%
248	451	0.2%	26.4%
249	456	0.2%	26.7%
250	477	0.2%	26.9%
251	432	0.2%	27.1%
252	446	0.2%	27.3%

Length	Count	Percentage	Cummulative Percentage
253	492	0.2%	27.6%
254	517	0.3%	27.8%
255	457	0.2%	28.1%
256	445	0.2%	28.3%
257	441	0.2%	28.5%
258	451	0.2%	28.7%
259	423	0.2%	28.9%
260	475	0.2%	29.2%
261	504	0.3%	29.4%
262	495	0.2%	29.7%
263	468	0.2%	29.9%
264	545	0.3%	30.2%
265	507	0.3%	30.4%
266	642	0.3%	30.7%
267	551	0.3%	31.0%
268	539	0.3%	31.3%
269	510	0.3%	31.5%
270	426	0.2%	31.7%
271	479	0.2%	32.0%
272	487	0.2%	32.2%
273	497	0.2%	32.5%
274	510	0.3%	32.7%
275	681	0.3%	33.1%
276	499	0.2%	33.3%
277	535	0.3%	33.6%
278	556	0.3%	33.9%
279	558	0.3%	34.1%
280	523	0.3%	34.4%
281	564	0.3%	34.7%
282	617	0.3%	35.0%
283	563	0.3%	35.3%
284	525	0.3%	35.5%
285	560	0.3%	35.8%
286	587	0.3%	36.1%
287	575	0.3%	36.4%
288	552	0.3%	36.6%
289	585	0.3%	36.9%

Length	Count	Percentage	Cummulative Percentage
290	574	0.3%	37.2%
291	602	0.3%	37.5%
292	600	0.3%	37.8%
293	599	0.3%	38.1%
294	662	0.3%	38.4%
295	753	0.4%	38.8%
296	759	0.4%	39.2%
297	704	0.3%	39.5%
298	692	0.3%	39.9%
299	671	0.3%	40.2%
300	634	0.3%	40.5%
301	668	0.3%	40.9%
302	664	0.3%	41.2%
303	713	0.4%	41.6%
304	893	0.4%	42.0%
305	1,071	0.5%	42.5%
306	802	0.4%	42.9%
307	672	0.3%	43.3%
308	665	0.3%	43.6%
309	735	0.4%	44.0%
310	704	0.3%	44.3%
311	678	0.3%	44.6%
312	816	0.4%	45.1%
313	771	0.4%	45.4%
314	827	0.4%	45.8%
315	782	0.4%	46.2%
316	830	0.4%	46.6%
317	827	0.4%	47.1%
318	795	0.4%	47.5%
319	738	0.4%	47.8%
320	679	0.3%	48.2%
321	719	0.4%	48.5%
322	715	0.4%	48.9%
323	711	0.4%	49.2%
324	756	0.4%	49.6%
325	736	0.4%	50.0%
326	742	0.4%	50.3%

Length	Count	Percentage	Cummulative Percentage
327	753	0.4%	50.7%
328	729	0.4%	51.1%
329	712	0.4%	51.4%
330	751	0.4%	51.8%
331	721	0.4%	52.2%
332	752	0.4%	52.5%
333	776	0.4%	52.9%
334	816	0.4%	53.3%
335	846	0.4%	53.7%
336	788	0.4%	54.1%
337	804	0.4%	54.5%
338	845	0.4%	55.0%
339	911	0.5%	55.4%
340	898	0.4%	55.9%
341	874	0.4%	56.3%
342	889	0.4%	56.7%
343	811	0.4%	57.1%
344	854	0.4%	57.6%
345	788	0.4%	57.9%
346	829	0.4%	58.4%
347	804	0.4%	58.8%
348	820	0.4%	59.2%
349	883	0.4%	59.6%
350	828	0.4%	60.0%
351	805	0.4%	60.4%
352	792	0.4%	60.8%
353	730	0.4%	61.2%
354	774	0.4%	61.6%
355	778	0.4%	61.9%
356	854	0.4%	62.4%
357	810	0.4%	62.8%
358	848	0.4%	63.2%
359	824	0.4%	63.6%
360	901	0.4%	64.1%
361	922	0.5%	64.5%
362	892	0.4%	65.0%
363	826	0.4%	65.4%

Length	Count	Percentage	Cummulative Percentage
364	789	0.4%	65.8%
365	858	0.4%	66.2%
366	741	0.4%	66.5%
367	781	0.4%	66.9%
368	777	0.4%	67.3%
369	829	0.4%	67.7%
370	738	0.4%	68.1%
371	762	0.4%	68.5%
372	759	0.4%	68.9%
373	804	0.4%	69.3%
374	808	0.4%	69.7%
375	888	0.4%	70.1%
376	859	0.4%	70.5%
377	869	0.4%	71.0%
378	794	0.4%	71.4%
379	806	0.4%	71.8%
380	836	0.4%	72.2%
381	813	0.4%	72.6%
382	822	0.4%	73.0%
383	846	0.4%	73.4%
384	863	0.4%	73.8%
385	824	0.4%	74.2%
386	830	0.4%	74.7%
387	794	0.4%	75.0%
388	782	0.4%	75.4%
389	819	0.4%	75.8%
390	757	0.4%	76.2%
391	783	0.4%	76.6%
392	732	0.4%	77.0%
393	748	0.4%	77.3%
394	746	0.4%	77.7%
395	752	0.4%	78.1%
396	803	0.4%	78.5%
397	790	0.4%	78.9%
398	766	0.4%	79.3%
399	774	0.4%	79.6%
400	792	0.4%	80.0%

Length	Count	Percentage	Cummulative Percentage
401	769	0.4%	80.4%
402	787	0.4%	80.8%
403	761	0.4%	81.2%
404	676	0.3%	81.5%
405	679	0.3%	81.9%
406	680	0.3%	82.2%
407	674	0.3%	82.5%
408	695	0.3%	82.9%
409	668	0.3%	83.2%
410	683	0.3%	83.6%
411	674	0.3%	83.9%
412	676	0.3%	84.2%
413	662	0.3%	84.6%
414	692	0.3%	84.9%
415	720	0.4%	85.3%
416	703	0.3%	85.6%
417	682	0.3%	85.9%
418	690	0.3%	86.3%
419	732	0.4%	86.7%
420	655	0.3%	87.0%
421	560	0.3%	87.3%
422	542	0.3%	87.5%
423	543	0.3%	87.8%
424	530	0.3%	88.1%
425	568	0.3%	88.3%
426	532	0.3%	88.6%
427	501	0.2%	88.9%
428	495	0.2%	89.1%
429	463	0.2%	89.3%
430	510	0.3%	89.6%
431	470	0.2%	89.8%
432	478	0.2%	90.1%
433	456	0.2%	90.3%
434	443	0.2%	90.5%
435	397	0.2%	90.7%
436	423	0.2%	90.9%
437	345	0.2%	91.1%

Length	Count	Percentage	Cummulative Percentage
438	424	0.2%	91.3%
439	422	0.2%	91.5%
440	384	0.2%	91.7%
441	387	0.2%	91.9%
442	434	0.2%	92.1%
443	398	0.2%	92.3%
444	330	0.2%	92.5%
445	382	0.2%	92.6%
446	385	0.2%	92.8%
447	365	0.2%	93.0%
448	394	0.2%	93.2%
449	337	0.2%	93.4%
450	340	0.2%	93.6%
451	384	0.2%	93.7%
452	316	0.2%	93.9%
453	366	0.2%	94.1%
454	347	0.2%	94.3%
455	338	0.2%	94.4%
456	325	0.2%	94.6%
457	266	0.1%	94.7%
458	279	0.1%	94.9%
459	309	0.2%	95.0%
460	260	0.1%	95.1%
461	251	0.1%	95.3%
462	262	0.1%	95.4%
463	265	0.1%	95.5%
464	266	0.1%	95.7%
465	289	0.1%	95.8%
466	260	0.1%	95.9%
467	255	0.1%	96.1%
468	261	0.1%	96.2%
469	260	0.1%	96.3%
470	239	0.1%	96.4%
471	222	0.1%	96.5%
472	226	0.1%	96.7%
473	211	0.1%	96.8%
474	210	0.1%	96.9%

Length	Count	Percentage	Cummulative Percentage
475	223	0.1%	97.0%
476	226	0.1%	97.1%
477	212	0.1%	97.2%
478	225	0.1%	97.3%
479	171	0.1%	97.4%
480	184	0.1%	97.5%
481	177	0.1%	97.6%
482	194	0.1%	97.7%
483	193	0.1%	97.8%
484	220	0.1%	97.9%
485	179	0.1%	98.0%
486	184	0.1%	98.1%
487	141	0.1%	98.1%
488	171	0.1%	98.2%
489	162	0.1%	98.3%
490	163	0.1%	98.4%
491	159	0.1%	98.5%
492	137	0.1%	98.5%
493	135	0.1%	98.6%
494	129	0.1%	98.6%
495	176	0.1%	98.7%
496	136	0.1%	98.8%
497	117	0.1%	98.9%
498	129	0.1%	98.9%
499	118	0.1%	99.0%
500	116	0.1%	99.0%
501	117	0.1%	99.1%
502	107	0.1%	99.2%
503	102	0.1%	99.2%
504	78	0.0%	99.2%
505	94	0.0%	99.3%
506	71	0.0%	99.3%
507	72	0.0%	99.4%
508	97	0.0%	99.4%
509	79	0.0%	99.4%
510	67	0.0%	99.5%
511	64	0.0%	99.5%

Length	Count	Percentage	Cummulative Percentage
512	52	0.0%	99.5%
513	52	0.0%	99.6%
514	53	0.0%	99.6%
515	67	0.0%	99.6%
516	68	0.0%	99.7%
517	65	0.0%	99.7%
518	51	0.0%	99.7%
519	43	0.0%	99.7%
520	31	0.0%	99.8%
521	30	0.0%	99.8%
522	37	0.0%	99.8%
523	38	0.0%	99.8%
524	24	0.0%	99.8%
525	26	0.0%	99.8%
526	28	0.0%	99.8%
527	33	0.0%	99.9%
528	19	0.0%	99.9%
529	20	0.0%	99.9%
530	21	0.0%	99.9%
531	19	0.0%	99.9%
532	20	0.0%	99.9%
533	22	0.0%	99.9%
534	14	0.0%	99.9%
535	8	0.0%	99.9%
536	8	0.0%	99.9%
537	8	0.0%	99.9%
538	10	0.0%	99.9%
539	13	0.0%	100.0%
540	9	0.0%	100.0%
541	6	0.0%	100.0%
542	6	0.0%	100.0%
543	8	0.0%	100.0%
544	4	0.0%	100.0%
545	5	0.0%	100.0%
546	4	0.0%	100.0%
547	4	0.0%	100.0%
548	8	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
549	2	0.0%	100.0%
550	4	0.0%	100.0%
551	3	0.0%	100.0%
552	1	0.0%	100.0%
553	1	0.0%	100.0%
554	1	0.0%	100.0%
555	2	0.0%	100.0%
556	2	0.0%	100.0%
557	4	0.0%	100.0%
558	5	0.0%	100.0%
559	3	0.0%	100.0%
563	1	0.0%	100.0%
565	1	0.0%	100.0%
566	4	0.0%	100.0%
567	1	0.0%	100.0%
568	1	0.0%	100.0%
569	1	0.0%	100.0%
570	1	0.0%	100.0%
571	1	0.0%	100.0%
572	1	0.0%	100.0%
581	2	0.0%	100.0%
584	1	0.0%	100.0%
592	1	0.0%	100.0%

1.7 Distribution of non-matched read length

Length	Count	Percentage	Cummulative Percentage
100	114	0.4%	0.4%
101	133	0.5%	0.8%
102	102	0.3%	1.2%
103	105	0.4%	1.5%
104	120	0.4%	2.0%
105	123	0.4%	2.4%
106	105	0.4%	2.7%
107	124	0.4%	3.2%
108	117	0.4%	3.6%
109	124	0.4%	4.0%

Length	Count	Percentage	Cummulative Percentage
110	124	0.4%	4.4%
111	101	0.3%	4.8%
112	127	0.4%	5.2%
113	113	0.4%	5.6%
114	111	0.4%	5.9%
115	117	0.4%	6.3%
116	106	0.4%	6.7%
117	124	0.4%	7.1%
118	137	0.5%	7.6%
119	132	0.5%	8.1%
120	123	0.4%	8.5%
121	125	0.4%	8.9%
122	116	0.4%	9.3%
123	112	0.4%	9.7%
124	127	0.4%	10.1%
125	129	0.4%	10.6%
126	127	0.4%	11.0%
127	119	0.4%	11.4%
128	100	0.3%	11.7%
129	101	0.3%	12.1%
130	117	0.4%	12.5%
131	163	0.6%	13.0%
132	151	0.5%	13.5%
133	113	0.4%	13.9%
134	90	0.3%	14.2%
135	99	0.3%	14.6%
136	102	0.3%	14.9%
137	118	0.4%	15.3%
138	99	0.3%	15.7%
139	99	0.3%	16.0%
140	99	0.3%	16.3%
141	84	0.3%	16.6%
142	100	0.3%	17.0%
143	95	0.3%	17.3%
144	121	0.4%	17.7%
145	92	0.3%	18.0%
146	90	0.3%	18.3%

Length	Count	Percentage	Cummulative Percentage
147	92	0.3%	18.6%
148	105	0.4%	19.0%
149	113	0.4%	19.4%
150	92	0.3%	19.7%
151	116	0.4%	20.1%
152	294	1.0%	21.1%
153	118	0.4%	21.5%
154	97	0.3%	21.8%
155	99	0.3%	22.2%
156	89	0.3%	22.5%
157	112	0.4%	22.9%
158	84	0.3%	23.1%
159	89	0.3%	23.4%
160	82	0.3%	23.7%
161	108	0.4%	24.1%
162	102	0.3%	24.4%
163	131	0.4%	24.9%
164	95	0.3%	25.2%
165	94	0.3%	25.5%
166	104	0.4%	25.9%
167	86	0.3%	26.2%
168	91	0.3%	26.5%
169	87	0.3%	26.8%
170	137	0.5%	27.3%
171	97	0.3%	27.6%
172	89	0.3%	27.9%
173	100	0.3%	28.2%
174	115	0.4%	28.6%
175	94	0.3%	29.0%
176	120	0.4%	29.4%
177	118	0.4%	29.8%
178	105	0.4%	30.1%
179	134	0.5%	30.6%
180	155	0.5%	31.1%
181	91	0.3%	31.4%
182	100	0.3%	31.8%
183	115	0.4%	32.2%

Length	Count	Percentage	Cummulative Percentage
184	111	0.4%	32.5%
185	84	0.3%	32.8%
186	108	0.4%	33.2%
187	107	0.4%	33.6%
188	117	0.4%	34.0%
189	151	0.5%	34.5%
190	114	0.4%	34.9%
191	94	0.3%	35.2%
192	114	0.4%	35.6%
193	128	0.4%	36.0%
194	102	0.3%	36.4%
195	106	0.4%	36.7%
196	109	0.4%	37.1%
197	98	0.3%	37.4%
198	151	0.5%	37.9%
199	109	0.4%	38.3%
200	90	0.3%	38.6%
201	91	0.3%	38.9%
202	89	0.3%	39.2%
203	87	0.3%	39.5%
204	113	0.4%	39.9%
205	73	0.2%	40.2%
206	87	0.3%	40.5%
207	79	0.3%	40.7%
208	88	0.3%	41.0%
209	89	0.3%	41.3%
210	93	0.3%	41.6%
211	92	0.3%	42.0%
212	73	0.2%	42.2%
213	102	0.3%	42.6%
214	88	0.3%	42.9%
215	86	0.3%	43.2%
216	91	0.3%	43.5%
217	116	0.4%	43.9%
218	120	0.4%	44.3%
219	122	0.4%	44.7%
220	90	0.3%	45.0%

Length	Count	Percentage	Cummulative Percentage
221	104	0.4%	45.3%
222	95	0.3%	45.7%
223	105	0.4%	46.0%
224	131	0.4%	46.5%
225	128	0.4%	46.9%
226	99	0.3%	47.3%
227	104	0.4%	47.6%
228	75	0.3%	47.9%
229	106	0.4%	48.2%
230	85	0.3%	48.5%
231	78	0.3%	48.8%
232	79	0.3%	49.1%
233	71	0.2%	49.3%
234	82	0.3%	49.6%
235	95	0.3%	49.9%
236	70	0.2%	50.1%
237	69	0.2%	50.4%
238	66	0.2%	50.6%
239	75	0.3%	50.9%
240	74	0.3%	51.1%
241	79	0.3%	51.4%
242	66	0.2%	51.6%
243	72	0.2%	51.8%
244	87	0.3%	52.1%
245	85	0.3%	52.4%
246	80	0.3%	52.7%
247	89	0.3%	53.0%
248	94	0.3%	53.3%
249	76	0.3%	53.6%
250	100	0.3%	53.9%
251	91	0.3%	54.2%
252	93	0.3%	54.6%
253	84	0.3%	54.8%
254	77	0.3%	55.1%
255	89	0.3%	55.4%
256	89	0.3%	55.7%
257	85	0.3%	56.0%

Length	Count	Percentage	Cummulative Percentage
258	87	0.3%	56.3%
259	82	0.3%	56.6%
260	88	0.3%	56.9%
261	79	0.3%	57.2%
262	79	0.3%	57.4%
263	78	0.3%	57.7%
264	78	0.3%	58.0%
265	100	0.3%	58.3%
266	93	0.3%	58.6%
267	94	0.3%	58.9%
268	94	0.3%	59.3%
269	81	0.3%	59.5%
270	65	0.2%	59.8%
271	79	0.3%	60.0%
272	73	0.2%	60.3%
273	67	0.2%	60.5%
274	88	0.3%	60.8%
275	92	0.3%	61.1%
276	98	0.3%	61.5%
277	70	0.2%	61.7%
278	81	0.3%	62.0%
279	89	0.3%	62.3%
280	71	0.2%	62.5%
281	71	0.2%	62.8%
282	66	0.2%	63.0%
283	54	0.2%	63.2%
284	75	0.3%	63.4%
285	76	0.3%	63.7%
286	69	0.2%	63.9%
287	77	0.3%	64.2%
288	78	0.3%	64.4%
289	82	0.3%	64.7%
290	74	0.3%	65.0%
291	79	0.3%	65.2%
292	80	0.3%	65.5%
293	80	0.3%	65.8%
294	94	0.3%	66.1%

Length	Count	Percentage	Cummulative Percentage
295	68	0.2%	66.3%
296	85	0.3%	66.6%
297	77	0.3%	66.9%
298	74	0.3%	67.2%
299	67	0.2%	67.4%
300	68	0.2%	67.6%
301	67	0.2%	67.8%
302	63	0.2%	68.1%
303	56	0.2%	68.2%
304	62	0.2%	68.5%
305	70	0.2%	68.7%
306	69	0.2%	68.9%
307	69	0.2%	69.2%
308	75	0.3%	69.4%
309	61	0.2%	69.6%
310	62	0.2%	69.8%
311	68	0.2%	70.1%
312	76	0.3%	70.3%
313	87	0.3%	70.6%
314	85	0.3%	70.9%
315	68	0.2%	71.2%
316	59	0.2%	71.4%
317	60	0.2%	71.6%
318	69	0.2%	71.8%
319	67	0.2%	72.0%
320	63	0.2%	72.2%
321	69	0.2%	72.5%
322	68	0.2%	72.7%
323	78	0.3%	73.0%
324	67	0.2%	73.2%
325	59	0.2%	73.4%
326	68	0.2%	73.6%
327	58	0.2%	73.8%
328	85	0.3%	74.1%
329	80	0.3%	74.4%
330	59	0.2%	74.6%
331	72	0.2%	74.8%

Length	Count	Percentage	Cummulative Percentage
332	69	0.2%	75.1%
333	67	0.2%	75.3%
334	76	0.3%	75.6%
335	54	0.2%	75.8%
336	84	0.3%	76.0%
337	70	0.2%	76.3%
338	56	0.2%	76.5%
339	68	0.2%	76.7%
340	65	0.2%	76.9%
341	56	0.2%	77.1%
342	63	0.2%	77.3%
343	65	0.2%	77.6%
344	69	0.2%	77.8%
345	70	0.2%	78.0%
346	60	0.2%	78.2%
347	71	0.2%	78.5%
348	65	0.2%	78.7%
349	58	0.2%	78.9%
350	51	0.2%	79.1%
351	68	0.2%	79.3%
352	52	0.2%	79.5%
353	65	0.2%	79.7%
354	57	0.2%	79.9%
355	56	0.2%	80.1%
356	64	0.2%	80.3%
357	53	0.2%	80.5%
358	64	0.2%	80.7%
359	45	0.2%	80.9%
360	48	0.2%	81.0%
361	53	0.2%	81.2%
362	67	0.2%	81.4%
363	57	0.2%	81.6%
364	63	0.2%	81.8%
365	62	0.2%	82.1%
366	59	0.2%	82.3%
367	62	0.2%	82.5%
368	62	0.2%	82.7%

Length	Count	Percentage	Cummulative Percentage
369	64	0.2%	82.9%
370	73	0.2%	83.1%
371	48	0.2%	83.3%
372	36	0.1%	83.4%
373	43	0.1%	83.6%
374	66	0.2%	83.8%
375	44	0.2%	84.0%
376	50	0.2%	84.1%
377	61	0.2%	84.3%
378	74	0.3%	84.6%
379	77	0.3%	84.8%
380	77	0.3%	85.1%
381	53	0.2%	85.3%
382	58	0.2%	85.5%
383	52	0.2%	85.7%
384	66	0.2%	85.9%
385	57	0.2%	86.1%
386	76	0.3%	86.3%
387	66	0.2%	86.6%
388	72	0.2%	86.8%
389	59	0.2%	87.0%
390	61	0.2%	87.2%
391	74	0.3%	87.5%
392	56	0.2%	87.7%
393	71	0.2%	87.9%
394	55	0.2%	88.1%
395	58	0.2%	88.3%
396	62	0.2%	88.5%
397	51	0.2%	88.7%
398	60	0.2%	88.9%
399	61	0.2%	89.1%
400	43	0.1%	89.2%
401	46	0.2%	89.4%
402	43	0.1%	89.5%
403	50	0.2%	89.7%
404	52	0.2%	89.9%
405	51	0.2%	90.1%

Length	Count	Percentage	Cummulative Percentage
406	49	0.2%	90.2%
407	48	0.2%	90.4%
408	42	0.1%	90.5%
409	61	0.2%	90.8%
410	34	0.1%	90.9%
411	44	0.2%	91.0%
412	46	0.2%	91.2%
413	46	0.2%	91.3%
414	43	0.1%	91.5%
415	46	0.2%	91.6%
416	47	0.2%	91.8%
417	44	0.2%	91.9%
418	42	0.1%	92.1%
419	51	0.2%	92.3%
420	54	0.2%	92.4%
421	43	0.1%	92.6%
422	44	0.2%	92.7%
423	38	0.1%	92.9%
424	40	0.1%	93.0%
425	39	0.1%	93.1%
426	48	0.2%	93.3%
427	32	0.1%	93.4%
428	44	0.2%	93.6%
429	38	0.1%	93.7%
430	38	0.1%	93.8%
431	27	0.1%	93.9%
432	35	0.1%	94.0%
433	34	0.1%	94.2%
434	36	0.1%	94.3%
435	47	0.2%	94.4%
436	25	0.1%	94.5%
437	36	0.1%	94.6%
438	34	0.1%	94.8%
439	23	0.1%	94.8%
440	35	0.1%	95.0%
441	39	0.1%	95.1%
442	25	0.1%	95.2%

Length	Count	Percentage	Cummulative Percentage
443	34	0.1%	95.3%
444	23	0.1%	95.4%
445	26	0.1%	95.5%
446	36	0.1%	95.6%
447	24	0.1%	95.7%
448	40	0.1%	95.8%
449	29	0.1%	95.9%
450	27	0.1%	96.0%
451	26	0.1%	96.1%
452	26	0.1%	96.2%
453	30	0.1%	96.3%
454	40	0.1%	96.4%
455	27	0.1%	96.5%
456	24	0.1%	96.6%
457	21	0.1%	96.7%
458	32	0.1%	96.8%
459	23	0.1%	96.8%
460	28	0.1%	96.9%
461	29	0.1%	97.0%
462	17	0.1%	97.1%
463	18	0.1%	97.2%
464	17	0.1%	97.2%
465	30	0.1%	97.3%
466	27	0.1%	97.4%
467	18	0.1%	97.5%
468	18	0.1%	97.5%
469	29	0.1%	97.6%
470	19	0.1%	97.7%
471	18	0.1%	97.8%
472	20	0.1%	97.8%
473	17	0.1%	97.9%
474	12	0.0%	97.9%
475	19	0.1%	98.0%
476	20	0.1%	98.1%
477	20	0.1%	98.1%
478	22	0.1%	98.2%
479	18	0.1%	98.3%

Length	Count	Percentage	Cummulative Percentage
480	24	0.1%	98.3%
481	17	0.1%	98.4%
482	19	0.1%	98.5%
483	19	0.1%	98.5%
484	18	0.1%	98.6%
485	18	0.1%	98.7%
486	12	0.0%	98.7%
487	11	0.0%	98.7%
488	22	0.1%	98.8%
489	14	0.0%	98.9%
490	17	0.1%	98.9%
491	13	0.0%	99.0%
492	13	0.0%	99.0%
493	16	0.1%	99.1%
494	10	0.0%	99.1%
495	16	0.1%	99.2%
496	7	0.0%	99.2%
497	10	0.0%	99.2%
498	9	0.0%	99.2%
499	5	0.0%	99.3%
500	9	0.0%	99.3%
501	10	0.0%	99.3%
502	14	0.0%	99.4%
503	13	0.0%	99.4%
504	6	0.0%	99.4%
505	14	0.0%	99.5%
506	10	0.0%	99.5%
507	5	0.0%	99.5%
508	6	0.0%	99.6%
509	8	0.0%	99.6%
510	6	0.0%	99.6%
511	11	0.0%	99.6%
512	4	0.0%	99.7%
513	7	0.0%	99.7%
514	5	0.0%	99.7%
515	5	0.0%	99.7%
516	4	0.0%	99.7%

Length	Count	Percentage	Cummulative Percentage
517	6	0.0%	99.7%
518	4	0.0%	99.8%
519	2	0.0%	99.8%
520	3	0.0%	99.8%
521	2	0.0%	99.8%
522	4	0.0%	99.8%
523	3	0.0%	99.8%
524	5	0.0%	99.8%
525	9	0.0%	99.9%
526	2	0.0%	99.9%
527	4	0.0%	99.9%
528	2	0.0%	99.9%
530	3	0.0%	99.9%
531	4	0.0%	99.9%
532	2	0.0%	99.9%
534	2	0.0%	99.9%
535	1	0.0%	99.9%
536	2	0.0%	99.9%
537	1	0.0%	99.9%
538	1	0.0%	99.9%
539	2	0.0%	99.9%
540	1	0.0%	99.9%
541	2	0.0%	100.0%
542	2	0.0%	100.0%
543	2	0.0%	100.0%
548	1	0.0%	100.0%
551	1	0.0%	100.0%
559	2	0.0%	100.0%
560	1	0.0%	100.0%
563	1	0.0%	100.0%
564	1	0.0%	100.0%
571	1	0.0%	100.0%
585	1	0.0%	100.0%
608	1	0.0%	100.0%