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1. Summary mapping report

1.1 Summary statistics

	Count	Average length	Total bases
Reads	327,104,527	43.7	14,295,031,131
Matched	117,059,876	48.65	5,695,508,691
Not matched	210,044,651	40.94	8,599,522,440
Contigs	153,192	377	57,807,630
Paired reads	38,588	204.45	
Broken paired reads	6,674,034	61.7	

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
SRR058508 (454) (unpaired)	Long	Single	Default
filtered_1000ppm_ACTTGA_L002_R1 trimmed	Short	Single	Default
filtered_400ppm_CAGATC_L001_R1 trimmed	Short	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

Reads	Length	Type	Parameters
SRR280910_1 (paired) trimmed	Long	Single	Default
SRR280912 trimmed	Long	Single	Default
SRR280913 trimmed	Long	Single	Default
SRR280914 trimmed	Long	Single	Default
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	281
N50	431
N25	582

1.5 Distribution of read length

Length	Count	Percentage	Cummulative Percentage
25	453,282	0.1%	0.1%
26	541,672	0.2%	0.3%
27	672,416	0.2%	0.5%
28	619,160	0.2%	0.7%

Length	Count	Percentage	Cummulative Percentage
29	750,707	0.2%	0.9%
30	825,250	0.3%	1.2%
31	1,052,046	0.3%	1.5%
32	1,252,615	0.4%	1.9%
33	1,685,501	0.5%	2.4%
34	3,881,568	1.2%	3.6%
35	2,047,728	0.6%	4.2%
36	234,865,839	71.8%	76.0%
37	519,430	0.2%	76.2%
38	619,434	0.2%	76.4%
39	794,810	0.2%	76.6%
40	821,105	0.3%	76.9%
41	584,145	0.2%	77.0%
42	419,119	0.1%	77.2%
43	325,937	0.1%	77.3%
44	324,402	0.1%	77.4%
45	402,826	0.1%	77.5%
46	259,802	0.1%	77.6%
47	227,965	0.1%	77.6%
48	248,175	0.1%	77.7%
49	351,828	0.1%	77.8%
50	459,743	0.1%	78.0%
51	289,745	0.1%	78.0%
52	329,368	0.1%	78.1%
53	343,145	0.1%	78.3%
54	410,285	0.1%	78.4%
55	511,957	0.2%	78.5%
56	338,676	0.1%	78.6%
57	436,418	0.1%	78.8%
58	467,940	0.1%	78.9%
59	673,602	0.2%	79.1%
60	606,514	0.2%	79.3%
61	594,045	0.2%	79.5%
62	617,719	0.2%	79.7%
63	1,241,816	0.4%	80.1%
64	1,213,274	0.4%	80.4%
65	1,429,215	0.4%	80.9%

Length	Count	Percentage	Cummulative Percentage
66	2,967,205	0.9%	81.8%
67	1,468,275	0.4%	82.2%
68	1,319,184	0.4%	82.6%
69	18,812,635	5.8%	88.4%
70	2,243,433	0.7%	89.1%
71	35,325,854	10.8%	99.9%
100	58	0.0%	99.9%
101	52	0.0%	99.9%
102	49	0.0%	99.9%
103	43	0.0%	99.9%
104	57	0.0%	99.9%
105	40	0.0%	99.9%
106	54	0.0%	99.9%
107	64	0.0%	99.9%
108	58	0.0%	99.9%
109	51	0.0%	99.9%
110	60	0.0%	99.9%
111	61	0.0%	99.9%
112	47	0.0%	99.9%
113	56	0.0%	99.9%
114	66	0.0%	99.9%
115	48	0.0%	99.9%
116	54	0.0%	99.9%
117	70	0.0%	99.9%
118	69	0.0%	99.9%
119	109	0.0%	99.9%
120	123	0.0%	99.9%
121	63	0.0%	99.9%
122	50	0.0%	99.9%
123	59	0.0%	99.9%
124	75	0.0%	99.9%
125	79	0.0%	99.9%
126	56	0.0%	99.9%
127	65	0.0%	99.9%
128	59	0.0%	99.9%
129	61	0.0%	99.9%
130	48	0.0%	99.9%

Length	Count	Percentage	Cummulative Percentage
131	57	0.0%	99.9%
132	62	0.0%	99.9%
133	55	0.0%	99.9%
134	51	0.0%	99.9%
135	61	0.0%	99.9%
136	74	0.0%	99.9%
137	92	0.0%	99.9%
138	75	0.0%	99.9%
139	85	0.0%	99.9%
140	94	0.0%	99.9%
141	67	0.0%	99.9%
142	61	0.0%	99.9%
143	56	0.0%	99.9%
144	90	0.0%	99.9%
145	111	0.0%	99.9%
146	99	0.0%	99.9%
147	62	0.0%	99.9%
148	68	0.0%	99.9%
149	76	0.0%	99.9%
150	63	0.0%	99.9%
151	81	0.0%	99.9%
152	71	0.0%	99.9%
153	73	0.0%	99.9%
154	92	0.0%	99.9%
155	85	0.0%	99.9%
156	86	0.0%	99.9%
157	92	0.0%	99.9%
158	92	0.0%	99.9%
159	106	0.0%	99.9%
160	151	0.0%	99.9%
161	192	0.0%	99.9%
162	208	0.0%	99.9%
163	300	0.0%	99.9%
164	268	0.0%	99.9%
165	302	0.0%	99.9%
166	345	0.0%	99.9%
167	389	0.0%	99.9%

Length	Count	Percentage	Cummulative Percentage
168	409	0.0%	99.9%
169	424	0.0%	99.9%
170	457	0.0%	99.9%
171	475	0.0%	99.9%
172	501	0.0%	99.9%
173	515	0.0%	99.9%
174	525	0.0%	99.9%
175	545	0.0%	99.9%
176	592	0.0%	99.9%
177	618	0.0%	99.9%
178	680	0.0%	99.9%
179	665	0.0%	99.9%
180	615	0.0%	99.9%
181	722	0.0%	99.9%
182	728	0.0%	99.9%
183	715	0.0%	99.9%
184	743	0.0%	99.9%
185	762	0.0%	99.9%
186	786	0.0%	99.9%
187	803	0.0%	99.9%
188	772	0.0%	99.9%
189	807	0.0%	99.9%
190	749	0.0%	99.9%
191	851	0.0%	99.9%
192	863	0.0%	99.9%
193	832	0.0%	99.9%
194	797	0.0%	99.9%
195	792	0.0%	99.9%
196	806	0.0%	99.9%
197	829	0.0%	99.9%
198	848	0.0%	99.9%
199	845	0.0%	99.9%
200	823	0.0%	99.9%
201	777	0.0%	99.9%
202	803	0.0%	99.9%
203	809	0.0%	99.9%
204	791	0.0%	99.9%

Length	Count	Percentage	Cummulative Percentage
205	820	0.0%	99.9%
206	789	0.0%	99.9%
207	798	0.0%	99.9%
208	746	0.0%	99.9%
209	759	0.0%	99.9%
210	745	0.0%	99.9%
211	736	0.0%	99.9%
212	737	0.0%	99.9%
213	768	0.0%	99.9%
214	746	0.0%	99.9%
215	624	0.0%	99.9%
216	715	0.0%	99.9%
217	717	0.0%	99.9%
218	724	0.0%	99.9%
219	706	0.0%	99.9%
220	710	0.0%	99.9%
221	660	0.0%	99.9%
222	690	0.0%	99.9%
223	727	0.0%	99.9%
224	683	0.0%	99.9%
225	713	0.0%	99.9%
226	680	0.0%	99.9%
227	741	0.0%	99.9%
228	670	0.0%	99.9%
229	696	0.0%	99.9%
230	654	0.0%	99.9%
231	643	0.0%	99.9%
232	676	0.0%	99.9%
233	631	0.0%	99.9%
234	631	0.0%	99.9%
235	605	0.0%	99.9%
236	654	0.0%	99.9%
237	682	0.0%	99.9%
238	691	0.0%	99.9%
239	663	0.0%	99.9%
240	626	0.0%	99.9%
241	641	0.0%	99.9%

Length	Count	Percentage	Cummulative Percentage
242	680	0.0%	99.9%
243	645	0.0%	99.9%
244	637	0.0%	99.9%
245	594	0.0%	99.9%
246	638	0.0%	99.9%
247	637	0.0%	99.9%
248	702	0.0%	99.9%
249	700	0.0%	99.9%
250	611	0.0%	99.9%
251	635	0.0%	99.9%
252	629	0.0%	99.9%
253	615	0.0%	99.9%
254	568	0.0%	99.9%
255	570	0.0%	99.9%
256	599	0.0%	99.9%
257	535	0.0%	99.9%
258	603	0.0%	99.9%
259	577	0.0%	99.9%
260	556	0.0%	99.9%
261	583	0.0%	99.9%
262	574	0.0%	99.9%
263	539	0.0%	99.9%
264	552	0.0%	99.9%
265	540	0.0%	99.9%
266	522	0.0%	99.9%
267	558	0.0%	99.9%
268	587	0.0%	99.9%
269	537	0.0%	99.9%
270	534	0.0%	99.9%
271	531	0.0%	99.9%
272	523	0.0%	99.9%
273	491	0.0%	99.9%
274	510	0.0%	99.9%
275	512	0.0%	99.9%
276	489	0.0%	99.9%
277	466	0.0%	99.9%
278	524	0.0%	99.9%

Length	Count	Percentage	Cummulative Percentage
279	529	0.0%	99.9%
280	517	0.0%	99.9%
281	517	0.0%	99.9%
282	485	0.0%	99.9%
283	505	0.0%	99.9%
284	504	0.0%	99.9%
285	507	0.0%	99.9%
286	457	0.0%	99.9%
287	486	0.0%	99.9%
288	477	0.0%	99.9%
289	470	0.0%	99.9%
290	478	0.0%	99.9%
291	473	0.0%	99.9%
292	466	0.0%	99.9%
293	472	0.0%	99.9%
294	457	0.0%	99.9%
295	464	0.0%	99.9%
296	501	0.0%	99.9%
297	459	0.0%	99.9%
298	447	0.0%	99.9%
299	461	0.0%	99.9%
300	434	0.0%	99.9%
301	439	0.0%	99.9%
302	397	0.0%	99.9%
303	448	0.0%	99.9%
304	434	0.0%	99.9%
305	446	0.0%	99.9%
306	418	0.0%	99.9%
307	425	0.0%	99.9%
308	420	0.0%	99.9%
309	415	0.0%	99.9%
310	401	0.0%	99.9%
311	408	0.0%	99.9%
312	412	0.0%	99.9%
313	404	0.0%	99.9%
314	430	0.0%	99.9%
315	438	0.0%	99.9%

Length	Count	Percentage	Cummulative Percentage
316	422	0.0%	99.9%
317	415	0.0%	99.9%
318	419	0.0%	99.9%
319	374	0.0%	99.9%
320	411	0.0%	99.9%
321	413	0.0%	99.9%
322	402	0.0%	99.9%
323	440	0.0%	99.9%
324	417	0.0%	99.9%
325	411	0.0%	99.9%
326	454	0.0%	99.9%
327	411	0.0%	99.9%
328	416	0.0%	99.9%
329	395	0.0%	99.9%
330	442	0.0%	99.9%
331	365	0.0%	99.9%
332	380	0.0%	99.9%
333	402	0.0%	99.9%
334	401	0.0%	99.9%
335	412	0.0%	99.9%
336	410	0.0%	99.9%
337	439	0.0%	99.9%
338	373	0.0%	99.9%
339	386	0.0%	99.9%
340	413	0.0%	99.9%
341	400	0.0%	99.9%
342	374	0.0%	99.9%
343	401	0.0%	99.9%
344	389	0.0%	99.9%
345	386	0.0%	99.9%
346	375	0.0%	99.9%
347	365	0.0%	99.9%
348	364	0.0%	99.9%
349	373	0.0%	99.9%
350	402	0.0%	99.9%
351	418	0.0%	99.9%
352	397	0.0%	99.9%

Length	Count	Percentage	Cummulative Percentage
353	390	0.0%	99.9%
354	399	0.0%	99.9%
355	385	0.0%	99.9%
356	387	0.0%	99.9%
357	430	0.0%	99.9%
358	397	0.0%	99.9%
359	398	0.0%	99.9%
360	373	0.0%	99.9%
361	348	0.0%	99.9%
362	387	0.0%	99.9%
363	372	0.0%	99.9%
364	388	0.0%	99.9%
365	382	0.0%	99.9%
366	405	0.0%	99.9%
367	414	0.0%	99.9%
368	368	0.0%	99.9%
369	397	0.0%	99.9%
370	399	0.0%	99.9%
371	385	0.0%	99.9%
372	351	0.0%	99.9%
373	393	0.0%	99.9%
374	384	0.0%	99.9%
375	393	0.0%	99.9%
376	417	0.0%	99.9%
377	395	0.0%	99.9%
378	419	0.0%	99.9%
379	389	0.0%	99.9%
380	360	0.0%	99.9%
381	396	0.0%	99.9%
382	373	0.0%	99.9%
383	398	0.0%	99.9%
384	370	0.0%	99.9%
385	397	0.0%	99.9%
386	384	0.0%	99.9%
387	393	0.0%	99.9%
388	399	0.0%	99.9%
389	412	0.0%	99.9%

Length	Count	Percentage	Cummulative Percentage
390	348	0.0%	99.9%
391	391	0.0%	99.9%
392	385	0.0%	99.9%
393	375	0.0%	99.9%
394	396	0.0%	99.9%
395	382	0.0%	99.9%
396	403	0.0%	99.9%
397	406	0.0%	99.9%
398	401	0.0%	99.9%
399	405	0.0%	99.9%
400	442	0.0%	99.9%
401	431	0.0%	99.9%
402	404	0.0%	99.9%
403	430	0.0%	99.9%
404	410	0.0%	99.9%
405	396	0.0%	99.9%
406	414	0.0%	99.9%
407	459	0.0%	99.9%
408	427	0.0%	99.9%
409	395	0.0%	99.9%
410	391	0.0%	99.9%
411	413	0.0%	99.9%
412	378	0.0%	99.9%
413	414	0.0%	99.9%
414	401	0.0%	99.9%
415	385	0.0%	99.9%
416	403	0.0%	99.9%
417	404	0.0%	99.9%
418	418	0.0%	99.9%
419	459	0.0%	99.9%
420	411	0.0%	99.9%
421	434	0.0%	99.9%
422	410	0.0%	99.9%
423	417	0.0%	99.9%
424	394	0.0%	99.9%
425	439	0.0%	99.9%
426	402	0.0%	99.9%

Length	Count	Percentage	Cummulative Percentage
427	446	0.0%	99.9%
428	439	0.0%	99.9%
429	421	0.0%	99.9%
430	453	0.0%	99.9%
431	435	0.0%	99.9%
432	434	0.0%	99.9%
433	418	0.0%	99.9%
434	446	0.0%	99.9%
435	440	0.0%	99.9%
436	435	0.0%	99.9%
437	449	0.0%	99.9%
438	435	0.0%	99.9%
439	447	0.0%	99.9%
440	449	0.0%	99.9%
441	470	0.0%	99.9%
442	440	0.0%	99.9%
443	422	0.0%	99.9%
444	451	0.0%	99.9%
445	433	0.0%	99.9%
446	438	0.0%	99.9%
447	418	0.0%	99.9%
448	474	0.0%	99.9%
449	464	0.0%	99.9%
450	449	0.0%	99.9%
451	458	0.0%	99.9%
452	454	0.0%	99.9%
453	430	0.0%	99.9%
454	471	0.0%	99.9%
455	474	0.0%	99.9%
456	512	0.0%	99.9%
457	439	0.0%	99.9%
458	432	0.0%	99.9%
459	496	0.0%	99.9%
460	498	0.0%	99.9%
461	452	0.0%	99.9%
462	482	0.0%	99.9%
463	505	0.0%	99.9%

Length	Count	Percentage	Cummulative Percentage
464	480	0.0%	99.9%
465	555	0.0%	99.9%
466	521	0.0%	99.9%
467	598	0.0%	99.9%
468	526	0.0%	99.9%
469	561	0.0%	99.9%
470	543	0.0%	99.9%
471	581	0.0%	99.9%
472	573	0.0%	99.9%
473	563	0.0%	99.9%
474	633	0.0%	99.9%
475	621	0.0%	99.9%
476	639	0.0%	99.9%
477	654	0.0%	99.9%
478	710	0.0%	99.9%
479	711	0.0%	99.9%
480	713	0.0%	99.9%
481	755	0.0%	99.9%
482	796	0.0%	99.9%
483	820	0.0%	99.9%
484	850	0.0%	99.9%
485	832	0.0%	99.9%
486	923	0.0%	99.9%
487	886	0.0%	99.9%
488	910	0.0%	99.9%
489	1,032	0.0%	99.9%
490	998	0.0%	99.9%
491	1,090	0.0%	99.9%
492	1,144	0.0%	99.9%
493	1,149	0.0%	99.9%
494	1,219	0.0%	99.9%
495	1,264	0.0%	99.9%
496	1,310	0.0%	99.9%
497	1,439	0.0%	99.9%
498	1,433	0.0%	99.9%
499	1,483	0.0%	99.9%
500	1,585	0.0%	99.9%

Length	Count	Percentage	Cummulative Percentage
501	1,610	0.0%	99.9%
502	1,697	0.0%	99.9%
503	1,896	0.0%	99.9%
504	1,933	0.0%	99.9%
505	2,000	0.0%	99.9%
506	2,048	0.0%	99.9%
507	2,069	0.0%	99.9%
508	2,228	0.0%	99.9%
509	2,325	0.0%	99.9%
510	2,349	0.0%	99.9%
511	2,405	0.0%	99.9%
512	2,626	0.0%	99.9%
513	2,542	0.0%	99.9%
514	2,590	0.0%	99.9%
515	2,679	0.0%	99.9%
516	2,768	0.0%	99.9%
517	2,850	0.0%	99.9%
518	2,976	0.0%	99.9%
519	3,015	0.0%	99.9%
520	3,083	0.0%	99.9%
521	3,166	0.0%	99.9%
522	3,199	0.0%	99.9%
523	3,341	0.0%	99.9%
524	3,400	0.0%	99.9%
525	3,374	0.0%	99.9%
526	3,408	0.0%	99.9%
527	3,448	0.0%	99.9%
528	3,471	0.0%	99.9%
529	3,479	0.0%	99.9%
530	3,566	0.0%	99.9%
531	3,574	0.0%	99.9%
532	3,628	0.0%	99.9%
533	3,590	0.0%	99.9%
534	3,650	0.0%	99.9%
535	3,573	0.0%	99.9%
536	3,566	0.0%	99.9%
537	3,480	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
538	3,525	0.0%	100.0%
539	3,493	0.0%	100.0%
540	3,427	0.0%	100.0%
541	3,496	0.0%	100.0%
542	3,452	0.0%	100.0%
543	3,379	0.0%	100.0%
544	3,306	0.0%	100.0%
545	3,266	0.0%	100.0%
546	3,300	0.0%	100.0%
547	3,300	0.0%	100.0%
548	3,172	0.0%	100.0%
549	3,131	0.0%	100.0%
550	3,180	0.0%	100.0%
551	3,030	0.0%	100.0%
552	3,027	0.0%	100.0%
553	3,102	0.0%	100.0%
554	2,944	0.0%	100.0%
555	2,941	0.0%	100.0%
556	2,796	0.0%	100.0%
557	2,644	0.0%	100.0%
558	2,690	0.0%	100.0%
559	2,639	0.0%	100.0%
560	2,531	0.0%	100.0%
561	2,369	0.0%	100.0%
562	2,443	0.0%	100.0%
563	2,392	0.0%	100.0%
564	2,174	0.0%	100.0%
565	2,225	0.0%	100.0%
566	2,183	0.0%	100.0%
567	2,082	0.0%	100.0%
568	2,055	0.0%	100.0%
569	1,867	0.0%	100.0%
570	1,898	0.0%	100.0%
571	1,843	0.0%	100.0%
572	1,729	0.0%	100.0%
573	1,739	0.0%	100.0%
574	1,647	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
575	1,579	0.0%	100.0%
576	1,488	0.0%	100.0%
577	1,454	0.0%	100.0%
578	1,489	0.0%	100.0%
579	1,337	0.0%	100.0%
580	1,349	0.0%	100.0%
581	1,284	0.0%	100.0%
582	1,229	0.0%	100.0%
583	1,199	0.0%	100.0%
584	1,209	0.0%	100.0%
585	1,168	0.0%	100.0%
586	1,109	0.0%	100.0%
587	1,017	0.0%	100.0%
588	1,021	0.0%	100.0%
589	988	0.0%	100.0%
590	882	0.0%	100.0%
591	912	0.0%	100.0%
592	860	0.0%	100.0%
593	854	0.0%	100.0%
594	847	0.0%	100.0%
595	771	0.0%	100.0%
596	756	0.0%	100.0%
597	737	0.0%	100.0%
598	695	0.0%	100.0%
599	685	0.0%	100.0%
600	680	0.0%	100.0%
601	623	0.0%	100.0%
602	579	0.0%	100.0%
603	588	0.0%	100.0%
604	551	0.0%	100.0%
605	546	0.0%	100.0%
606	528	0.0%	100.0%
607	512	0.0%	100.0%
608	496	0.0%	100.0%
609	523	0.0%	100.0%
610	435	0.0%	100.0%
611	418	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
612	477	0.0%	100.0%
613	397	0.0%	100.0%
614	377	0.0%	100.0%
615	453	0.0%	100.0%
616	388	0.0%	100.0%
617	370	0.0%	100.0%
618	359	0.0%	100.0%
619	351	0.0%	100.0%
620	288	0.0%	100.0%
621	334	0.0%	100.0%
622	321	0.0%	100.0%
623	342	0.0%	100.0%
624	324	0.0%	100.0%
625	305	0.0%	100.0%
626	325	0.0%	100.0%
627	303	0.0%	100.0%
628	333	0.0%	100.0%
629	303	0.0%	100.0%
630	274	0.0%	100.0%
631	249	0.0%	100.0%
632	274	0.0%	100.0%
633	225	0.0%	100.0%
634	248	0.0%	100.0%
635	244	0.0%	100.0%
636	216	0.0%	100.0%
637	229	0.0%	100.0%
638	219	0.0%	100.0%
639	201	0.0%	100.0%
640	225	0.0%	100.0%
641	209	0.0%	100.0%
642	210	0.0%	100.0%
643	193	0.0%	100.0%
644	215	0.0%	100.0%
645	202	0.0%	100.0%
646	187	0.0%	100.0%
647	190	0.0%	100.0%
648	158	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
649	188	0.0%	100.0%
650	186	0.0%	100.0%
651	156	0.0%	100.0%
652	183	0.0%	100.0%
653	163	0.0%	100.0%
654	169	0.0%	100.0%
655	150	0.0%	100.0%
656	148	0.0%	100.0%
657	148	0.0%	100.0%
658	151	0.0%	100.0%
659	160	0.0%	100.0%
660	147	0.0%	100.0%
661	133	0.0%	100.0%
662	152	0.0%	100.0%
663	145	0.0%	100.0%
664	124	0.0%	100.0%
665	142	0.0%	100.0%
666	128	0.0%	100.0%
667	125	0.0%	100.0%
668	135	0.0%	100.0%
669	119	0.0%	100.0%
670	117	0.0%	100.0%
671	111	0.0%	100.0%
672	100	0.0%	100.0%
673	107	0.0%	100.0%
674	132	0.0%	100.0%
675	113	0.0%	100.0%
676	123	0.0%	100.0%
677	109	0.0%	100.0%
678	118	0.0%	100.0%
679	106	0.0%	100.0%
680	106	0.0%	100.0%
681	95	0.0%	100.0%
682	98	0.0%	100.0%
683	106	0.0%	100.0%
684	101	0.0%	100.0%
685	103	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
686	91	0.0%	100.0%
687	90	0.0%	100.0%
688	94	0.0%	100.0%
689	98	0.0%	100.0%
690	82	0.0%	100.0%
691	83	0.0%	100.0%
692	83	0.0%	100.0%
693	95	0.0%	100.0%
694	80	0.0%	100.0%
695	77	0.0%	100.0%
696	69	0.0%	100.0%
697	67	0.0%	100.0%
698	68	0.0%	100.0%
699	69	0.0%	100.0%
700	74	0.0%	100.0%
701	67	0.0%	100.0%
702	68	0.0%	100.0%
703	73	0.0%	100.0%
704	75	0.0%	100.0%
705	55	0.0%	100.0%
706	77	0.0%	100.0%
707	63	0.0%	100.0%
708	72	0.0%	100.0%
709	69	0.0%	100.0%
710	67	0.0%	100.0%
711	76	0.0%	100.0%
712	55	0.0%	100.0%
713	59	0.0%	100.0%
714	78	0.0%	100.0%
715	50	0.0%	100.0%
716	67	0.0%	100.0%
717	52	0.0%	100.0%
718	47	0.0%	100.0%
719	67	0.0%	100.0%
720	73	0.0%	100.0%
721	52	0.0%	100.0%
722	59	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
723	49	0.0%	100.0%
724	52	0.0%	100.0%
725	48	0.0%	100.0%
726	64	0.0%	100.0%
727	52	0.0%	100.0%
728	50	0.0%	100.0%
729	52	0.0%	100.0%
730	58	0.0%	100.0%
731	57	0.0%	100.0%
732	47	0.0%	100.0%
733	39	0.0%	100.0%
734	53	0.0%	100.0%
735	42	0.0%	100.0%
736	59	0.0%	100.0%
737	44	0.0%	100.0%
738	45	0.0%	100.0%
739	38	0.0%	100.0%
740	44	0.0%	100.0%
741	41	0.0%	100.0%
742	57	0.0%	100.0%
743	54	0.0%	100.0%
744	41	0.0%	100.0%
745	53	0.0%	100.0%
746	34	0.0%	100.0%
747	36	0.0%	100.0%
748	52	0.0%	100.0%
749	39	0.0%	100.0%
750	52	0.0%	100.0%
751	57	0.0%	100.0%
752	43	0.0%	100.0%
753	32	0.0%	100.0%
754	40	0.0%	100.0%
755	40	0.0%	100.0%
756	40	0.0%	100.0%
757	51	0.0%	100.0%
758	40	0.0%	100.0%
759	36	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
760	45	0.0%	100.0%
761	37	0.0%	100.0%
762	36	0.0%	100.0%
763	34	0.0%	100.0%
764	37	0.0%	100.0%
765	34	0.0%	100.0%
766	51	0.0%	100.0%
767	34	0.0%	100.0%
768	42	0.0%	100.0%
769	46	0.0%	100.0%
770	47	0.0%	100.0%
771	35	0.0%	100.0%
772	47	0.0%	100.0%
773	29	0.0%	100.0%
774	40	0.0%	100.0%
775	40	0.0%	100.0%
776	35	0.0%	100.0%
777	18	0.0%	100.0%
778	28	0.0%	100.0%
779	35	0.0%	100.0%
780	40	0.0%	100.0%
781	29	0.0%	100.0%
782	15	0.0%	100.0%
783	40	0.0%	100.0%
784	36	0.0%	100.0%
785	33	0.0%	100.0%
786	39	0.0%	100.0%
787	37	0.0%	100.0%
788	39	0.0%	100.0%
789	37	0.0%	100.0%
790	37	0.0%	100.0%
791	34	0.0%	100.0%
792	32	0.0%	100.0%
793	32	0.0%	100.0%
794	27	0.0%	100.0%
795	39	0.0%	100.0%
796	31	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
797	38	0.0%	100.0%
798	36	0.0%	100.0%
799	35	0.0%	100.0%
800	37	0.0%	100.0%
801	31	0.0%	100.0%
802	45	0.0%	100.0%
803	37	0.0%	100.0%
804	35	0.0%	100.0%
805	29	0.0%	100.0%
806	23	0.0%	100.0%
807	28	0.0%	100.0%
808	38	0.0%	100.0%
809	28	0.0%	100.0%
810	33	0.0%	100.0%
811	23	0.0%	100.0%
812	28	0.0%	100.0%
813	31	0.0%	100.0%
814	40	0.0%	100.0%
815	33	0.0%	100.0%
816	29	0.0%	100.0%
817	28	0.0%	100.0%
818	28	0.0%	100.0%
819	34	0.0%	100.0%
820	32	0.0%	100.0%
821	22	0.0%	100.0%
822	45	0.0%	100.0%
823	34	0.0%	100.0%
824	44	0.0%	100.0%
825	26	0.0%	100.0%
826	37	0.0%	100.0%
827	32	0.0%	100.0%
828	34	0.0%	100.0%
829	38	0.0%	100.0%
830	34	0.0%	100.0%
831	31	0.0%	100.0%
832	32	0.0%	100.0%
833	36	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
834	31	0.0%	100.0%
835	24	0.0%	100.0%
836	30	0.0%	100.0%
837	37	0.0%	100.0%
838	26	0.0%	100.0%
839	37	0.0%	100.0%
840	28	0.0%	100.0%
841	30	0.0%	100.0%
842	41	0.0%	100.0%
843	35	0.0%	100.0%
844	23	0.0%	100.0%
845	32	0.0%	100.0%
846	30	0.0%	100.0%
847	26	0.0%	100.0%
848	28	0.0%	100.0%
849	39	0.0%	100.0%
850	31	0.0%	100.0%
851	27	0.0%	100.0%
852	32	0.0%	100.0%
853	36	0.0%	100.0%
854	35	0.0%	100.0%
855	38	0.0%	100.0%
856	39	0.0%	100.0%
857	41	0.0%	100.0%
858	29	0.0%	100.0%
859	33	0.0%	100.0%
860	37	0.0%	100.0%
861	32	0.0%	100.0%
862	27	0.0%	100.0%
863	21	0.0%	100.0%
864	34	0.0%	100.0%
865	28	0.0%	100.0%
866	20	0.0%	100.0%
867	24	0.0%	100.0%
868	22	0.0%	100.0%
869	31	0.0%	100.0%
870	35	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
871	29	0.0%	100.0%
872	23	0.0%	100.0%
873	28	0.0%	100.0%
874	21	0.0%	100.0%
875	27	0.0%	100.0%
876	28	0.0%	100.0%
877	14	0.0%	100.0%
878	27	0.0%	100.0%
879	28	0.0%	100.0%
880	26	0.0%	100.0%
881	24	0.0%	100.0%
882	27	0.0%	100.0%
883	22	0.0%	100.0%
884	21	0.0%	100.0%
885	28	0.0%	100.0%
886	17	0.0%	100.0%
887	29	0.0%	100.0%
888	36	0.0%	100.0%
889	22	0.0%	100.0%
890	32	0.0%	100.0%
891	20	0.0%	100.0%
892	23	0.0%	100.0%
893	17	0.0%	100.0%
894	26	0.0%	100.0%
895	22	0.0%	100.0%
896	14	0.0%	100.0%
897	19	0.0%	100.0%
898	15	0.0%	100.0%
899	22	0.0%	100.0%
900	17	0.0%	100.0%
901	21	0.0%	100.0%
902	20	0.0%	100.0%
903	17	0.0%	100.0%
904	22	0.0%	100.0%
905	25	0.0%	100.0%
906	21	0.0%	100.0%
907	18	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
908	18	0.0%	100.0%
909	16	0.0%	100.0%
910	21	0.0%	100.0%
911	16	0.0%	100.0%
912	21	0.0%	100.0%
913	25	0.0%	100.0%
914	18	0.0%	100.0%
915	19	0.0%	100.0%
916	21	0.0%	100.0%
917	21	0.0%	100.0%
918	19	0.0%	100.0%
919	16	0.0%	100.0%
920	11	0.0%	100.0%
921	20	0.0%	100.0%
922	22	0.0%	100.0%
923	12	0.0%	100.0%
924	19	0.0%	100.0%
925	14	0.0%	100.0%
926	23	0.0%	100.0%
927	28	0.0%	100.0%
928	17	0.0%	100.0%
929	11	0.0%	100.0%
930	21	0.0%	100.0%
931	15	0.0%	100.0%
932	19	0.0%	100.0%
933	9	0.0%	100.0%
934	12	0.0%	100.0%
935	18	0.0%	100.0%
936	16	0.0%	100.0%
937	19	0.0%	100.0%
938	6	0.0%	100.0%
939	14	0.0%	100.0%
940	20	0.0%	100.0%
941	13	0.0%	100.0%
942	14	0.0%	100.0%
943	23	0.0%	100.0%
944	11	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
945	17	0.0%	100.0%
946	14	0.0%	100.0%
947	14	0.0%	100.0%
948	14	0.0%	100.0%
949	19	0.0%	100.0%
950	17	0.0%	100.0%
951	17	0.0%	100.0%
952	14	0.0%	100.0%
953	16	0.0%	100.0%
954	17	0.0%	100.0%
955	26	0.0%	100.0%
956	15	0.0%	100.0%
957	12	0.0%	100.0%
958	16	0.0%	100.0%
959	10	0.0%	100.0%
960	11	0.0%	100.0%
961	15	0.0%	100.0%
962	12	0.0%	100.0%
963	13	0.0%	100.0%
964	5	0.0%	100.0%
965	6	0.0%	100.0%
966	15	0.0%	100.0%
967	9	0.0%	100.0%
968	15	0.0%	100.0%
969	13	0.0%	100.0%
970	13	0.0%	100.0%
971	14	0.0%	100.0%
972	10	0.0%	100.0%
973	15	0.0%	100.0%
974	11	0.0%	100.0%
975	11	0.0%	100.0%
976	16	0.0%	100.0%
977	12	0.0%	100.0%
978	12	0.0%	100.0%
979	7	0.0%	100.0%
980	12	0.0%	100.0%
981	10	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
982	9	0.0%	100.0%
983	13	0.0%	100.0%
984	4	0.0%	100.0%
985	6	0.0%	100.0%
986	8	0.0%	100.0%
987	7	0.0%	100.0%
988	13	0.0%	100.0%
989	11	0.0%	100.0%
990	10	0.0%	100.0%
991	14	0.0%	100.0%
992	12	0.0%	100.0%
993	8	0.0%	100.0%
994	10	0.0%	100.0%
995	6	0.0%	100.0%
996	5	0.0%	100.0%
997	8	0.0%	100.0%
998	8	0.0%	100.0%
999	5	0.0%	100.0%
1,000	12	0.0%	100.0%
1,001	8	0.0%	100.0%
1,002	7	0.0%	100.0%
1,003	12	0.0%	100.0%
1,004	3	0.0%	100.0%
1,005	8	0.0%	100.0%
1,006	11	0.0%	100.0%
1,007	4	0.0%	100.0%
1,008	9	0.0%	100.0%
1,009	9	0.0%	100.0%
1,010	12	0.0%	100.0%
1,011	15	0.0%	100.0%
1,012	6	0.0%	100.0%
1,013	2	0.0%	100.0%
1,014	10	0.0%	100.0%
1,015	6	0.0%	100.0%
1,016	7	0.0%	100.0%
1,017	5	0.0%	100.0%
1,018	5	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
1,019	9	0.0%	100.0%
1,020	7	0.0%	100.0%
1,021	3	0.0%	100.0%
1,022	6	0.0%	100.0%
1,023	8	0.0%	100.0%
1,024	8	0.0%	100.0%
1,025	9	0.0%	100.0%
1,026	6	0.0%	100.0%
1,027	5	0.0%	100.0%
1,028	7	0.0%	100.0%
1,029	10	0.0%	100.0%
1,030	10	0.0%	100.0%
1,031	7	0.0%	100.0%
1,032	2	0.0%	100.0%
1,033	7	0.0%	100.0%
1,034	8	0.0%	100.0%
1,035	13	0.0%	100.0%
1,036	10	0.0%	100.0%
1,037	4	0.0%	100.0%
1,038	2	0.0%	100.0%
1,039	8	0.0%	100.0%
1,040	5	0.0%	100.0%
1,041	5	0.0%	100.0%
1,042	7	0.0%	100.0%
1,043	7	0.0%	100.0%
1,044	7	0.0%	100.0%
1,045	5	0.0%	100.0%
1,046	5	0.0%	100.0%
1,047	8	0.0%	100.0%
1,048	6	0.0%	100.0%
1,049	6	0.0%	100.0%
1,050	3	0.0%	100.0%
1,051	5	0.0%	100.0%
1,052	6	0.0%	100.0%
1,053	8	0.0%	100.0%
1,054	2	0.0%	100.0%
1,055	2	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
1,056	4	0.0%	100.0%
1,057	7	0.0%	100.0%
1,058	10	0.0%	100.0%
1,059	9	0.0%	100.0%
1,060	8	0.0%	100.0%
1,061	10	0.0%	100.0%
1,062	6	0.0%	100.0%
1,063	4	0.0%	100.0%
1,064	3	0.0%	100.0%
1,065	12	0.0%	100.0%
1,066	7	0.0%	100.0%
1,067	7	0.0%	100.0%
1,068	5	0.0%	100.0%
1,069	3	0.0%	100.0%
1,070	7	0.0%	100.0%
1,071	5	0.0%	100.0%
1,072	4	0.0%	100.0%
1,073	8	0.0%	100.0%
1,074	7	0.0%	100.0%
1,075	11	0.0%	100.0%
1,076	4	0.0%	100.0%
1,077	7	0.0%	100.0%
1,078	4	0.0%	100.0%
1,079	2	0.0%	100.0%
1,080	5	0.0%	100.0%
1,081	7	0.0%	100.0%
1,082	1	0.0%	100.0%
1,083	8	0.0%	100.0%
1,084	2	0.0%	100.0%
1,085	4	0.0%	100.0%
1,086	6	0.0%	100.0%
1,087	3	0.0%	100.0%
1,088	10	0.0%	100.0%
1,089	7	0.0%	100.0%
1,090	4	0.0%	100.0%
1,091	3	0.0%	100.0%
1,092	4	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
1,093	7	0.0%	100.0%
1,094	3	0.0%	100.0%
1,095	1	0.0%	100.0%
1,096	4	0.0%	100.0%
1,097	8	0.0%	100.0%
1,098	4	0.0%	100.0%
1,099	3	0.0%	100.0%
1,100	1	0.0%	100.0%
1,101	2	0.0%	100.0%
1,102	5	0.0%	100.0%
1,103	4	0.0%	100.0%
1,104	8	0.0%	100.0%
1,105	7	0.0%	100.0%
1,106	2	0.0%	100.0%
1,107	6	0.0%	100.0%
1,108	5	0.0%	100.0%
1,109	5	0.0%	100.0%
1,110	6	0.0%	100.0%
1,111	5	0.0%	100.0%
1,112	3	0.0%	100.0%
1,113	3	0.0%	100.0%
1,114	2	0.0%	100.0%
1,115	3	0.0%	100.0%
1,116	3	0.0%	100.0%
1,117	4	0.0%	100.0%
1,118	5	0.0%	100.0%
1,119	2	0.0%	100.0%
1,120	2	0.0%	100.0%
1,121	4	0.0%	100.0%
1,122	8	0.0%	100.0%
1,123	3	0.0%	100.0%
1,124	3	0.0%	100.0%
1,125	3	0.0%	100.0%
1,126	3	0.0%	100.0%
1,127	6	0.0%	100.0%
1,128	2	0.0%	100.0%
1,129	3	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
1,130	5	0.0%	100.0%
1,131	4	0.0%	100.0%
1,132	5	0.0%	100.0%
1,133	7	0.0%	100.0%
1,134	3	0.0%	100.0%
1,135	3	0.0%	100.0%
1,136	3	0.0%	100.0%
1,137	4	0.0%	100.0%
1,138	3	0.0%	100.0%
1,139	4	0.0%	100.0%
1,140	3	0.0%	100.0%
1,141	4	0.0%	100.0%
1,142	4	0.0%	100.0%
1,143	3	0.0%	100.0%
1,145	5	0.0%	100.0%
1,146	2	0.0%	100.0%
1,147	2	0.0%	100.0%
1,149	5	0.0%	100.0%
1,150	2	0.0%	100.0%
1,151	7	0.0%	100.0%
1,152	6	0.0%	100.0%
1,153	5	0.0%	100.0%
1,154	3	0.0%	100.0%
1,156	2	0.0%	100.0%
1,157	2	0.0%	100.0%
1,158	3	0.0%	100.0%
1,159	5	0.0%	100.0%
1,160	3	0.0%	100.0%
1,161	5	0.0%	100.0%
1,162	1	0.0%	100.0%
1,163	3	0.0%	100.0%
1,165	4	0.0%	100.0%
1,166	3	0.0%	100.0%
1,167	2	0.0%	100.0%
1,168	3	0.0%	100.0%
1,169	5	0.0%	100.0%
1,170	5	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
1,171	3	0.0%	100.0%
1,172	3	0.0%	100.0%
1,173	3	0.0%	100.0%
1,174	1	0.0%	100.0%
1,175	2	0.0%	100.0%
1,177	4	0.0%	100.0%
1,178	5	0.0%	100.0%
1,179	5	0.0%	100.0%
1,180	5	0.0%	100.0%
1,181	3	0.0%	100.0%
1,182	3	0.0%	100.0%
1,183	2	0.0%	100.0%
1,184	8	0.0%	100.0%
1,185	5	0.0%	100.0%
1,186	1	0.0%	100.0%
1,187	4	0.0%	100.0%
1,188	1	0.0%	100.0%
1,189	2	0.0%	100.0%
1,190	2	0.0%	100.0%
1,191	2	0.0%	100.0%
1,192	3	0.0%	100.0%
1,193	2	0.0%	100.0%
1,194	6	0.0%	100.0%
1,195	2	0.0%	100.0%
1,196	4	0.0%	100.0%
1,197	3	0.0%	100.0%
1,198	5	0.0%	100.0%
1,199	1	0.0%	100.0%
1,200	3	0.0%	100.0%
1,201	2	0.0%	100.0%
1,202	2	0.0%	100.0%
1,203	3	0.0%	100.0%
1,204	3	0.0%	100.0%
1,205	3	0.0%	100.0%
1,206	2	0.0%	100.0%
1,207	1	0.0%	100.0%
1,208	2	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
1,209	9	0.0%	100.0%
1,210	5	0.0%	100.0%
1,211	1	0.0%	100.0%
1,212	3	0.0%	100.0%
1,214	1	0.0%	100.0%
1,215	6	0.0%	100.0%
1,216	1	0.0%	100.0%
1,218	2	0.0%	100.0%
1,219	2	0.0%	100.0%
1,220	1	0.0%	100.0%
1,222	4	0.0%	100.0%
1,223	3	0.0%	100.0%
1,224	1	0.0%	100.0%
1,225	3	0.0%	100.0%
1,226	2	0.0%	100.0%
1,227	2	0.0%	100.0%
1,228	4	0.0%	100.0%
1,229	3	0.0%	100.0%
1,230	3	0.0%	100.0%
1,231	2	0.0%	100.0%
1,232	1	0.0%	100.0%
1,233	2	0.0%	100.0%
1,234	2	0.0%	100.0%
1,235	1	0.0%	100.0%
1,236	1	0.0%	100.0%
1,237	2	0.0%	100.0%
1,238	5	0.0%	100.0%
1,239	4	0.0%	100.0%
1,240	2	0.0%	100.0%
1,242	4	0.0%	100.0%
1,243	2	0.0%	100.0%
1,244	2	0.0%	100.0%
1,245	4	0.0%	100.0%
1,246	4	0.0%	100.0%
1,247	1	0.0%	100.0%
1,248	1	0.0%	100.0%
1,250	1	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
1,251	3	0.0%	100.0%
1,252	3	0.0%	100.0%
1,253	1	0.0%	100.0%
1,254	3	0.0%	100.0%
1,256	3	0.0%	100.0%
1,257	2	0.0%	100.0%
1,259	1	0.0%	100.0%
1,260	1	0.0%	100.0%
1,261	2	0.0%	100.0%
1,262	3	0.0%	100.0%
1,264	3	0.0%	100.0%
1,265	2	0.0%	100.0%
1,266	2	0.0%	100.0%
1,267	2	0.0%	100.0%
1,268	4	0.0%	100.0%
1,269	5	0.0%	100.0%
1,270	1	0.0%	100.0%
1,271	3	0.0%	100.0%
1,272	1	0.0%	100.0%
1,273	2	0.0%	100.0%
1,274	4	0.0%	100.0%
1,275	2	0.0%	100.0%
1,276	1	0.0%	100.0%
1,277	1	0.0%	100.0%
1,278	2	0.0%	100.0%
1,279	1	0.0%	100.0%
1,280	2	0.0%	100.0%
1,281	2	0.0%	100.0%
1,282	3	0.0%	100.0%
1,283	3	0.0%	100.0%
1,284	2	0.0%	100.0%
1,285	1	0.0%	100.0%
1,286	3	0.0%	100.0%
1,287	2	0.0%	100.0%
1,289	4	0.0%	100.0%
1,290	3	0.0%	100.0%
1,291	1	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
1,292	4	0.0%	100.0%
1,293	2	0.0%	100.0%
1,294	4	0.0%	100.0%
1,295	4	0.0%	100.0%
1,296	2	0.0%	100.0%
1,297	1	0.0%	100.0%
1,298	1	0.0%	100.0%
1,299	3	0.0%	100.0%
1,300	3	0.0%	100.0%
1,301	2	0.0%	100.0%
1,302	2	0.0%	100.0%
1,303	2	0.0%	100.0%
1,304	3	0.0%	100.0%
1,305	2	0.0%	100.0%
1,307	3	0.0%	100.0%
1,308	1	0.0%	100.0%
1,309	1	0.0%	100.0%
1,310	2	0.0%	100.0%
1,311	2	0.0%	100.0%
1,312	4	0.0%	100.0%
1,313	2	0.0%	100.0%
1,314	2	0.0%	100.0%
1,315	2	0.0%	100.0%
1,316	2	0.0%	100.0%
1,319	3	0.0%	100.0%
1,320	3	0.0%	100.0%
1,322	3	0.0%	100.0%
1,324	2	0.0%	100.0%
1,325	2	0.0%	100.0%
1,326	1	0.0%	100.0%
1,327	1	0.0%	100.0%
1,328	2	0.0%	100.0%
1,329	2	0.0%	100.0%
1,331	1	0.0%	100.0%
1,332	2	0.0%	100.0%
1,333	3	0.0%	100.0%
1,334	1	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
1,335	2	0.0%	100.0%
1,336	2	0.0%	100.0%
1,337	3	0.0%	100.0%
1,338	2	0.0%	100.0%
1,341	1	0.0%	100.0%
1,342	1	0.0%	100.0%
1,343	1	0.0%	100.0%
1,344	3	0.0%	100.0%
1,346	1	0.0%	100.0%
1,347	1	0.0%	100.0%
1,348	1	0.0%	100.0%
1,349	2	0.0%	100.0%
1,350	3	0.0%	100.0%
1,352	3	0.0%	100.0%
1,353	1	0.0%	100.0%
1,354	2	0.0%	100.0%
1,355	2	0.0%	100.0%
1,356	1	0.0%	100.0%
1,357	1	0.0%	100.0%
1,360	5	0.0%	100.0%
1,361	1	0.0%	100.0%
1,362	2	0.0%	100.0%
1,364	1	0.0%	100.0%
1,365	1	0.0%	100.0%
1,366	1	0.0%	100.0%
1,367	3	0.0%	100.0%
1,368	5	0.0%	100.0%
1,369	2	0.0%	100.0%
1,370	2	0.0%	100.0%
1,371	3	0.0%	100.0%
1,372	3	0.0%	100.0%
1,373	1	0.0%	100.0%
1,374	3	0.0%	100.0%
1,375	2	0.0%	100.0%
1,376	1	0.0%	100.0%
1,377	2	0.0%	100.0%
1,378	1	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
1,379	3	0.0%	100.0%
1,381	3	0.0%	100.0%
1,382	1	0.0%	100.0%
1,383	2	0.0%	100.0%
1,386	1	0.0%	100.0%
1,388	2	0.0%	100.0%
1,390	1	0.0%	100.0%
1,393	2	0.0%	100.0%
1,395	1	0.0%	100.0%
1,396	1	0.0%	100.0%
1,397	1	0.0%	100.0%
1,398	2	0.0%	100.0%
1,400	1	0.0%	100.0%
1,402	2	0.0%	100.0%
1,403	3	0.0%	100.0%
1,405	3	0.0%	100.0%
1,406	2	0.0%	100.0%
1,407	2	0.0%	100.0%
1,408	2	0.0%	100.0%
1,409	2	0.0%	100.0%
1,410	2	0.0%	100.0%
1,411	1	0.0%	100.0%
1,413	1	0.0%	100.0%
1,416	1	0.0%	100.0%
1,417	3	0.0%	100.0%
1,419	1	0.0%	100.0%
1,420	1	0.0%	100.0%
1,421	2	0.0%	100.0%
1,422	2	0.0%	100.0%
1,423	1	0.0%	100.0%
1,424	1	0.0%	100.0%
1,425	1	0.0%	100.0%
1,426	1	0.0%	100.0%
1,427	1	0.0%	100.0%
1,428	1	0.0%	100.0%
1,429	2	0.0%	100.0%
1,430	4	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
1,432	1	0.0%	100.0%
1,433	3	0.0%	100.0%
1,434	2	0.0%	100.0%
1,435	1	0.0%	100.0%
1,436	1	0.0%	100.0%
1,437	1	0.0%	100.0%
1,438	3	0.0%	100.0%
1,439	1	0.0%	100.0%
1,440	2	0.0%	100.0%
1,441	1	0.0%	100.0%
1,442	3	0.0%	100.0%
1,443	2	0.0%	100.0%
1,445	1	0.0%	100.0%
1,446	1	0.0%	100.0%
1,448	1	0.0%	100.0%
1,449	2	0.0%	100.0%
1,451	2	0.0%	100.0%
1,452	3	0.0%	100.0%
1,453	5	0.0%	100.0%
1,454	1	0.0%	100.0%
1,455	1	0.0%	100.0%
1,456	1	0.0%	100.0%
1,457	4	0.0%	100.0%
1,458	1	0.0%	100.0%
1,459	1	0.0%	100.0%
1,461	2	0.0%	100.0%
1,462	3	0.0%	100.0%
1,465	3	0.0%	100.0%
1,467	3	0.0%	100.0%
1,468	3	0.0%	100.0%
1,469	1	0.0%	100.0%
1,470	1	0.0%	100.0%
1,471	2	0.0%	100.0%
1,472	3	0.0%	100.0%
1,473	1	0.0%	100.0%
1,474	1	0.0%	100.0%
1,475	3	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
1,476	1	0.0%	100.0%
1,478	1	0.0%	100.0%
1,479	1	0.0%	100.0%
1,481	1	0.0%	100.0%
1,483	1	0.0%	100.0%
1,484	2	0.0%	100.0%
1,485	3	0.0%	100.0%
1,487	3	0.0%	100.0%
1,489	3	0.0%	100.0%
1,490	4	0.0%	100.0%
1,491	1	0.0%	100.0%
1,493	3	0.0%	100.0%
1,494	1	0.0%	100.0%
1,495	1	0.0%	100.0%
1,496	1	0.0%	100.0%
1,497	1	0.0%	100.0%
1,498	1	0.0%	100.0%
1,499	2	0.0%	100.0%
1,500	1	0.0%	100.0%
1,504	2	0.0%	100.0%
1,505	2	0.0%	100.0%
1,507	1	0.0%	100.0%
1,508	2	0.0%	100.0%
1,509	1	0.0%	100.0%
1,510	1	0.0%	100.0%
1,511	2	0.0%	100.0%
1,512	2	0.0%	100.0%
1,513	1	0.0%	100.0%
1,514	1	0.0%	100.0%
1,515	3	0.0%	100.0%
1,516	1	0.0%	100.0%
1,518	1	0.0%	100.0%
1,519	1	0.0%	100.0%
1,520	2	0.0%	100.0%
1,521	1	0.0%	100.0%
1,523	4	0.0%	100.0%
1,524	1	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
1,525	2	0.0%	100.0%
1,526	1	0.0%	100.0%
1,527	1	0.0%	100.0%
1,528	3	0.0%	100.0%
1,531	1	0.0%	100.0%
1,533	2	0.0%	100.0%
1,535	1	0.0%	100.0%
1,536	1	0.0%	100.0%
1,538	1	0.0%	100.0%
1,539	1	0.0%	100.0%
1,540	3	0.0%	100.0%
1,542	1	0.0%	100.0%
1,543	1	0.0%	100.0%
1,544	1	0.0%	100.0%
1,545	1	0.0%	100.0%
1,547	3	0.0%	100.0%
1,549	2	0.0%	100.0%
1,550	2	0.0%	100.0%
1,551	1	0.0%	100.0%
1,552	1	0.0%	100.0%
1,553	1	0.0%	100.0%
1,554	1	0.0%	100.0%
1,555	2	0.0%	100.0%
1,556	3	0.0%	100.0%
1,557	1	0.0%	100.0%
1,558	2	0.0%	100.0%
1,559	2	0.0%	100.0%
1,560	1	0.0%	100.0%
1,561	1	0.0%	100.0%
1,563	2	0.0%	100.0%
1,564	1	0.0%	100.0%
1,565	1	0.0%	100.0%
1,566	1	0.0%	100.0%
1,570	2	0.0%	100.0%
1,571	2	0.0%	100.0%
1,572	3	0.0%	100.0%
1,574	1	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
1,575	2	0.0%	100.0%
1,576	1	0.0%	100.0%
1,577	1	0.0%	100.0%
1,578	2	0.0%	100.0%
1,579	2	0.0%	100.0%
1,580	1	0.0%	100.0%
1,581	1	0.0%	100.0%
1,582	1	0.0%	100.0%
1,583	2	0.0%	100.0%
1,591	1	0.0%	100.0%
1,592	2	0.0%	100.0%
1,594	3	0.0%	100.0%
1,595	1	0.0%	100.0%
1,597	1	0.0%	100.0%
1,599	2	0.0%	100.0%
1,602	2	0.0%	100.0%
1,603	1	0.0%	100.0%
1,604	1	0.0%	100.0%
1,606	2	0.0%	100.0%
1,608	2	0.0%	100.0%
1,609	4	0.0%	100.0%
1,610	1	0.0%	100.0%
1,614	1	0.0%	100.0%
1,615	1	0.0%	100.0%
1,616	1	0.0%	100.0%
1,617	2	0.0%	100.0%
1,618	4	0.0%	100.0%
1,620	1	0.0%	100.0%
1,624	2	0.0%	100.0%
1,625	3	0.0%	100.0%
1,626	1	0.0%	100.0%
1,627	2	0.0%	100.0%
1,628	2	0.0%	100.0%
1,629	2	0.0%	100.0%
1,630	1	0.0%	100.0%
1,631	1	0.0%	100.0%
1,633	2	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
1,634	1	0.0%	100.0%
1,635	1	0.0%	100.0%
1,636	2	0.0%	100.0%
1,639	1	0.0%	100.0%
1,641	5	0.0%	100.0%
1,642	3	0.0%	100.0%
1,643	1	0.0%	100.0%
1,644	1	0.0%	100.0%
1,645	1	0.0%	100.0%
1,648	2	0.0%	100.0%
1,650	1	0.0%	100.0%
1,652	1	0.0%	100.0%
1,653	2	0.0%	100.0%
1,654	1	0.0%	100.0%
1,656	2	0.0%	100.0%
1,657	1	0.0%	100.0%
1,659	1	0.0%	100.0%
1,662	1	0.0%	100.0%
1,663	2	0.0%	100.0%
1,664	2	0.0%	100.0%
1,665	1	0.0%	100.0%
1,666	1	0.0%	100.0%
1,668	1	0.0%	100.0%
1,673	1	0.0%	100.0%
1,674	1	0.0%	100.0%
1,678	2	0.0%	100.0%
1,679	1	0.0%	100.0%
1,680	1	0.0%	100.0%
1,683	1	0.0%	100.0%
1,684	2	0.0%	100.0%
1,685	4	0.0%	100.0%
1,686	1	0.0%	100.0%
1,688	1	0.0%	100.0%
1,690	1	0.0%	100.0%
1,691	3	0.0%	100.0%
1,692	1	0.0%	100.0%
1,693	2	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
1,695	1	0.0%	100.0%
1,696	1	0.0%	100.0%
1,701	1	0.0%	100.0%
1,702	1	0.0%	100.0%
1,703	2	0.0%	100.0%
1,705	2	0.0%	100.0%
1,706	1	0.0%	100.0%
1,707	1	0.0%	100.0%
1,712	2	0.0%	100.0%
1,713	2	0.0%	100.0%
1,715	1	0.0%	100.0%
1,721	1	0.0%	100.0%
1,722	1	0.0%	100.0%
1,723	1	0.0%	100.0%
1,725	1	0.0%	100.0%
1,726	2	0.0%	100.0%
1,727	2	0.0%	100.0%
1,728	1	0.0%	100.0%
1,731	2	0.0%	100.0%
1,734	1	0.0%	100.0%
1,735	4	0.0%	100.0%
1,737	1	0.0%	100.0%
1,738	2	0.0%	100.0%
1,739	1	0.0%	100.0%
1,741	1	0.0%	100.0%
1,743	2	0.0%	100.0%
1,744	1	0.0%	100.0%
1,747	1	0.0%	100.0%
1,753	1	0.0%	100.0%
1,754	1	0.0%	100.0%
1,756	1	0.0%	100.0%
1,757	4	0.0%	100.0%
1,760	2	0.0%	100.0%
1,762	2	0.0%	100.0%
1,765	3	0.0%	100.0%
1,766	1	0.0%	100.0%
1,768	1	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
1,769	1	0.0%	100.0%
1,776	1	0.0%	100.0%
1,781	1	0.0%	100.0%
1,783	2	0.0%	100.0%
1,784	1	0.0%	100.0%
1,785	1	0.0%	100.0%
1,786	1	0.0%	100.0%
1,787	2	0.0%	100.0%
1,788	1	0.0%	100.0%
1,789	1	0.0%	100.0%
1,795	1	0.0%	100.0%
1,797	1	0.0%	100.0%
1,799	1	0.0%	100.0%
1,801	3	0.0%	100.0%
1,803	2	0.0%	100.0%
1,804	1	0.0%	100.0%
1,807	1	0.0%	100.0%
1,812	1	0.0%	100.0%
1,813	4	0.0%	100.0%
1,816	1	0.0%	100.0%
1,818	1	0.0%	100.0%
1,819	2	0.0%	100.0%
1,820	1	0.0%	100.0%
1,825	2	0.0%	100.0%
1,826	1	0.0%	100.0%
1,827	1	0.0%	100.0%
1,829	3	0.0%	100.0%
1,830	1	0.0%	100.0%
1,831	1	0.0%	100.0%
1,835	1	0.0%	100.0%
1,836	2	0.0%	100.0%
1,837	2	0.0%	100.0%
1,839	1	0.0%	100.0%
1,840	2	0.0%	100.0%
1,842	1	0.0%	100.0%
1,843	2	0.0%	100.0%
1,844	2	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
1,845	1	0.0%	100.0%
1,846	1	0.0%	100.0%
1,847	1	0.0%	100.0%
1,848	1	0.0%	100.0%
1,850	1	0.0%	100.0%
1,859	1	0.0%	100.0%
1,861	2	0.0%	100.0%
1,863	1	0.0%	100.0%
1,864	1	0.0%	100.0%
1,866	1	0.0%	100.0%
1,867	3	0.0%	100.0%
1,868	1	0.0%	100.0%
1,878	1	0.0%	100.0%
1,880	1	0.0%	100.0%
1,882	1	0.0%	100.0%
1,886	1	0.0%	100.0%
1,887	1	0.0%	100.0%
1,889	1	0.0%	100.0%
1,890	2	0.0%	100.0%
1,891	1	0.0%	100.0%
1,892	2	0.0%	100.0%
1,894	1	0.0%	100.0%
1,895	2	0.0%	100.0%
1,897	1	0.0%	100.0%
1,901	1	0.0%	100.0%
1,903	1	0.0%	100.0%
1,904	1	0.0%	100.0%
1,909	1	0.0%	100.0%
1,910	2	0.0%	100.0%
1,913	1	0.0%	100.0%
1,914	1	0.0%	100.0%
1,915	1	0.0%	100.0%
1,919	1	0.0%	100.0%
1,924	1	0.0%	100.0%
1,926	1	0.0%	100.0%
1,931	1	0.0%	100.0%
1,932	1	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
1,933	2	0.0%	100.0%
1,936	1	0.0%	100.0%
1,940	1	0.0%	100.0%
1,941	2	0.0%	100.0%
1,943	2	0.0%	100.0%
1,945	2	0.0%	100.0%
1,946	2	0.0%	100.0%
1,949	1	0.0%	100.0%
1,950	3	0.0%	100.0%
1,951	1	0.0%	100.0%
1,952	2	0.0%	100.0%
1,953	1	0.0%	100.0%
1,957	2	0.0%	100.0%
1,958	1	0.0%	100.0%
1,968	1	0.0%	100.0%
1,969	2	0.0%	100.0%
1,971	1	0.0%	100.0%
1,975	1	0.0%	100.0%
1,977	1	0.0%	100.0%
1,978	1	0.0%	100.0%
1,980	1	0.0%	100.0%
1,981	1	0.0%	100.0%
1,985	1	0.0%	100.0%
1,986	2	0.0%	100.0%
1,987	1	0.0%	100.0%
1,989	2	0.0%	100.0%
1,990	1	0.0%	100.0%
1,992	2	0.0%	100.0%
1,993	2	0.0%	100.0%
1,994	1	0.0%	100.0%
1,995	3	0.0%	100.0%
1,997	1	0.0%	100.0%
1,998	2	0.0%	100.0%
1,999	3	0.0%	100.0%
2,000	3	0.0%	100.0%
2,001	1	0.0%	100.0%
2,002	1	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
2,003	1	0.0%	100.0%
2,005	1	0.0%	100.0%
2,007	1	0.0%	100.0%
2,008	1	0.0%	100.0%
2,009	1	0.0%	100.0%
2,010	1	0.0%	100.0%
2,011	1	0.0%	100.0%
2,012	3	0.0%	100.0%
2,013	3	0.0%	100.0%
2,014	2	0.0%	100.0%
2,015	4	0.0%	100.0%
2,016	2	0.0%	100.0%
2,017	5	0.0%	100.0%
2,018	3	0.0%	100.0%
2,019	3	0.0%	100.0%
2,020	2	0.0%	100.0%
2,021	1	0.0%	100.0%
2,022	2	0.0%	100.0%
2,023	2	0.0%	100.0%
2,024	1	0.0%	100.0%
2,025	2	0.0%	100.0%
2,026	4	0.0%	100.0%
2,027	6	0.0%	100.0%
2,028	4	0.0%	100.0%
2,029	7	0.0%	100.0%
2,030	11	0.0%	100.0%
2,031	4	0.0%	100.0%
2,032	10	0.0%	100.0%
2,033	8	0.0%	100.0%
2,034	12	0.0%	100.0%

1.6 Distribution of matched read length

Length	Count	Percentage	Cummulative Percentage
25	304,271	0.3%	0.3%
26	375,917	0.3%	0.6%
27	512,937	0.4%	1.0%

Length	Count	Percentage	Cummulative Percentage
28	414,300	0.4%	1.4%
29	507,736	0.4%	1.8%
30	529,150	0.5%	2.3%
31	554,846	0.5%	2.7%
32	578,185	0.5%	3.2%
33	819,847	0.7%	3.9%
34	1,319,010	1.1%	5.1%
35	932,630	0.8%	5.9%
36	61,726,535	52.7%	58.6%
37	478,217	0.4%	59.0%
38	577,468	0.5%	59.5%
39	742,960	0.6%	60.1%
40	757,136	0.6%	60.8%
41	541,888	0.5%	61.2%
42	374,839	0.3%	61.5%
43	266,178	0.2%	61.8%
44	253,575	0.2%	62.0%
45	301,107	0.3%	62.2%
46	195,629	0.2%	62.4%
47	168,269	0.1%	62.6%
48	178,323	0.2%	62.7%
49	256,932	0.2%	62.9%
50	334,230	0.3%	63.2%
51	204,826	0.2%	63.4%
52	240,637	0.2%	63.6%
53	248,902	0.2%	63.8%
54	293,260	0.3%	64.1%
55	382,628	0.3%	64.4%
56	239,407	0.2%	64.6%
57	327,301	0.3%	64.9%
58	345,780	0.3%	65.2%
59	512,852	0.4%	65.6%
60	450,310	0.4%	66.0%
61	412,240	0.4%	66.3%
62	442,807	0.4%	66.7%
63	1,025,194	0.9%	67.6%
64	916,701	0.8%	68.4%

Length	Count	Percentage	Cummulative Percentage
65	1,078,311	0.9%	69.3%
66	2,578,488	2.2%	71.5%
67	1,042,573	0.9%	72.4%
68	797,881	0.7%	73.1%
69	10,283,803	8.8%	81.9%
70	1,224,588	1.0%	82.9%
71	19,742,165	16.9%	99.8%
100	46	0.0%	99.8%
101	42	0.0%	99.8%
102	37	0.0%	99.8%
103	33	0.0%	99.8%
104	52	0.0%	99.8%
105	33	0.0%	99.8%
106	37	0.0%	99.8%
107	49	0.0%	99.8%
108	47	0.0%	99.8%
109	44	0.0%	99.8%
110	48	0.0%	99.8%
111	53	0.0%	99.8%
112	40	0.0%	99.8%
113	54	0.0%	99.8%
114	54	0.0%	99.8%
115	41	0.0%	99.8%
116	42	0.0%	99.8%
117	63	0.0%	99.8%
118	64	0.0%	99.8%
119	98	0.0%	99.8%
120	117	0.0%	99.8%
121	57	0.0%	99.8%
122	45	0.0%	99.8%
123	45	0.0%	99.8%
124	66	0.0%	99.8%
125	64	0.0%	99.8%
126	47	0.0%	99.8%
127	55	0.0%	99.8%
128	42	0.0%	99.8%
129	34	0.0%	99.8%

Length	Count	Percentage	Cummulative Percentage
130	36	0.0%	99.8%
131	34	0.0%	99.8%
132	35	0.0%	99.8%
133	30	0.0%	99.8%
134	20	0.0%	99.8%
135	30	0.0%	99.8%
136	40	0.0%	99.8%
137	68	0.0%	99.8%
138	44	0.0%	99.8%
139	61	0.0%	99.8%
140	64	0.0%	99.8%
141	39	0.0%	99.8%
142	25	0.0%	99.8%
143	30	0.0%	99.8%
144	49	0.0%	99.8%
145	75	0.0%	99.8%
146	60	0.0%	99.8%
147	30	0.0%	99.8%
148	38	0.0%	99.8%
149	37	0.0%	99.8%
150	29	0.0%	99.8%
151	26	0.0%	99.8%
152	32	0.0%	99.8%
153	30	0.0%	99.8%
154	49	0.0%	99.8%
155	43	0.0%	99.8%
156	44	0.0%	99.8%
157	56	0.0%	99.8%
158	53	0.0%	99.8%
159	73	0.0%	99.8%
160	110	0.0%	99.8%
161	147	0.0%	99.8%
162	161	0.0%	99.8%
163	258	0.0%	99.8%
164	231	0.0%	99.8%
165	267	0.0%	99.8%
166	305	0.0%	99.8%

Length	Count	Percentage	Cummulative Percentage
167	351	0.0%	99.8%
168	361	0.0%	99.8%
169	381	0.0%	99.8%
170	412	0.0%	99.8%
171	434	0.0%	99.8%
172	466	0.0%	99.8%
173	475	0.0%	99.8%
174	489	0.0%	99.8%
175	507	0.0%	99.8%
176	552	0.0%	99.8%
177	578	0.0%	99.8%
178	629	0.0%	99.8%
179	616	0.0%	99.8%
180	566	0.0%	99.8%
181	658	0.0%	99.8%
182	675	0.0%	99.8%
183	686	0.0%	99.8%
184	701	0.0%	99.8%
185	716	0.0%	99.8%
186	732	0.0%	99.8%
187	744	0.0%	99.8%
188	720	0.0%	99.8%
189	753	0.0%	99.8%
190	710	0.0%	99.8%
191	790	0.0%	99.8%
192	812	0.0%	99.8%
193	783	0.0%	99.8%
194	752	0.0%	99.8%
195	730	0.0%	99.8%
196	762	0.0%	99.8%
197	773	0.0%	99.8%
198	798	0.0%	99.8%
199	803	0.0%	99.8%
200	765	0.0%	99.8%
201	727	0.0%	99.8%
202	747	0.0%	99.8%
203	748	0.0%	99.8%

Length	Count	Percentage	Cummulative Percentage
204	744	0.0%	99.8%
205	768	0.0%	99.8%
206	752	0.0%	99.8%
207	736	0.0%	99.8%
208	687	0.0%	99.8%
209	704	0.0%	99.8%
210	703	0.0%	99.8%
211	692	0.0%	99.8%
212	702	0.0%	99.8%
213	723	0.0%	99.8%
214	699	0.0%	99.8%
215	582	0.0%	99.8%
216	666	0.0%	99.8%
217	677	0.0%	99.8%
218	674	0.0%	99.8%
219	661	0.0%	99.8%
220	669	0.0%	99.8%
221	615	0.0%	99.8%
222	650	0.0%	99.8%
223	669	0.0%	99.8%
224	651	0.0%	99.8%
225	658	0.0%	99.8%
226	645	0.0%	99.8%
227	690	0.0%	99.8%
228	627	0.0%	99.8%
229	656	0.0%	99.8%
230	622	0.0%	99.8%
231	593	0.0%	99.8%
232	636	0.0%	99.8%
233	593	0.0%	99.8%
234	594	0.0%	99.8%
235	572	0.0%	99.8%
236	597	0.0%	99.8%
237	642	0.0%	99.8%
238	638	0.0%	99.8%
239	618	0.0%	99.8%
240	582	0.0%	99.8%

Length	Count	Percentage	Cummulative Percentage
241	596	0.0%	99.8%
242	628	0.0%	99.8%
243	604	0.0%	99.8%
244	599	0.0%	99.8%
245	542	0.0%	99.8%
246	602	0.0%	99.8%
247	589	0.0%	99.8%
248	662	0.0%	99.8%
249	653	0.0%	99.8%
250	564	0.0%	99.8%
251	590	0.0%	99.8%
252	583	0.0%	99.8%
253	571	0.0%	99.8%
254	536	0.0%	99.8%
255	527	0.0%	99.8%
256	552	0.0%	99.8%
257	499	0.0%	99.8%
258	563	0.0%	99.8%
259	542	0.0%	99.8%
260	511	0.0%	99.8%
261	540	0.0%	99.8%
262	536	0.0%	99.8%
263	486	0.0%	99.8%
264	522	0.0%	99.8%
265	511	0.0%	99.8%
266	472	0.0%	99.8%
267	514	0.0%	99.8%
268	545	0.0%	99.8%
269	489	0.0%	99.8%
270	480	0.0%	99.8%
271	484	0.0%	99.8%
272	485	0.0%	99.8%
273	452	0.0%	99.8%
274	463	0.0%	99.8%
275	479	0.0%	99.8%
276	455	0.0%	99.8%
277	431	0.0%	99.8%

Length	Count	Percentage	Cummulative Percentage
278	479	0.0%	99.8%
279	483	0.0%	99.8%
280	466	0.0%	99.8%
281	461	0.0%	99.8%
282	441	0.0%	99.8%
283	458	0.0%	99.8%
284	445	0.0%	99.8%
285	457	0.0%	99.8%
286	417	0.0%	99.8%
287	442	0.0%	99.8%
288	438	0.0%	99.8%
289	413	0.0%	99.8%
290	429	0.0%	99.8%
291	435	0.0%	99.8%
292	412	0.0%	99.8%
293	435	0.0%	99.8%
294	414	0.0%	99.8%
295	426	0.0%	99.8%
296	442	0.0%	99.8%
297	417	0.0%	99.8%
298	388	0.0%	99.8%
299	406	0.0%	99.8%
300	381	0.0%	99.8%
301	398	0.0%	99.8%
302	337	0.0%	99.8%
303	416	0.0%	99.8%
304	395	0.0%	99.8%
305	391	0.0%	99.8%
306	358	0.0%	99.8%
307	381	0.0%	99.8%
308	368	0.0%	99.8%
309	366	0.0%	99.8%
310	352	0.0%	99.8%
311	360	0.0%	99.8%
312	346	0.0%	99.8%
313	358	0.0%	99.8%
314	374	0.0%	99.8%

Length	Count	Percentage	Cummulative Percentage
315	378	0.0%	99.8%
316	362	0.0%	99.8%
317	366	0.0%	99.8%
318	356	0.0%	99.8%
319	322	0.0%	99.8%
320	346	0.0%	99.8%
321	351	0.0%	99.8%
322	334	0.0%	99.8%
323	373	0.0%	99.8%
324	349	0.0%	99.8%
325	329	0.0%	99.8%
326	373	0.0%	99.9%
327	331	0.0%	99.9%
328	344	0.0%	99.9%
329	312	0.0%	99.9%
330	331	0.0%	99.9%
331	288	0.0%	99.9%
332	307	0.0%	99.9%
333	305	0.0%	99.9%
334	303	0.0%	99.9%
335	314	0.0%	99.9%
336	322	0.0%	99.9%
337	323	0.0%	99.9%
338	264	0.0%	99.9%
339	279	0.0%	99.9%
340	299	0.0%	99.9%
341	278	0.0%	99.9%
342	265	0.0%	99.9%
343	271	0.0%	99.9%
344	259	0.0%	99.9%
345	260	0.0%	99.9%
346	268	0.0%	99.9%
347	255	0.0%	99.9%
348	233	0.0%	99.9%
349	233	0.0%	99.9%
350	274	0.0%	99.9%
351	260	0.0%	99.9%

Length	Count	Percentage	Cummulative Percentage
352	247	0.0%	99.9%
353	239	0.0%	99.9%
354	257	0.0%	99.9%
355	227	0.0%	99.9%
356	232	0.0%	99.9%
357	256	0.0%	99.9%
358	229	0.0%	99.9%
359	238	0.0%	99.9%
360	212	0.0%	99.9%
361	208	0.0%	99.9%
362	241	0.0%	99.9%
363	215	0.0%	99.9%
364	242	0.0%	99.9%
365	200	0.0%	99.9%
366	211	0.0%	99.9%
367	202	0.0%	99.9%
368	169	0.0%	99.9%
369	193	0.0%	99.9%
370	217	0.0%	99.9%
371	190	0.0%	99.9%
372	187	0.0%	99.9%
373	193	0.0%	99.9%
374	193	0.0%	99.9%
375	192	0.0%	99.9%
376	184	0.0%	99.9%
377	180	0.0%	99.9%
378	186	0.0%	99.9%
379	169	0.0%	99.9%
380	168	0.0%	99.9%
381	174	0.0%	99.9%
382	160	0.0%	99.9%
383	159	0.0%	99.9%
384	155	0.0%	99.9%
385	185	0.0%	99.9%
386	150	0.0%	99.9%
387	165	0.0%	99.9%
388	164	0.0%	99.9%

Length	Count	Percentage	Cummulative Percentage
389	170	0.0%	99.9%
390	154	0.0%	99.9%
391	172	0.0%	99.9%
392	140	0.0%	99.9%
393	163	0.0%	99.9%
394	141	0.0%	99.9%
395	149	0.0%	99.9%
396	176	0.0%	99.9%
397	169	0.0%	99.9%
398	154	0.0%	99.9%
399	168	0.0%	99.9%
400	201	0.0%	99.9%
401	170	0.0%	99.9%
402	160	0.0%	99.9%
403	169	0.0%	99.9%
404	150	0.0%	99.9%
405	168	0.0%	99.9%
406	166	0.0%	99.9%
407	200	0.0%	99.9%
408	148	0.0%	99.9%
409	158	0.0%	99.9%
410	164	0.0%	99.9%
411	168	0.0%	99.9%
412	160	0.0%	99.9%
413	155	0.0%	99.9%
414	154	0.0%	99.9%
415	160	0.0%	99.9%
416	130	0.0%	99.9%
417	166	0.0%	99.9%
418	165	0.0%	99.9%
419	176	0.0%	99.9%
420	153	0.0%	99.9%
421	160	0.0%	99.9%
422	150	0.0%	99.9%
423	157	0.0%	99.9%
424	155	0.0%	99.9%
425	149	0.0%	99.9%

Length	Count	Percentage	Cummulative Percentage
426	139	0.0%	99.9%
427	180	0.0%	99.9%
428	174	0.0%	99.9%
429	156	0.0%	99.9%
430	164	0.0%	99.9%
431	174	0.0%	99.9%
432	158	0.0%	99.9%
433	153	0.0%	99.9%
434	197	0.0%	99.9%
435	169	0.0%	99.9%
436	168	0.0%	99.9%
437	171	0.0%	99.9%
438	157	0.0%	99.9%
439	167	0.0%	99.9%
440	165	0.0%	99.9%
441	174	0.0%	99.9%
442	182	0.0%	99.9%
443	153	0.0%	99.9%
444	133	0.0%	99.9%
445	176	0.0%	99.9%
446	151	0.0%	99.9%
447	159	0.0%	99.9%
448	195	0.0%	99.9%
449	158	0.0%	99.9%
450	167	0.0%	99.9%
451	187	0.0%	99.9%
452	164	0.0%	99.9%
453	166	0.0%	99.9%
454	166	0.0%	99.9%
455	178	0.0%	99.9%
456	198	0.0%	99.9%
457	169	0.0%	99.9%
458	157	0.0%	99.9%
459	174	0.0%	99.9%
460	173	0.0%	99.9%
461	175	0.0%	99.9%
462	171	0.0%	99.9%

Length	Count	Percentage	Cummulative Percentage
463	186	0.0%	99.9%
464	181	0.0%	99.9%
465	221	0.0%	99.9%
466	212	0.0%	99.9%
467	245	0.0%	99.9%
468	209	0.0%	99.9%
469	246	0.0%	99.9%
470	207	0.0%	99.9%
471	240	0.0%	99.9%
472	245	0.0%	99.9%
473	225	0.0%	99.9%
474	273	0.0%	99.9%
475	280	0.0%	99.9%
476	295	0.0%	99.9%
477	264	0.0%	99.9%
478	335	0.0%	99.9%
479	320	0.0%	99.9%
480	310	0.0%	99.9%
481	335	0.0%	99.9%
482	393	0.0%	99.9%
483	369	0.0%	99.9%
484	363	0.0%	99.9%
485	373	0.0%	99.9%
486	394	0.0%	99.9%
487	438	0.0%	99.9%
488	413	0.0%	99.9%
489	505	0.0%	99.9%
490	486	0.0%	99.9%
491	555	0.0%	99.9%
492	573	0.0%	99.9%
493	568	0.0%	99.9%
494	633	0.0%	99.9%
495	627	0.0%	99.9%
496	693	0.0%	99.9%
497	737	0.0%	99.9%
498	731	0.0%	99.9%
499	770	0.0%	99.9%

Length	Count	Percentage	Cummulative Percentage
500	837	0.0%	99.9%
501	846	0.0%	99.9%
502	942	0.0%	99.9%
503	978	0.0%	99.9%
504	1,088	0.0%	99.9%
505	1,096	0.0%	99.9%
506	1,077	0.0%	99.9%
507	1,099	0.0%	99.9%
508	1,204	0.0%	99.9%
509	1,256	0.0%	99.9%
510	1,323	0.0%	99.9%
511	1,297	0.0%	99.9%
512	1,462	0.0%	99.9%
513	1,414	0.0%	99.9%
514	1,497	0.0%	99.9%
515	1,535	0.0%	99.9%
516	1,532	0.0%	99.9%
517	1,646	0.0%	99.9%
518	1,704	0.0%	99.9%
519	1,654	0.0%	99.9%
520	1,741	0.0%	99.9%
521	1,839	0.0%	99.9%
522	1,859	0.0%	99.9%
523	1,921	0.0%	99.9%
524	1,961	0.0%	99.9%
525	1,934	0.0%	99.9%
526	1,968	0.0%	99.9%
527	1,931	0.0%	99.9%
528	2,006	0.0%	99.9%
529	1,980	0.0%	99.9%
530	2,055	0.0%	99.9%
531	2,080	0.0%	99.9%
532	2,068	0.0%	99.9%
533	2,020	0.0%	99.9%
534	2,054	0.0%	99.9%
535	2,032	0.0%	99.9%
536	1,981	0.0%	99.9%

Length	Count	Percentage	Cummulative Percentage
537	1,982	0.0%	99.9%
538	1,937	0.0%	99.9%
539	1,913	0.0%	99.9%
540	1,898	0.0%	99.9%
541	1,901	0.0%	99.9%
542	1,889	0.0%	99.9%
543	1,804	0.0%	99.9%
544	1,777	0.0%	99.9%
545	1,773	0.0%	100.0%
546	1,788	0.0%	100.0%
547	1,785	0.0%	100.0%
548	1,698	0.0%	100.0%
549	1,694	0.0%	100.0%
550	1,760	0.0%	100.0%
551	1,583	0.0%	100.0%
552	1,603	0.0%	100.0%
553	1,652	0.0%	100.0%
554	1,503	0.0%	100.0%
555	1,517	0.0%	100.0%
556	1,390	0.0%	100.0%
557	1,333	0.0%	100.0%
558	1,360	0.0%	100.0%
559	1,359	0.0%	100.0%
560	1,267	0.0%	100.0%
561	1,178	0.0%	100.0%
562	1,259	0.0%	100.0%
563	1,195	0.0%	100.0%
564	1,137	0.0%	100.0%
565	1,096	0.0%	100.0%
566	1,092	0.0%	100.0%
567	1,048	0.0%	100.0%
568	1,056	0.0%	100.0%
569	919	0.0%	100.0%
570	914	0.0%	100.0%
571	913	0.0%	100.0%
572	870	0.0%	100.0%
573	781	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
574	760	0.0%	100.0%
575	777	0.0%	100.0%
576	742	0.0%	100.0%
577	703	0.0%	100.0%
578	713	0.0%	100.0%
579	618	0.0%	100.0%
580	634	0.0%	100.0%
581	599	0.0%	100.0%
582	554	0.0%	100.0%
583	549	0.0%	100.0%
584	533	0.0%	100.0%
585	506	0.0%	100.0%
586	519	0.0%	100.0%
587	414	0.0%	100.0%
588	456	0.0%	100.0%
589	441	0.0%	100.0%
590	360	0.0%	100.0%
591	386	0.0%	100.0%
592	360	0.0%	100.0%
593	354	0.0%	100.0%
594	347	0.0%	100.0%
595	328	0.0%	100.0%
596	297	0.0%	100.0%
597	289	0.0%	100.0%
598	294	0.0%	100.0%
599	280	0.0%	100.0%
600	278	0.0%	100.0%
601	258	0.0%	100.0%
602	234	0.0%	100.0%
603	234	0.0%	100.0%
604	201	0.0%	100.0%
605	207	0.0%	100.0%
606	211	0.0%	100.0%
607	214	0.0%	100.0%
608	187	0.0%	100.0%
609	220	0.0%	100.0%
610	152	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
611	156	0.0%	100.0%
612	195	0.0%	100.0%
613	144	0.0%	100.0%
614	132	0.0%	100.0%
615	173	0.0%	100.0%
616	149	0.0%	100.0%
617	132	0.0%	100.0%
618	121	0.0%	100.0%
619	136	0.0%	100.0%
620	97	0.0%	100.0%
621	132	0.0%	100.0%
622	116	0.0%	100.0%
623	118	0.0%	100.0%
624	127	0.0%	100.0%
625	95	0.0%	100.0%
626	112	0.0%	100.0%
627	93	0.0%	100.0%
628	109	0.0%	100.0%
629	102	0.0%	100.0%
630	94	0.0%	100.0%
631	79	0.0%	100.0%
632	100	0.0%	100.0%
633	70	0.0%	100.0%
634	68	0.0%	100.0%
635	70	0.0%	100.0%
636	53	0.0%	100.0%
637	67	0.0%	100.0%
638	55	0.0%	100.0%
639	55	0.0%	100.0%
640	71	0.0%	100.0%
641	62	0.0%	100.0%
642	80	0.0%	100.0%
643	63	0.0%	100.0%
644	67	0.0%	100.0%
645	52	0.0%	100.0%
646	49	0.0%	100.0%
647	48	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
648	41	0.0%	100.0%
649	53	0.0%	100.0%
650	48	0.0%	100.0%
651	48	0.0%	100.0%
652	59	0.0%	100.0%
653	50	0.0%	100.0%
654	40	0.0%	100.0%
655	43	0.0%	100.0%
656	42	0.0%	100.0%
657	49	0.0%	100.0%
658	31	0.0%	100.0%
659	41	0.0%	100.0%
660	38	0.0%	100.0%
661	40	0.0%	100.0%
662	32	0.0%	100.0%
663	40	0.0%	100.0%
664	26	0.0%	100.0%
665	41	0.0%	100.0%
666	26	0.0%	100.0%
667	25	0.0%	100.0%
668	34	0.0%	100.0%
669	26	0.0%	100.0%
670	27	0.0%	100.0%
671	34	0.0%	100.0%
672	23	0.0%	100.0%
673	25	0.0%	100.0%
674	29	0.0%	100.0%
675	20	0.0%	100.0%
676	31	0.0%	100.0%
677	22	0.0%	100.0%
678	34	0.0%	100.0%
679	25	0.0%	100.0%
680	23	0.0%	100.0%
681	26	0.0%	100.0%
682	22	0.0%	100.0%
683	29	0.0%	100.0%
684	18	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
685	16	0.0%	100.0%
686	17	0.0%	100.0%
687	15	0.0%	100.0%
688	16	0.0%	100.0%
689	25	0.0%	100.0%
690	19	0.0%	100.0%
691	16	0.0%	100.0%
692	20	0.0%	100.0%
693	20	0.0%	100.0%
694	17	0.0%	100.0%
695	19	0.0%	100.0%
696	18	0.0%	100.0%
697	12	0.0%	100.0%
698	9	0.0%	100.0%
699	13	0.0%	100.0%
700	13	0.0%	100.0%
701	15	0.0%	100.0%
702	12	0.0%	100.0%
703	13	0.0%	100.0%
704	17	0.0%	100.0%
705	8	0.0%	100.0%
706	15	0.0%	100.0%
707	16	0.0%	100.0%
708	13	0.0%	100.0%
709	18	0.0%	100.0%
710	10	0.0%	100.0%
711	10	0.0%	100.0%
712	14	0.0%	100.0%
713	10	0.0%	100.0%
714	11	0.0%	100.0%
715	9	0.0%	100.0%
716	11	0.0%	100.0%
717	6	0.0%	100.0%
718	6	0.0%	100.0%
719	14	0.0%	100.0%
720	9	0.0%	100.0%
721	6	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
722	7	0.0%	100.0%
723	10	0.0%	100.0%
724	6	0.0%	100.0%
725	6	0.0%	100.0%
726	6	0.0%	100.0%
727	3	0.0%	100.0%
728	4	0.0%	100.0%
729	6	0.0%	100.0%
730	9	0.0%	100.0%
731	7	0.0%	100.0%
732	5	0.0%	100.0%
733	3	0.0%	100.0%
734	7	0.0%	100.0%
735	7	0.0%	100.0%
736	6	0.0%	100.0%
737	5	0.0%	100.0%
738	8	0.0%	100.0%
739	5	0.0%	100.0%
740	11	0.0%	100.0%
741	7	0.0%	100.0%
742	6	0.0%	100.0%
743	7	0.0%	100.0%
744	4	0.0%	100.0%
745	7	0.0%	100.0%
746	8	0.0%	100.0%
747	6	0.0%	100.0%
748	12	0.0%	100.0%
749	4	0.0%	100.0%
750	11	0.0%	100.0%
751	7	0.0%	100.0%
752	3	0.0%	100.0%
753	4	0.0%	100.0%
754	4	0.0%	100.0%
755	2	0.0%	100.0%
756	7	0.0%	100.0%
757	6	0.0%	100.0%
758	5	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
759	10	0.0%	100.0%
760	8	0.0%	100.0%
761	3	0.0%	100.0%
762	4	0.0%	100.0%
763	4	0.0%	100.0%
764	1	0.0%	100.0%
765	4	0.0%	100.0%
766	5	0.0%	100.0%
767	3	0.0%	100.0%
768	6	0.0%	100.0%
769	7	0.0%	100.0%
770	10	0.0%	100.0%
771	1	0.0%	100.0%
772	9	0.0%	100.0%
773	3	0.0%	100.0%
774	3	0.0%	100.0%
775	8	0.0%	100.0%
776	4	0.0%	100.0%
777	1	0.0%	100.0%
778	3	0.0%	100.0%
779	5	0.0%	100.0%
780	2	0.0%	100.0%
781	2	0.0%	100.0%
782	1	0.0%	100.0%
783	3	0.0%	100.0%
784	4	0.0%	100.0%
786	1	0.0%	100.0%
787	5	0.0%	100.0%
788	1	0.0%	100.0%
789	6	0.0%	100.0%
790	5	0.0%	100.0%
791	8	0.0%	100.0%
792	3	0.0%	100.0%
793	6	0.0%	100.0%
794	7	0.0%	100.0%
795	3	0.0%	100.0%
796	2	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
797	2	0.0%	100.0%
798	3	0.0%	100.0%
799	8	0.0%	100.0%
800	2	0.0%	100.0%
802	2	0.0%	100.0%
804	2	0.0%	100.0%
805	3	0.0%	100.0%
806	2	0.0%	100.0%
807	5	0.0%	100.0%
808	2	0.0%	100.0%
809	4	0.0%	100.0%
810	4	0.0%	100.0%
811	2	0.0%	100.0%
812	1	0.0%	100.0%
813	6	0.0%	100.0%
814	5	0.0%	100.0%
815	3	0.0%	100.0%
816	4	0.0%	100.0%
817	1	0.0%	100.0%
819	5	0.0%	100.0%
820	2	0.0%	100.0%
821	4	0.0%	100.0%
822	3	0.0%	100.0%
823	4	0.0%	100.0%
824	5	0.0%	100.0%
825	2	0.0%	100.0%
826	3	0.0%	100.0%
827	2	0.0%	100.0%
828	6	0.0%	100.0%
829	3	0.0%	100.0%
830	4	0.0%	100.0%
831	3	0.0%	100.0%
832	5	0.0%	100.0%
833	8	0.0%	100.0%
834	3	0.0%	100.0%
835	2	0.0%	100.0%
836	8	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
837	1	0.0%	100.0%
838	4	0.0%	100.0%
840	4	0.0%	100.0%
841	2	0.0%	100.0%
842	5	0.0%	100.0%
843	3	0.0%	100.0%
844	4	0.0%	100.0%
845	4	0.0%	100.0%
846	1	0.0%	100.0%
847	3	0.0%	100.0%
848	2	0.0%	100.0%
849	6	0.0%	100.0%
850	2	0.0%	100.0%
851	1	0.0%	100.0%
852	5	0.0%	100.0%
853	4	0.0%	100.0%
854	5	0.0%	100.0%
855	4	0.0%	100.0%
856	2	0.0%	100.0%
857	2	0.0%	100.0%
858	1	0.0%	100.0%
859	2	0.0%	100.0%
860	2	0.0%	100.0%
861	3	0.0%	100.0%
862	2	0.0%	100.0%
863	3	0.0%	100.0%
864	3	0.0%	100.0%
865	3	0.0%	100.0%
867	2	0.0%	100.0%
868	1	0.0%	100.0%
869	3	0.0%	100.0%
870	1	0.0%	100.0%
871	4	0.0%	100.0%
873	2	0.0%	100.0%
874	1	0.0%	100.0%
875	4	0.0%	100.0%
876	1	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
877	1	0.0%	100.0%
878	2	0.0%	100.0%
879	1	0.0%	100.0%
880	5	0.0%	100.0%
882	3	0.0%	100.0%
884	2	0.0%	100.0%
885	1	0.0%	100.0%
886	3	0.0%	100.0%
887	2	0.0%	100.0%
888	2	0.0%	100.0%
889	1	0.0%	100.0%
890	4	0.0%	100.0%
891	1	0.0%	100.0%
893	3	0.0%	100.0%
894	2	0.0%	100.0%
895	4	0.0%	100.0%
896	2	0.0%	100.0%
897	4	0.0%	100.0%
898	1	0.0%	100.0%
899	2	0.0%	100.0%
900	2	0.0%	100.0%
901	4	0.0%	100.0%
902	1	0.0%	100.0%
903	2	0.0%	100.0%
904	1	0.0%	100.0%
906	2	0.0%	100.0%
907	1	0.0%	100.0%
909	2	0.0%	100.0%
910	2	0.0%	100.0%
911	1	0.0%	100.0%
912	2	0.0%	100.0%
914	1	0.0%	100.0%
915	2	0.0%	100.0%
917	1	0.0%	100.0%
919	2	0.0%	100.0%
920	1	0.0%	100.0%
921	2	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
922	1	0.0%	100.0%
923	1	0.0%	100.0%
924	1	0.0%	100.0%
925	3	0.0%	100.0%
926	3	0.0%	100.0%
927	1	0.0%	100.0%
928	2	0.0%	100.0%
930	1	0.0%	100.0%
931	1	0.0%	100.0%
932	2	0.0%	100.0%
933	1	0.0%	100.0%
934	1	0.0%	100.0%
935	1	0.0%	100.0%
936	2	0.0%	100.0%
937	1	0.0%	100.0%
938	1	0.0%	100.0%
939	3	0.0%	100.0%
941	1	0.0%	100.0%
942	1	0.0%	100.0%
943	1	0.0%	100.0%
945	1	0.0%	100.0%
946	1	0.0%	100.0%
947	1	0.0%	100.0%
949	3	0.0%	100.0%
950	3	0.0%	100.0%
951	1	0.0%	100.0%
952	3	0.0%	100.0%
954	3	0.0%	100.0%
955	2	0.0%	100.0%
957	1	0.0%	100.0%
961	2	0.0%	100.0%
968	2	0.0%	100.0%
970	2	0.0%	100.0%
974	1	0.0%	100.0%
975	1	0.0%	100.0%
976	2	0.0%	100.0%
977	1	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
980	2	0.0%	100.0%
981	1	0.0%	100.0%
985	1	0.0%	100.0%
988	1	0.0%	100.0%
992	1	0.0%	100.0%
993	1	0.0%	100.0%
994	1	0.0%	100.0%
995	1	0.0%	100.0%
997	1	0.0%	100.0%
998	1	0.0%	100.0%
1,003	1	0.0%	100.0%
1,005	2	0.0%	100.0%
1,008	1	0.0%	100.0%
1,009	3	0.0%	100.0%
1,010	1	0.0%	100.0%
1,012	1	0.0%	100.0%
1,016	1	0.0%	100.0%
1,025	1	0.0%	100.0%
1,034	1	0.0%	100.0%
1,035	1	0.0%	100.0%
1,036	2	0.0%	100.0%
1,039	3	0.0%	100.0%
1,044	1	0.0%	100.0%
1,047	1	0.0%	100.0%
1,048	1	0.0%	100.0%
1,059	1	0.0%	100.0%
1,061	1	0.0%	100.0%
1,063	1	0.0%	100.0%
1,073	1	0.0%	100.0%
1,074	1	0.0%	100.0%
1,075	1	0.0%	100.0%
1,080	1	0.0%	100.0%
1,084	2	0.0%	100.0%
1,089	1	0.0%	100.0%
1,097	1	0.0%	100.0%
1,100	1	0.0%	100.0%
1,101	1	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
1,102	1	0.0%	100.0%
1,110	1	0.0%	100.0%
1,122	2	0.0%	100.0%
1,133	2	0.0%	100.0%
1,135	1	0.0%	100.0%
1,142	2	0.0%	100.0%
1,157	1	0.0%	100.0%
1,159	1	0.0%	100.0%
1,187	2	0.0%	100.0%
1,193	1	0.0%	100.0%
1,209	1	0.0%	100.0%
1,215	1	0.0%	100.0%
1,222	1	0.0%	100.0%
1,223	1	0.0%	100.0%
1,235	1	0.0%	100.0%
1,240	1	0.0%	100.0%
1,246	2	0.0%	100.0%
1,256	1	0.0%	100.0%
1,280	1	0.0%	100.0%
1,282	1	0.0%	100.0%
1,285	1	0.0%	100.0%
1,320	1	0.0%	100.0%
1,324	1	0.0%	100.0%
1,349	1	0.0%	100.0%
1,360	1	0.0%	100.0%
1,361	1	0.0%	100.0%
1,393	1	0.0%	100.0%
1,433	1	0.0%	100.0%
1,440	1	0.0%	100.0%
1,462	1	0.0%	100.0%
1,465	1	0.0%	100.0%
1,474	1	0.0%	100.0%
1,521	1	0.0%	100.0%
1,523	1	0.0%	100.0%
1,547	1	0.0%	100.0%
1,615	1	0.0%	100.0%
1,618	1	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
1,624	1	0.0%	100.0%
1,653	1	0.0%	100.0%
1,664	1	0.0%	100.0%
1,685	1	0.0%	100.0%
1,712	1	0.0%	100.0%
1,739	1	0.0%	100.0%
1,757	1	0.0%	100.0%
1,776	1	0.0%	100.0%
1,795	1	0.0%	100.0%
1,829	1	0.0%	100.0%
1,836	1	0.0%	100.0%
1,890	1	0.0%	100.0%
2,010	1	0.0%	100.0%
2,016	1	0.0%	100.0%
2,027	1	0.0%	100.0%
2,028	1	0.0%	100.0%
2,029	1	0.0%	100.0%

1.7 Distribution of non-matched read length

Length	Count	Percentage	Cummulative Percentage
25	149,011	0.1%	0.1%
26	165,755	0.1%	0.1%
27	159,479	0.1%	0.2%
28	204,860	0.1%	0.3%
29	242,971	0.1%	0.4%
30	296,100	0.1%	0.6%
31	497,200	0.2%	0.8%
32	674,430	0.3%	1.1%
33	865,654	0.4%	1.5%
34	2,562,558	1.2%	2.8%
35	1,115,098	0.5%	3.3%
36	173,139,304	82.4%	85.7%
37	41,213	0.0%	85.8%
38	41,966	0.0%	85.8%
39	51,850	0.0%	85.8%
40	63,969	0.0%	85.8%

Length	Count	Percentage	Cummulative Percentage
41	42,257	0.0%	85.8%
42	44,280	0.0%	85.9%
43	59,759	0.0%	85.9%
44	70,827	0.0%	85.9%
45	101,719	0.0%	86.0%
46	64,173	0.0%	86.0%
47	59,696	0.0%	86.0%
48	69,852	0.0%	86.1%
49	94,896	0.0%	86.1%
50	125,513	0.1%	86.2%
51	84,919	0.0%	86.2%
52	88,731	0.0%	86.3%
53	94,243	0.0%	86.3%
54	117,025	0.1%	86.4%
55	129,329	0.1%	86.4%
56	99,269	0.0%	86.5%
57	109,117	0.1%	86.5%
58	122,160	0.1%	86.6%
59	160,750	0.1%	86.7%
60	156,204	0.1%	86.7%
61	181,805	0.1%	86.8%
62	174,912	0.1%	86.9%
63	216,622	0.1%	87.0%
64	296,573	0.1%	87.1%
65	350,904	0.2%	87.3%
66	388,717	0.2%	87.5%
67	425,702	0.2%	87.7%
68	521,303	0.2%	87.9%
69	8,528,832	4.1%	92.0%
70	1,018,845	0.5%	92.5%
71	15,583,689	7.4%	99.9%
100	12	0.0%	99.9%
101	10	0.0%	99.9%
102	12	0.0%	99.9%
103	10	0.0%	99.9%
104	5	0.0%	99.9%
105	7	0.0%	99.9%

Length	Count	Percentage	Cummulative Percentage
106	17	0.0%	99.9%
107	15	0.0%	99.9%
108	11	0.0%	99.9%
109	7	0.0%	99.9%
110	12	0.0%	99.9%
111	8	0.0%	99.9%
112	7	0.0%	99.9%
113	2	0.0%	99.9%
114	12	0.0%	99.9%
115	7	0.0%	99.9%
116	12	0.0%	99.9%
117	7	0.0%	99.9%
118	5	0.0%	99.9%
119	11	0.0%	99.9%
120	6	0.0%	99.9%
121	6	0.0%	99.9%
122	5	0.0%	99.9%
123	14	0.0%	99.9%
124	9	0.0%	99.9%
125	15	0.0%	99.9%
126	9	0.0%	99.9%
127	10	0.0%	99.9%
128	17	0.0%	99.9%
129	27	0.0%	99.9%
130	12	0.0%	99.9%
131	23	0.0%	99.9%
132	27	0.0%	99.9%
133	25	0.0%	99.9%
134	31	0.0%	99.9%
135	31	0.0%	99.9%
136	34	0.0%	99.9%
137	24	0.0%	99.9%
138	31	0.0%	99.9%
139	24	0.0%	99.9%
140	30	0.0%	99.9%
141	28	0.0%	99.9%
142	36	0.0%	99.9%

Length	Count	Percentage	Cummulative Percentage
143	26	0.0%	99.9%
144	41	0.0%	99.9%
145	36	0.0%	99.9%
146	39	0.0%	99.9%
147	32	0.0%	99.9%
148	30	0.0%	99.9%
149	39	0.0%	99.9%
150	34	0.0%	99.9%
151	55	0.0%	99.9%
152	39	0.0%	99.9%
153	43	0.0%	99.9%
154	43	0.0%	99.9%
155	42	0.0%	99.9%
156	42	0.0%	99.9%
157	36	0.0%	99.9%
158	39	0.0%	99.9%
159	33	0.0%	99.9%
160	41	0.0%	99.9%
161	45	0.0%	99.9%
162	47	0.0%	99.9%
163	42	0.0%	99.9%
164	37	0.0%	99.9%
165	35	0.0%	99.9%
166	40	0.0%	99.9%
167	38	0.0%	99.9%
168	48	0.0%	99.9%
169	43	0.0%	99.9%
170	45	0.0%	99.9%
171	41	0.0%	99.9%
172	35	0.0%	99.9%
173	40	0.0%	99.9%
174	36	0.0%	99.9%
175	38	0.0%	99.9%
176	40	0.0%	99.9%
177	40	0.0%	99.9%
178	51	0.0%	99.9%
179	49	0.0%	99.9%

Length	Count	Percentage	Cummulative Percentage
180	49	0.0%	99.9%
181	64	0.0%	99.9%
182	53	0.0%	99.9%
183	29	0.0%	99.9%
184	42	0.0%	99.9%
185	46	0.0%	99.9%
186	54	0.0%	99.9%
187	59	0.0%	99.9%
188	52	0.0%	99.9%
189	54	0.0%	99.9%
190	39	0.0%	99.9%
191	61	0.0%	99.9%
192	51	0.0%	99.9%
193	49	0.0%	99.9%
194	45	0.0%	99.9%
195	62	0.0%	99.9%
196	44	0.0%	99.9%
197	56	0.0%	99.9%
198	50	0.0%	99.9%
199	42	0.0%	99.9%
200	58	0.0%	99.9%
201	50	0.0%	99.9%
202	56	0.0%	99.9%
203	61	0.0%	99.9%
204	47	0.0%	99.9%
205	52	0.0%	99.9%
206	37	0.0%	99.9%
207	62	0.0%	99.9%
208	59	0.0%	99.9%
209	55	0.0%	99.9%
210	42	0.0%	99.9%
211	44	0.0%	99.9%
212	35	0.0%	99.9%
213	45	0.0%	99.9%
214	47	0.0%	99.9%
215	42	0.0%	99.9%
216	49	0.0%	99.9%

Length	Count	Percentage	Cummulative Percentage
217	40	0.0%	99.9%
218	50	0.0%	99.9%
219	45	0.0%	99.9%
220	41	0.0%	99.9%
221	45	0.0%	99.9%
222	40	0.0%	99.9%
223	58	0.0%	99.9%
224	32	0.0%	99.9%
225	55	0.0%	99.9%
226	35	0.0%	99.9%
227	51	0.0%	99.9%
228	43	0.0%	99.9%
229	40	0.0%	99.9%
230	32	0.0%	99.9%
231	50	0.0%	99.9%
232	40	0.0%	99.9%
233	38	0.0%	99.9%
234	37	0.0%	99.9%
235	33	0.0%	99.9%
236	57	0.0%	99.9%
237	40	0.0%	99.9%
238	53	0.0%	99.9%
239	45	0.0%	99.9%
240	44	0.0%	99.9%
241	45	0.0%	99.9%
242	52	0.0%	99.9%
243	41	0.0%	99.9%
244	38	0.0%	99.9%
245	52	0.0%	99.9%
246	36	0.0%	99.9%
247	48	0.0%	99.9%
248	40	0.0%	99.9%
249	47	0.0%	99.9%
250	47	0.0%	99.9%
251	45	0.0%	99.9%
252	46	0.0%	99.9%
253	44	0.0%	99.9%

Length	Count	Percentage	Cummulative Percentage
254	32	0.0%	99.9%
255	43	0.0%	99.9%
256	47	0.0%	99.9%
257	36	0.0%	99.9%
258	40	0.0%	99.9%
259	35	0.0%	99.9%
260	45	0.0%	99.9%
261	43	0.0%	99.9%
262	38	0.0%	99.9%
263	53	0.0%	99.9%
264	30	0.0%	99.9%
265	29	0.0%	99.9%
266	50	0.0%	99.9%
267	44	0.0%	99.9%
268	42	0.0%	99.9%
269	48	0.0%	99.9%
270	54	0.0%	99.9%
271	47	0.0%	99.9%
272	38	0.0%	99.9%
273	39	0.0%	99.9%
274	47	0.0%	99.9%
275	33	0.0%	99.9%
276	34	0.0%	99.9%
277	35	0.0%	99.9%
278	45	0.0%	99.9%
279	46	0.0%	99.9%
280	51	0.0%	99.9%
281	56	0.0%	99.9%
282	44	0.0%	99.9%
283	47	0.0%	99.9%
284	59	0.0%	99.9%
285	50	0.0%	99.9%
286	40	0.0%	99.9%
287	44	0.0%	99.9%
288	39	0.0%	99.9%
289	57	0.0%	99.9%
290	49	0.0%	99.9%

Length	Count	Percentage	Cummulative Percentage
291	38	0.0%	99.9%
292	54	0.0%	99.9%
293	37	0.0%	99.9%
294	43	0.0%	99.9%
295	38	0.0%	99.9%
296	59	0.0%	99.9%
297	42	0.0%	99.9%
298	59	0.0%	99.9%
299	55	0.0%	99.9%
300	53	0.0%	99.9%
301	41	0.0%	99.9%
302	60	0.0%	99.9%
303	32	0.0%	99.9%
304	39	0.0%	99.9%
305	55	0.0%	99.9%
306	60	0.0%	99.9%
307	44	0.0%	99.9%
308	52	0.0%	99.9%
309	49	0.0%	99.9%
310	49	0.0%	99.9%
311	48	0.0%	99.9%
312	66	0.0%	99.9%
313	46	0.0%	99.9%
314	56	0.0%	99.9%
315	60	0.0%	99.9%
316	60	0.0%	99.9%
317	49	0.0%	99.9%
318	63	0.0%	99.9%
319	52	0.0%	99.9%
320	65	0.0%	99.9%
321	62	0.0%	99.9%
322	68	0.0%	99.9%
323	67	0.0%	99.9%
324	68	0.0%	99.9%
325	82	0.0%	99.9%
326	81	0.0%	99.9%
327	80	0.0%	99.9%

Length	Count	Percentage	Cummulative Percentage
328	72	0.0%	99.9%
329	83	0.0%	99.9%
330	111	0.0%	99.9%
331	77	0.0%	99.9%
332	73	0.0%	99.9%
333	97	0.0%	99.9%
334	98	0.0%	99.9%
335	98	0.0%	99.9%
336	88	0.0%	99.9%
337	116	0.0%	99.9%
338	109	0.0%	99.9%
339	107	0.0%	99.9%
340	114	0.0%	99.9%
341	122	0.0%	99.9%
342	109	0.0%	99.9%
343	130	0.0%	99.9%
344	130	0.0%	99.9%
345	126	0.0%	99.9%
346	107	0.0%	99.9%
347	110	0.0%	99.9%
348	131	0.0%	99.9%
349	140	0.0%	99.9%
350	128	0.0%	99.9%
351	158	0.0%	99.9%
352	150	0.0%	99.9%
353	151	0.0%	99.9%
354	142	0.0%	99.9%
355	158	0.0%	99.9%
356	155	0.0%	99.9%
357	174	0.0%	99.9%
358	168	0.0%	99.9%
359	160	0.0%	99.9%
360	161	0.0%	99.9%
361	140	0.0%	99.9%
362	146	0.0%	99.9%
363	157	0.0%	99.9%
364	146	0.0%	99.9%

Length	Count	Percentage	Cummulative Percentage
365	182	0.0%	99.9%
366	194	0.0%	99.9%
367	212	0.0%	99.9%
368	199	0.0%	99.9%
369	204	0.0%	99.9%
370	182	0.0%	99.9%
371	195	0.0%	99.9%
372	164	0.0%	99.9%
373	200	0.0%	99.9%
374	191	0.0%	99.9%
375	201	0.0%	99.9%
376	233	0.0%	99.9%
377	215	0.0%	99.9%
378	233	0.0%	99.9%
379	220	0.0%	99.9%
380	192	0.0%	99.9%
381	222	0.0%	99.9%
382	213	0.0%	99.9%
383	239	0.0%	99.9%
384	215	0.0%	99.9%
385	212	0.0%	99.9%
386	234	0.0%	99.9%
387	228	0.0%	99.9%
388	235	0.0%	99.9%
389	242	0.0%	99.9%
390	194	0.0%	99.9%
391	219	0.0%	99.9%
392	245	0.0%	99.9%
393	212	0.0%	99.9%
394	255	0.0%	99.9%
395	233	0.0%	99.9%
396	227	0.0%	99.9%
397	237	0.0%	99.9%
398	247	0.0%	99.9%
399	237	0.0%	99.9%
400	241	0.0%	99.9%
401	261	0.0%	99.9%

Length	Count	Percentage	Cummulative Percentage
402	244	0.0%	99.9%
403	261	0.0%	99.9%
404	260	0.0%	99.9%
405	228	0.0%	99.9%
406	248	0.0%	99.9%
407	259	0.0%	99.9%
408	279	0.0%	99.9%
409	237	0.0%	99.9%
410	227	0.0%	99.9%
411	245	0.0%	99.9%
412	218	0.0%	99.9%
413	259	0.0%	99.9%
414	247	0.0%	99.9%
415	225	0.0%	99.9%
416	273	0.0%	99.9%
417	238	0.0%	99.9%
418	253	0.0%	99.9%
419	283	0.0%	99.9%
420	258	0.0%	99.9%
421	274	0.0%	99.9%
422	260	0.0%	99.9%
423	260	0.0%	99.9%
424	239	0.0%	99.9%
425	290	0.0%	99.9%
426	263	0.0%	99.9%
427	266	0.0%	99.9%
428	265	0.0%	99.9%
429	265	0.0%	99.9%
430	289	0.0%	99.9%
431	261	0.0%	99.9%
432	276	0.0%	99.9%
433	265	0.0%	99.9%
434	249	0.0%	99.9%
435	271	0.0%	99.9%
436	267	0.0%	99.9%
437	278	0.0%	99.9%
438	278	0.0%	99.9%

Length	Count	Percentage	Cummulative Percentage
439	280	0.0%	99.9%
440	284	0.0%	99.9%
441	296	0.0%	99.9%
442	258	0.0%	99.9%
443	269	0.0%	99.9%
444	318	0.0%	99.9%
445	257	0.0%	99.9%
446	287	0.0%	99.9%
447	259	0.0%	99.9%
448	279	0.0%	99.9%
449	306	0.0%	99.9%
450	282	0.0%	99.9%
451	271	0.0%	99.9%
452	290	0.0%	99.9%
453	264	0.0%	99.9%
454	305	0.0%	99.9%
455	296	0.0%	99.9%
456	314	0.0%	99.9%
457	270	0.0%	99.9%
458	275	0.0%	99.9%
459	322	0.0%	99.9%
460	325	0.0%	99.9%
461	277	0.0%	99.9%
462	311	0.0%	99.9%
463	319	0.0%	99.9%
464	299	0.0%	99.9%
465	334	0.0%	99.9%
466	309	0.0%	99.9%
467	353	0.0%	99.9%
468	317	0.0%	99.9%
469	315	0.0%	99.9%
470	336	0.0%	99.9%
471	341	0.0%	99.9%
472	328	0.0%	99.9%
473	338	0.0%	99.9%
474	360	0.0%	99.9%
475	341	0.0%	99.9%

Length	Count	Percentage	Cummulative Percentage
476	344	0.0%	99.9%
477	390	0.0%	99.9%
478	375	0.0%	99.9%
479	391	0.0%	99.9%
480	403	0.0%	99.9%
481	420	0.0%	99.9%
482	403	0.0%	99.9%
483	451	0.0%	99.9%
484	487	0.0%	99.9%
485	459	0.0%	99.9%
486	529	0.0%	99.9%
487	448	0.0%	99.9%
488	497	0.0%	99.9%
489	527	0.0%	99.9%
490	512	0.0%	99.9%
491	535	0.0%	99.9%
492	571	0.0%	99.9%
493	581	0.0%	99.9%
494	586	0.0%	99.9%
495	637	0.0%	99.9%
496	617	0.0%	99.9%
497	702	0.0%	99.9%
498	702	0.0%	99.9%
499	713	0.0%	99.9%
500	748	0.0%	99.9%
501	764	0.0%	99.9%
502	755	0.0%	99.9%
503	918	0.0%	99.9%
504	845	0.0%	99.9%
505	904	0.0%	99.9%
506	971	0.0%	99.9%
507	970	0.0%	99.9%
508	1,024	0.0%	99.9%
509	1,069	0.0%	99.9%
510	1,026	0.0%	99.9%
511	1,108	0.0%	99.9%
512	1,164	0.0%	99.9%

Length	Count	Percentage	Cummulative Percentage
513	1,128	0.0%	99.9%
514	1,093	0.0%	99.9%
515	1,144	0.0%	99.9%
516	1,236	0.0%	99.9%
517	1,204	0.0%	99.9%
518	1,272	0.0%	99.9%
519	1,361	0.0%	99.9%
520	1,342	0.0%	99.9%
521	1,327	0.0%	99.9%
522	1,340	0.0%	99.9%
523	1,420	0.0%	99.9%
524	1,439	0.0%	99.9%
525	1,440	0.0%	99.9%
526	1,440	0.0%	99.9%
527	1,517	0.0%	100.0%
528	1,465	0.0%	100.0%
529	1,499	0.0%	100.0%
530	1,511	0.0%	100.0%
531	1,494	0.0%	100.0%
532	1,560	0.0%	100.0%
533	1,570	0.0%	100.0%
534	1,596	0.0%	100.0%
535	1,541	0.0%	100.0%
536	1,585	0.0%	100.0%
537	1,498	0.0%	100.0%
538	1,588	0.0%	100.0%
539	1,580	0.0%	100.0%
540	1,529	0.0%	100.0%
541	1,595	0.0%	100.0%
542	1,563	0.0%	100.0%
543	1,575	0.0%	100.0%
544	1,529	0.0%	100.0%
545	1,493	0.0%	100.0%
546	1,512	0.0%	100.0%
547	1,515	0.0%	100.0%
548	1,474	0.0%	100.0%
549	1,437	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
550	1,420	0.0%	100.0%
551	1,447	0.0%	100.0%
552	1,424	0.0%	100.0%
553	1,450	0.0%	100.0%
554	1,441	0.0%	100.0%
555	1,424	0.0%	100.0%
556	1,406	0.0%	100.0%
557	1,311	0.0%	100.0%
558	1,330	0.0%	100.0%
559	1,280	0.0%	100.0%
560	1,264	0.0%	100.0%
561	1,191	0.0%	100.0%
562	1,184	0.0%	100.0%
563	1,197	0.0%	100.0%
564	1,037	0.0%	100.0%
565	1,129	0.0%	100.0%
566	1,091	0.0%	100.0%
567	1,034	0.0%	100.0%
568	999	0.0%	100.0%
569	948	0.0%	100.0%
570	984	0.0%	100.0%
571	930	0.0%	100.0%
572	859	0.0%	100.0%
573	958	0.0%	100.0%
574	887	0.0%	100.0%
575	802	0.0%	100.0%
576	746	0.0%	100.0%
577	751	0.0%	100.0%
578	776	0.0%	100.0%
579	719	0.0%	100.0%
580	715	0.0%	100.0%
581	685	0.0%	100.0%
582	675	0.0%	100.0%
583	650	0.0%	100.0%
584	676	0.0%	100.0%
585	662	0.0%	100.0%
586	590	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
587	603	0.0%	100.0%
588	565	0.0%	100.0%
589	547	0.0%	100.0%
590	522	0.0%	100.0%
591	526	0.0%	100.0%
592	500	0.0%	100.0%
593	500	0.0%	100.0%
594	500	0.0%	100.0%
595	443	0.0%	100.0%
596	459	0.0%	100.0%
597	448	0.0%	100.0%
598	401	0.0%	100.0%
599	405	0.0%	100.0%
600	402	0.0%	100.0%
601	365	0.0%	100.0%
602	345	0.0%	100.0%
603	354	0.0%	100.0%
604	350	0.0%	100.0%
605	339	0.0%	100.0%
606	317	0.0%	100.0%
607	298	0.0%	100.0%
608	309	0.0%	100.0%
609	303	0.0%	100.0%
610	283	0.0%	100.0%
611	262	0.0%	100.0%
612	282	0.0%	100.0%
613	253	0.0%	100.0%
614	245	0.0%	100.0%
615	280	0.0%	100.0%
616	239	0.0%	100.0%
617	238	0.0%	100.0%
618	238	0.0%	100.0%
619	215	0.0%	100.0%
620	191	0.0%	100.0%
621	202	0.0%	100.0%
622	205	0.0%	100.0%
623	224	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
624	197	0.0%	100.0%
625	210	0.0%	100.0%
626	213	0.0%	100.0%
627	210	0.0%	100.0%
628	224	0.0%	100.0%
629	201	0.0%	100.0%
630	180	0.0%	100.0%
631	170	0.0%	100.0%
632	174	0.0%	100.0%
633	155	0.0%	100.0%
634	180	0.0%	100.0%
635	174	0.0%	100.0%
636	163	0.0%	100.0%
637	162	0.0%	100.0%
638	164	0.0%	100.0%
639	146	0.0%	100.0%
640	154	0.0%	100.0%
641	147	0.0%	100.0%
642	130	0.0%	100.0%
643	130	0.0%	100.0%
644	148	0.0%	100.0%
645	150	0.0%	100.0%
646	138	0.0%	100.0%
647	142	0.0%	100.0%
648	117	0.0%	100.0%
649	135	0.0%	100.0%
650	138	0.0%	100.0%
651	108	0.0%	100.0%
652	124	0.0%	100.0%
653	113	0.0%	100.0%
654	129	0.0%	100.0%
655	107	0.0%	100.0%
656	106	0.0%	100.0%
657	99	0.0%	100.0%
658	120	0.0%	100.0%
659	119	0.0%	100.0%
660	109	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
661	93	0.0%	100.0%
662	120	0.0%	100.0%
663	105	0.0%	100.0%
664	98	0.0%	100.0%
665	101	0.0%	100.0%
666	102	0.0%	100.0%
667	100	0.0%	100.0%
668	101	0.0%	100.0%
669	93	0.0%	100.0%
670	90	0.0%	100.0%
671	77	0.0%	100.0%
672	77	0.0%	100.0%
673	82	0.0%	100.0%
674	103	0.0%	100.0%
675	93	0.0%	100.0%
676	92	0.0%	100.0%
677	87	0.0%	100.0%
678	84	0.0%	100.0%
679	81	0.0%	100.0%
680	83	0.0%	100.0%
681	69	0.0%	100.0%
682	76	0.0%	100.0%
683	77	0.0%	100.0%
684	83	0.0%	100.0%
685	87	0.0%	100.0%
686	74	0.0%	100.0%
687	75	0.0%	100.0%
688	78	0.0%	100.0%
689	73	0.0%	100.0%
690	63	0.0%	100.0%
691	67	0.0%	100.0%
692	63	0.0%	100.0%
693	75	0.0%	100.0%
694	63	0.0%	100.0%
695	58	0.0%	100.0%
696	51	0.0%	100.0%
697	55	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
698	59	0.0%	100.0%
699	56	0.0%	100.0%
700	61	0.0%	100.0%
701	52	0.0%	100.0%
702	56	0.0%	100.0%
703	60	0.0%	100.0%
704	58	0.0%	100.0%
705	47	0.0%	100.0%
706	62	0.0%	100.0%
707	47	0.0%	100.0%
708	59	0.0%	100.0%
709	51	0.0%	100.0%
710	57	0.0%	100.0%
711	66	0.0%	100.0%
712	41	0.0%	100.0%
713	49	0.0%	100.0%
714	67	0.0%	100.0%
715	41	0.0%	100.0%
716	56	0.0%	100.0%
717	46	0.0%	100.0%
718	41	0.0%	100.0%
719	53	0.0%	100.0%
720	64	0.0%	100.0%
721	46	0.0%	100.0%
722	52	0.0%	100.0%
723	39	0.0%	100.0%
724	46	0.0%	100.0%
725	42	0.0%	100.0%
726	58	0.0%	100.0%
727	49	0.0%	100.0%
728	46	0.0%	100.0%
729	46	0.0%	100.0%
730	49	0.0%	100.0%
731	50	0.0%	100.0%
732	42	0.0%	100.0%
733	36	0.0%	100.0%
734	46	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
735	35	0.0%	100.0%
736	53	0.0%	100.0%
737	39	0.0%	100.0%
738	37	0.0%	100.0%
739	33	0.0%	100.0%
740	33	0.0%	100.0%
741	34	0.0%	100.0%
742	51	0.0%	100.0%
743	47	0.0%	100.0%
744	37	0.0%	100.0%
745	46	0.0%	100.0%
746	26	0.0%	100.0%
747	30	0.0%	100.0%
748	40	0.0%	100.0%
749	35	0.0%	100.0%
750	41	0.0%	100.0%
751	50	0.0%	100.0%
752	40	0.0%	100.0%
753	28	0.0%	100.0%
754	36	0.0%	100.0%
755	38	0.0%	100.0%
756	33	0.0%	100.0%
757	45	0.0%	100.0%
758	35	0.0%	100.0%
759	26	0.0%	100.0%
760	37	0.0%	100.0%
761	34	0.0%	100.0%
762	32	0.0%	100.0%
763	30	0.0%	100.0%
764	36	0.0%	100.0%
765	30	0.0%	100.0%
766	46	0.0%	100.0%
767	31	0.0%	100.0%
768	36	0.0%	100.0%
769	39	0.0%	100.0%
770	37	0.0%	100.0%
771	34	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
772	38	0.0%	100.0%
773	26	0.0%	100.0%
774	37	0.0%	100.0%
775	32	0.0%	100.0%
776	31	0.0%	100.0%
777	17	0.0%	100.0%
778	25	0.0%	100.0%
779	30	0.0%	100.0%
780	38	0.0%	100.0%
781	27	0.0%	100.0%
782	14	0.0%	100.0%
783	37	0.0%	100.0%
784	32	0.0%	100.0%
785	33	0.0%	100.0%
786	38	0.0%	100.0%
787	32	0.0%	100.0%
788	38	0.0%	100.0%
789	31	0.0%	100.0%
790	32	0.0%	100.0%
791	26	0.0%	100.0%
792	29	0.0%	100.0%
793	26	0.0%	100.0%
794	20	0.0%	100.0%
795	36	0.0%	100.0%
796	29	0.0%	100.0%
797	36	0.0%	100.0%
798	33	0.0%	100.0%
799	27	0.0%	100.0%
800	35	0.0%	100.0%
801	31	0.0%	100.0%
802	43	0.0%	100.0%
803	37	0.0%	100.0%
804	33	0.0%	100.0%
805	26	0.0%	100.0%
806	21	0.0%	100.0%
807	23	0.0%	100.0%
808	36	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
809	24	0.0%	100.0%
810	29	0.0%	100.0%
811	21	0.0%	100.0%
812	27	0.0%	100.0%
813	25	0.0%	100.0%
814	35	0.0%	100.0%
815	30	0.0%	100.0%
816	25	0.0%	100.0%
817	27	0.0%	100.0%
818	28	0.0%	100.0%
819	29	0.0%	100.0%
820	30	0.0%	100.0%
821	18	0.0%	100.0%
822	42	0.0%	100.0%
823	30	0.0%	100.0%
824	39	0.0%	100.0%
825	24	0.0%	100.0%
826	34	0.0%	100.0%
827	30	0.0%	100.0%
828	28	0.0%	100.0%
829	35	0.0%	100.0%
830	30	0.0%	100.0%
831	28	0.0%	100.0%
832	27	0.0%	100.0%
833	28	0.0%	100.0%
834	28	0.0%	100.0%
835	22	0.0%	100.0%
836	22	0.0%	100.0%
837	36	0.0%	100.0%
838	22	0.0%	100.0%
839	37	0.0%	100.0%
840	24	0.0%	100.0%
841	28	0.0%	100.0%
842	36	0.0%	100.0%
843	32	0.0%	100.0%
844	19	0.0%	100.0%
845	28	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
846	29	0.0%	100.0%
847	23	0.0%	100.0%
848	26	0.0%	100.0%
849	33	0.0%	100.0%
850	29	0.0%	100.0%
851	26	0.0%	100.0%
852	27	0.0%	100.0%
853	32	0.0%	100.0%
854	30	0.0%	100.0%
855	34	0.0%	100.0%
856	37	0.0%	100.0%
857	39	0.0%	100.0%
858	28	0.0%	100.0%
859	31	0.0%	100.0%
860	35	0.0%	100.0%
861	29	0.0%	100.0%
862	25	0.0%	100.0%
863	18	0.0%	100.0%
864	31	0.0%	100.0%
865	25	0.0%	100.0%
866	20	0.0%	100.0%
867	22	0.0%	100.0%
868	21	0.0%	100.0%
869	28	0.0%	100.0%
870	34	0.0%	100.0%
871	25	0.0%	100.0%
872	23	0.0%	100.0%
873	26	0.0%	100.0%
874	20	0.0%	100.0%
875	23	0.0%	100.0%
876	27	0.0%	100.0%
877	13	0.0%	100.0%
878	25	0.0%	100.0%
879	27	0.0%	100.0%
880	21	0.0%	100.0%
881	24	0.0%	100.0%
882	24	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
883	22	0.0%	100.0%
884	19	0.0%	100.0%
885	27	0.0%	100.0%
886	14	0.0%	100.0%
887	27	0.0%	100.0%
888	34	0.0%	100.0%
889	21	0.0%	100.0%
890	28	0.0%	100.0%
891	19	0.0%	100.0%
892	23	0.0%	100.0%
893	14	0.0%	100.0%
894	24	0.0%	100.0%
895	18	0.0%	100.0%
896	12	0.0%	100.0%
897	15	0.0%	100.0%
898	14	0.0%	100.0%
899	20	0.0%	100.0%
900	15	0.0%	100.0%
901	17	0.0%	100.0%
902	19	0.0%	100.0%
903	15	0.0%	100.0%
904	21	0.0%	100.0%
905	25	0.0%	100.0%
906	19	0.0%	100.0%
907	17	0.0%	100.0%
908	18	0.0%	100.0%
909	14	0.0%	100.0%
910	19	0.0%	100.0%
911	15	0.0%	100.0%
912	19	0.0%	100.0%
913	25	0.0%	100.0%
914	17	0.0%	100.0%
915	17	0.0%	100.0%
916	21	0.0%	100.0%
917	20	0.0%	100.0%
918	19	0.0%	100.0%
919	14	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
920	10	0.0%	100.0%
921	18	0.0%	100.0%
922	21	0.0%	100.0%
923	11	0.0%	100.0%
924	18	0.0%	100.0%
925	11	0.0%	100.0%
926	20	0.0%	100.0%
927	27	0.0%	100.0%
928	15	0.0%	100.0%
929	11	0.0%	100.0%
930	20	0.0%	100.0%
931	14	0.0%	100.0%
932	17	0.0%	100.0%
933	8	0.0%	100.0%
934	11	0.0%	100.0%
935	17	0.0%	100.0%
936	14	0.0%	100.0%
937	18	0.0%	100.0%
938	5	0.0%	100.0%
939	11	0.0%	100.0%
940	20	0.0%	100.0%
941	12	0.0%	100.0%
942	13	0.0%	100.0%
943	22	0.0%	100.0%
944	11	0.0%	100.0%
945	16	0.0%	100.0%
946	13	0.0%	100.0%
947	13	0.0%	100.0%
948	14	0.0%	100.0%
949	16	0.0%	100.0%
950	14	0.0%	100.0%
951	16	0.0%	100.0%
952	11	0.0%	100.0%
953	16	0.0%	100.0%
954	14	0.0%	100.0%
955	24	0.0%	100.0%
956	15	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
957	11	0.0%	100.0%
958	16	0.0%	100.0%
959	10	0.0%	100.0%
960	11	0.0%	100.0%
961	13	0.0%	100.0%
962	12	0.0%	100.0%
963	13	0.0%	100.0%
964	5	0.0%	100.0%
965	6	0.0%	100.0%
966	15	0.0%	100.0%
967	9	0.0%	100.0%
968	13	0.0%	100.0%
969	13	0.0%	100.0%
970	11	0.0%	100.0%
971	14	0.0%	100.0%
972	10	0.0%	100.0%
973	15	0.0%	100.0%
974	10	0.0%	100.0%
975	10	0.0%	100.0%
976	14	0.0%	100.0%
977	11	0.0%	100.0%
978	12	0.0%	100.0%
979	7	0.0%	100.0%
980	10	0.0%	100.0%
981	9	0.0%	100.0%
982	9	0.0%	100.0%
983	13	0.0%	100.0%
984	4	0.0%	100.0%
985	5	0.0%	100.0%
986	8	0.0%	100.0%
987	7	0.0%	100.0%
988	12	0.0%	100.0%
989	11	0.0%	100.0%
990	10	0.0%	100.0%
991	14	0.0%	100.0%
992	11	0.0%	100.0%
993	7	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
994	9	0.0%	100.0%
995	5	0.0%	100.0%
996	5	0.0%	100.0%
997	7	0.0%	100.0%
998	7	0.0%	100.0%
999	5	0.0%	100.0%
1,000	12	0.0%	100.0%
1,001	8	0.0%	100.0%
1,002	7	0.0%	100.0%
1,003	11	0.0%	100.0%
1,004	3	0.0%	100.0%
1,005	6	0.0%	100.0%
1,006	11	0.0%	100.0%
1,007	4	0.0%	100.0%
1,008	8	0.0%	100.0%
1,009	6	0.0%	100.0%
1,010	11	0.0%	100.0%
1,011	15	0.0%	100.0%
1,012	5	0.0%	100.0%
1,013	2	0.0%	100.0%
1,014	10	0.0%	100.0%
1,015	6	0.0%	100.0%
1,016	6	0.0%	100.0%
1,017	5	0.0%	100.0%
1,018	5	0.0%	100.0%
1,019	9	0.0%	100.0%
1,020	7	0.0%	100.0%
1,021	3	0.0%	100.0%
1,022	6	0.0%	100.0%
1,023	8	0.0%	100.0%
1,024	8	0.0%	100.0%
1,025	8	0.0%	100.0%
1,026	6	0.0%	100.0%
1,027	5	0.0%	100.0%
1,028	7	0.0%	100.0%
1,029	10	0.0%	100.0%
1,030	10	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
1,031	7	0.0%	100.0%
1,032	2	0.0%	100.0%
1,033	7	0.0%	100.0%
1,034	7	0.0%	100.0%
1,035	12	0.0%	100.0%
1,036	8	0.0%	100.0%
1,037	4	0.0%	100.0%
1,038	2	0.0%	100.0%
1,039	5	0.0%	100.0%
1,040	5	0.0%	100.0%
1,041	5	0.0%	100.0%
1,042	7	0.0%	100.0%
1,043	7	0.0%	100.0%
1,044	6	0.0%	100.0%
1,045	5	0.0%	100.0%
1,046	5	0.0%	100.0%
1,047	7	0.0%	100.0%
1,048	5	0.0%	100.0%
1,049	6	0.0%	100.0%
1,050	3	0.0%	100.0%
1,051	5	0.0%	100.0%
1,052	6	0.0%	100.0%
1,053	8	0.0%	100.0%
1,054	2	0.0%	100.0%
1,055	2	0.0%	100.0%
1,056	4	0.0%	100.0%
1,057	7	0.0%	100.0%
1,058	10	0.0%	100.0%
1,059	8	0.0%	100.0%
1,060	8	0.0%	100.0%
1,061	9	0.0%	100.0%
1,062	6	0.0%	100.0%
1,063	3	0.0%	100.0%
1,064	3	0.0%	100.0%
1,065	12	0.0%	100.0%
1,066	7	0.0%	100.0%
1,067	7	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
1,068	5	0.0%	100.0%
1,069	3	0.0%	100.0%
1,070	7	0.0%	100.0%
1,071	5	0.0%	100.0%
1,072	4	0.0%	100.0%
1,073	7	0.0%	100.0%
1,074	6	0.0%	100.0%
1,075	10	0.0%	100.0%
1,076	4	0.0%	100.0%
1,077	7	0.0%	100.0%
1,078	4	0.0%	100.0%
1,079	2	0.0%	100.0%
1,080	4	0.0%	100.0%
1,081	7	0.0%	100.0%
1,082	1	0.0%	100.0%
1,083	8	0.0%	100.0%
1,085	4	0.0%	100.0%
1,086	6	0.0%	100.0%
1,087	3	0.0%	100.0%
1,088	10	0.0%	100.0%
1,089	6	0.0%	100.0%
1,090	4	0.0%	100.0%
1,091	3	0.0%	100.0%
1,092	4	0.0%	100.0%
1,093	7	0.0%	100.0%
1,094	3	0.0%	100.0%
1,095	1	0.0%	100.0%
1,096	4	0.0%	100.0%
1,097	7	0.0%	100.0%
1,098	4	0.0%	100.0%
1,099	3	0.0%	100.0%
1,101	1	0.0%	100.0%
1,102	4	0.0%	100.0%
1,103	4	0.0%	100.0%
1,104	8	0.0%	100.0%
1,105	7	0.0%	100.0%
1,106	2	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
1,107	6	0.0%	100.0%
1,108	5	0.0%	100.0%
1,109	5	0.0%	100.0%
1,110	5	0.0%	100.0%
1,111	5	0.0%	100.0%
1,112	3	0.0%	100.0%
1,113	3	0.0%	100.0%
1,114	2	0.0%	100.0%
1,115	3	0.0%	100.0%
1,116	3	0.0%	100.0%
1,117	4	0.0%	100.0%
1,118	5	0.0%	100.0%
1,119	2	0.0%	100.0%
1,120	2	0.0%	100.0%
1,121	4	0.0%	100.0%
1,122	6	0.0%	100.0%
1,123	3	0.0%	100.0%
1,124	3	0.0%	100.0%
1,125	3	0.0%	100.0%
1,126	3	0.0%	100.0%
1,127	6	0.0%	100.0%
1,128	2	0.0%	100.0%
1,129	3	0.0%	100.0%
1,130	5	0.0%	100.0%
1,131	4	0.0%	100.0%
1,132	5	0.0%	100.0%
1,133	5	0.0%	100.0%
1,134	3	0.0%	100.0%
1,135	2	0.0%	100.0%
1,136	3	0.0%	100.0%
1,137	4	0.0%	100.0%
1,138	3	0.0%	100.0%
1,139	4	0.0%	100.0%
1,140	3	0.0%	100.0%
1,141	4	0.0%	100.0%
1,142	2	0.0%	100.0%
1,143	3	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
1,145	5	0.0%	100.0%
1,146	2	0.0%	100.0%
1,147	2	0.0%	100.0%
1,149	5	0.0%	100.0%
1,150	2	0.0%	100.0%
1,151	7	0.0%	100.0%
1,152	6	0.0%	100.0%
1,153	5	0.0%	100.0%
1,154	3	0.0%	100.0%
1,156	2	0.0%	100.0%
1,157	1	0.0%	100.0%
1,158	3	0.0%	100.0%
1,159	4	0.0%	100.0%
1,160	3	0.0%	100.0%
1,161	5	0.0%	100.0%
1,162	1	0.0%	100.0%
1,163	3	0.0%	100.0%
1,165	4	0.0%	100.0%
1,166	3	0.0%	100.0%
1,167	2	0.0%	100.0%
1,168	3	0.0%	100.0%
1,169	5	0.0%	100.0%
1,170	5	0.0%	100.0%
1,171	3	0.0%	100.0%
1,172	3	0.0%	100.0%
1,173	3	0.0%	100.0%
1,174	1	0.0%	100.0%
1,175	2	0.0%	100.0%
1,177	4	0.0%	100.0%
1,178	5	0.0%	100.0%
1,179	5	0.0%	100.0%
1,180	5	0.0%	100.0%
1,181	3	0.0%	100.0%
1,182	3	0.0%	100.0%
1,183	2	0.0%	100.0%
1,184	8	0.0%	100.0%
1,185	5	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
1,186	1	0.0%	100.0%
1,187	2	0.0%	100.0%
1,188	1	0.0%	100.0%
1,189	2	0.0%	100.0%
1,190	2	0.0%	100.0%
1,191	2	0.0%	100.0%
1,192	3	0.0%	100.0%
1,193	1	0.0%	100.0%
1,194	6	0.0%	100.0%
1,195	2	0.0%	100.0%
1,196	4	0.0%	100.0%
1,197	3	0.0%	100.0%
1,198	5	0.0%	100.0%
1,199	1	0.0%	100.0%
1,200	3	0.0%	100.0%
1,201	2	0.0%	100.0%
1,202	2	0.0%	100.0%
1,203	3	0.0%	100.0%
1,204	3	0.0%	100.0%
1,205	3	0.0%	100.0%
1,206	2	0.0%	100.0%
1,207	1	0.0%	100.0%
1,208	2	0.0%	100.0%
1,209	8	0.0%	100.0%
1,210	5	0.0%	100.0%
1,211	1	0.0%	100.0%
1,212	3	0.0%	100.0%
1,214	1	0.0%	100.0%
1,215	5	0.0%	100.0%
1,216	1	0.0%	100.0%
1,218	2	0.0%	100.0%
1,219	2	0.0%	100.0%
1,220	1	0.0%	100.0%
1,222	3	0.0%	100.0%
1,223	2	0.0%	100.0%
1,224	1	0.0%	100.0%
1,225	3	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
1,226	2	0.0%	100.0%
1,227	2	0.0%	100.0%
1,228	4	0.0%	100.0%
1,229	3	0.0%	100.0%
1,230	3	0.0%	100.0%
1,231	2	0.0%	100.0%
1,232	1	0.0%	100.0%
1,233	2	0.0%	100.0%
1,234	2	0.0%	100.0%
1,236	1	0.0%	100.0%
1,237	2	0.0%	100.0%
1,238	5	0.0%	100.0%
1,239	4	0.0%	100.0%
1,240	1	0.0%	100.0%
1,242	4	0.0%	100.0%
1,243	2	0.0%	100.0%
1,244	2	0.0%	100.0%
1,245	4	0.0%	100.0%
1,246	2	0.0%	100.0%
1,247	1	0.0%	100.0%
1,248	1	0.0%	100.0%
1,250	1	0.0%	100.0%
1,251	3	0.0%	100.0%
1,252	3	0.0%	100.0%
1,253	1	0.0%	100.0%
1,254	3	0.0%	100.0%
1,256	2	0.0%	100.0%
1,257	2	0.0%	100.0%
1,259	1	0.0%	100.0%
1,260	1	0.0%	100.0%
1,261	2	0.0%	100.0%
1,262	3	0.0%	100.0%
1,264	3	0.0%	100.0%
1,265	2	0.0%	100.0%
1,266	2	0.0%	100.0%
1,267	2	0.0%	100.0%
1,268	4	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
1,269	5	0.0%	100.0%
1,270	1	0.0%	100.0%
1,271	3	0.0%	100.0%
1,272	1	0.0%	100.0%
1,273	2	0.0%	100.0%
1,274	4	0.0%	100.0%
1,275	2	0.0%	100.0%
1,276	1	0.0%	100.0%
1,277	1	0.0%	100.0%
1,278	2	0.0%	100.0%
1,279	1	0.0%	100.0%
1,280	1	0.0%	100.0%
1,281	2	0.0%	100.0%
1,282	2	0.0%	100.0%
1,283	3	0.0%	100.0%
1,284	2	0.0%	100.0%
1,286	3	0.0%	100.0%
1,287	2	0.0%	100.0%
1,289	4	0.0%	100.0%
1,290	3	0.0%	100.0%
1,291	1	0.0%	100.0%
1,292	4	0.0%	100.0%
1,293	2	0.0%	100.0%
1,294	4	0.0%	100.0%
1,295	4	0.0%	100.0%
1,296	2	0.0%	100.0%
1,297	1	0.0%	100.0%
1,298	1	0.0%	100.0%
1,299	3	0.0%	100.0%
1,300	3	0.0%	100.0%
1,301	2	0.0%	100.0%
1,302	2	0.0%	100.0%
1,303	2	0.0%	100.0%
1,304	3	0.0%	100.0%
1,305	2	0.0%	100.0%
1,307	3	0.0%	100.0%
1,308	1	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
1,309	1	0.0%	100.0%
1,310	2	0.0%	100.0%
1,311	2	0.0%	100.0%
1,312	4	0.0%	100.0%
1,313	2	0.0%	100.0%
1,314	2	0.0%	100.0%
1,315	2	0.0%	100.0%
1,316	2	0.0%	100.0%
1,319	3	0.0%	100.0%
1,320	2	0.0%	100.0%
1,322	3	0.0%	100.0%
1,324	1	0.0%	100.0%
1,325	2	0.0%	100.0%
1,326	1	0.0%	100.0%
1,327	1	0.0%	100.0%
1,328	2	0.0%	100.0%
1,329	2	0.0%	100.0%
1,331	1	0.0%	100.0%
1,332	2	0.0%	100.0%
1,333	3	0.0%	100.0%
1,334	1	0.0%	100.0%
1,335	2	0.0%	100.0%
1,336	2	0.0%	100.0%
1,337	3	0.0%	100.0%
1,338	2	0.0%	100.0%
1,341	1	0.0%	100.0%
1,342	1	0.0%	100.0%
1,343	1	0.0%	100.0%
1,344	3	0.0%	100.0%
1,346	1	0.0%	100.0%
1,347	1	0.0%	100.0%
1,348	1	0.0%	100.0%
1,349	1	0.0%	100.0%
1,350	3	0.0%	100.0%
1,352	3	0.0%	100.0%
1,353	1	0.0%	100.0%
1,354	2	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
1,355	2	0.0%	100.0%
1,356	1	0.0%	100.0%
1,357	1	0.0%	100.0%
1,360	4	0.0%	100.0%
1,362	2	0.0%	100.0%
1,364	1	0.0%	100.0%
1,365	1	0.0%	100.0%
1,366	1	0.0%	100.0%
1,367	3	0.0%	100.0%
1,368	5	0.0%	100.0%
1,369	2	0.0%	100.0%
1,370	2	0.0%	100.0%
1,371	3	0.0%	100.0%
1,372	3	0.0%	100.0%
1,373	1	0.0%	100.0%
1,374	3	0.0%	100.0%
1,375	2	0.0%	100.0%
1,376	1	0.0%	100.0%
1,377	2	0.0%	100.0%
1,378	1	0.0%	100.0%
1,379	3	0.0%	100.0%
1,381	3	0.0%	100.0%
1,382	1	0.0%	100.0%
1,383	2	0.0%	100.0%
1,386	1	0.0%	100.0%
1,388	2	0.0%	100.0%
1,390	1	0.0%	100.0%
1,393	1	0.0%	100.0%
1,395	1	0.0%	100.0%
1,396	1	0.0%	100.0%
1,397	1	0.0%	100.0%
1,398	2	0.0%	100.0%
1,400	1	0.0%	100.0%
1,402	2	0.0%	100.0%
1,403	3	0.0%	100.0%
1,405	3	0.0%	100.0%
1,406	2	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
1,407	2	0.0%	100.0%
1,408	2	0.0%	100.0%
1,409	2	0.0%	100.0%
1,410	2	0.0%	100.0%
1,411	1	0.0%	100.0%
1,413	1	0.0%	100.0%
1,416	1	0.0%	100.0%
1,417	3	0.0%	100.0%
1,419	1	0.0%	100.0%
1,420	1	0.0%	100.0%
1,421	2	0.0%	100.0%
1,422	2	0.0%	100.0%
1,423	1	0.0%	100.0%
1,424	1	0.0%	100.0%
1,425	1	0.0%	100.0%
1,426	1	0.0%	100.0%
1,427	1	0.0%	100.0%
1,428	1	0.0%	100.0%
1,429	2	0.0%	100.0%
1,430	4	0.0%	100.0%
1,432	1	0.0%	100.0%
1,433	2	0.0%	100.0%
1,434	2	0.0%	100.0%
1,435	1	0.0%	100.0%
1,436	1	0.0%	100.0%
1,437	1	0.0%	100.0%
1,438	3	0.0%	100.0%
1,439	1	0.0%	100.0%
1,440	1	0.0%	100.0%
1,441	1	0.0%	100.0%
1,442	3	0.0%	100.0%
1,443	2	0.0%	100.0%
1,445	1	0.0%	100.0%
1,446	1	0.0%	100.0%
1,448	1	0.0%	100.0%
1,449	2	0.0%	100.0%
1,451	2	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
1,452	3	0.0%	100.0%
1,453	5	0.0%	100.0%
1,454	1	0.0%	100.0%
1,455	1	0.0%	100.0%
1,456	1	0.0%	100.0%
1,457	4	0.0%	100.0%
1,458	1	0.0%	100.0%
1,459	1	0.0%	100.0%
1,461	2	0.0%	100.0%
1,462	2	0.0%	100.0%
1,465	2	0.0%	100.0%
1,467	3	0.0%	100.0%
1,468	3	0.0%	100.0%
1,469	1	0.0%	100.0%
1,470	1	0.0%	100.0%
1,471	2	0.0%	100.0%
1,472	3	0.0%	100.0%
1,473	1	0.0%	100.0%
1,475	3	0.0%	100.0%
1,476	1	0.0%	100.0%
1,478	1	0.0%	100.0%
1,479	1	0.0%	100.0%
1,481	1	0.0%	100.0%
1,483	1	0.0%	100.0%
1,484	2	0.0%	100.0%
1,485	3	0.0%	100.0%
1,487	3	0.0%	100.0%
1,489	3	0.0%	100.0%
1,490	4	0.0%	100.0%
1,491	1	0.0%	100.0%
1,493	3	0.0%	100.0%
1,494	1	0.0%	100.0%
1,495	1	0.0%	100.0%
1,496	1	0.0%	100.0%
1,497	1	0.0%	100.0%
1,498	1	0.0%	100.0%
1,499	2	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
1,500	1	0.0%	100.0%
1,504	2	0.0%	100.0%
1,505	2	0.0%	100.0%
1,507	1	0.0%	100.0%
1,508	2	0.0%	100.0%
1,509	1	0.0%	100.0%
1,510	1	0.0%	100.0%
1,511	2	0.0%	100.0%
1,512	2	0.0%	100.0%
1,513	1	0.0%	100.0%
1,514	1	0.0%	100.0%
1,515	3	0.0%	100.0%
1,516	1	0.0%	100.0%
1,518	1	0.0%	100.0%
1,519	1	0.0%	100.0%
1,520	2	0.0%	100.0%
1,523	3	0.0%	100.0%
1,524	1	0.0%	100.0%
1,525	2	0.0%	100.0%
1,526	1	0.0%	100.0%
1,527	1	0.0%	100.0%
1,528	3	0.0%	100.0%
1,531	1	0.0%	100.0%
1,533	2	0.0%	100.0%
1,535	1	0.0%	100.0%
1,536	1	0.0%	100.0%
1,538	1	0.0%	100.0%
1,539	1	0.0%	100.0%
1,540	3	0.0%	100.0%
1,542	1	0.0%	100.0%
1,543	1	0.0%	100.0%
1,544	1	0.0%	100.0%
1,545	1	0.0%	100.0%
1,547	2	0.0%	100.0%
1,549	2	0.0%	100.0%
1,550	2	0.0%	100.0%
1,551	1	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
1,552	1	0.0%	100.0%
1,553	1	0.0%	100.0%
1,554	1	0.0%	100.0%
1,555	2	0.0%	100.0%
1,556	3	0.0%	100.0%
1,557	1	0.0%	100.0%
1,558	2	0.0%	100.0%
1,559	2	0.0%	100.0%
1,560	1	0.0%	100.0%
1,561	1	0.0%	100.0%
1,563	2	0.0%	100.0%
1,564	1	0.0%	100.0%
1,565	1	0.0%	100.0%
1,566	1	0.0%	100.0%
1,570	2	0.0%	100.0%
1,571	2	0.0%	100.0%
1,572	3	0.0%	100.0%
1,574	1	0.0%	100.0%
1,575	2	0.0%	100.0%
1,576	1	0.0%	100.0%
1,577	1	0.0%	100.0%
1,578	2	0.0%	100.0%
1,579	2	0.0%	100.0%
1,580	1	0.0%	100.0%
1,581	1	0.0%	100.0%
1,582	1	0.0%	100.0%
1,583	2	0.0%	100.0%
1,591	1	0.0%	100.0%
1,592	2	0.0%	100.0%
1,594	3	0.0%	100.0%
1,595	1	0.0%	100.0%
1,597	1	0.0%	100.0%
1,599	2	0.0%	100.0%
1,602	2	0.0%	100.0%
1,603	1	0.0%	100.0%
1,604	1	0.0%	100.0%
1,606	2	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
1,608	2	0.0%	100.0%
1,609	4	0.0%	100.0%
1,610	1	0.0%	100.0%
1,614	1	0.0%	100.0%
1,616	1	0.0%	100.0%
1,617	2	0.0%	100.0%
1,618	3	0.0%	100.0%
1,620	1	0.0%	100.0%
1,624	1	0.0%	100.0%
1,625	3	0.0%	100.0%
1,626	1	0.0%	100.0%
1,627	2	0.0%	100.0%
1,628	2	0.0%	100.0%
1,629	2	0.0%	100.0%
1,630	1	0.0%	100.0%
1,631	1	0.0%	100.0%
1,633	2	0.0%	100.0%
1,634	1	0.0%	100.0%
1,635	1	0.0%	100.0%
1,636	2	0.0%	100.0%
1,639	1	0.0%	100.0%
1,641	5	0.0%	100.0%
1,642	3	0.0%	100.0%
1,643	1	0.0%	100.0%
1,644	1	0.0%	100.0%
1,645	1	0.0%	100.0%
1,648	2	0.0%	100.0%
1,650	1	0.0%	100.0%
1,652	1	0.0%	100.0%
1,653	1	0.0%	100.0%
1,654	1	0.0%	100.0%
1,656	2	0.0%	100.0%
1,657	1	0.0%	100.0%
1,659	1	0.0%	100.0%
1,662	1	0.0%	100.0%
1,663	2	0.0%	100.0%
1,664	1	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
1,665	1	0.0%	100.0%
1,666	1	0.0%	100.0%
1,668	1	0.0%	100.0%
1,673	1	0.0%	100.0%
1,674	1	0.0%	100.0%
1,678	2	0.0%	100.0%
1,679	1	0.0%	100.0%
1,680	1	0.0%	100.0%
1,683	1	0.0%	100.0%
1,684	2	0.0%	100.0%
1,685	3	0.0%	100.0%
1,686	1	0.0%	100.0%
1,688	1	0.0%	100.0%
1,690	1	0.0%	100.0%
1,691	3	0.0%	100.0%
1,692	1	0.0%	100.0%
1,693	2	0.0%	100.0%
1,695	1	0.0%	100.0%
1,696	1	0.0%	100.0%
1,701	1	0.0%	100.0%
1,702	1	0.0%	100.0%
1,703	2	0.0%	100.0%
1,705	2	0.0%	100.0%
1,706	1	0.0%	100.0%
1,707	1	0.0%	100.0%
1,712	1	0.0%	100.0%
1,713	2	0.0%	100.0%
1,715	1	0.0%	100.0%
1,721	1	0.0%	100.0%
1,722	1	0.0%	100.0%
1,723	1	0.0%	100.0%
1,725	1	0.0%	100.0%
1,726	2	0.0%	100.0%
1,727	2	0.0%	100.0%
1,728	1	0.0%	100.0%
1,731	2	0.0%	100.0%
1,734	1	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
1,735	4	0.0%	100.0%
1,737	1	0.0%	100.0%
1,738	2	0.0%	100.0%
1,741	1	0.0%	100.0%
1,743	2	0.0%	100.0%
1,744	1	0.0%	100.0%
1,747	1	0.0%	100.0%
1,753	1	0.0%	100.0%
1,754	1	0.0%	100.0%
1,756	1	0.0%	100.0%
1,757	3	0.0%	100.0%
1,760	2	0.0%	100.0%
1,762	2	0.0%	100.0%
1,765	3	0.0%	100.0%
1,766	1	0.0%	100.0%
1,768	1	0.0%	100.0%
1,769	1	0.0%	100.0%
1,781	1	0.0%	100.0%
1,783	2	0.0%	100.0%
1,784	1	0.0%	100.0%
1,785	1	0.0%	100.0%
1,786	1	0.0%	100.0%
1,787	2	0.0%	100.0%
1,788	1	0.0%	100.0%
1,789	1	0.0%	100.0%
1,797	1	0.0%	100.0%
1,799	1	0.0%	100.0%
1,801	3	0.0%	100.0%
1,803	2	0.0%	100.0%
1,804	1	0.0%	100.0%
1,807	1	0.0%	100.0%
1,812	1	0.0%	100.0%
1,813	4	0.0%	100.0%
1,816	1	0.0%	100.0%
1,818	1	0.0%	100.0%
1,819	2	0.0%	100.0%
1,820	1	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
1,825	2	0.0%	100.0%
1,826	1	0.0%	100.0%
1,827	1	0.0%	100.0%
1,829	2	0.0%	100.0%
1,830	1	0.0%	100.0%
1,831	1	0.0%	100.0%
1,835	1	0.0%	100.0%
1,836	1	0.0%	100.0%
1,837	2	0.0%	100.0%
1,839	1	0.0%	100.0%
1,840	2	0.0%	100.0%
1,842	1	0.0%	100.0%
1,843	2	0.0%	100.0%
1,844	2	0.0%	100.0%
1,845	1	0.0%	100.0%
1,846	1	0.0%	100.0%
1,847	1	0.0%	100.0%
1,848	1	0.0%	100.0%
1,850	1	0.0%	100.0%
1,859	1	0.0%	100.0%
1,861	2	0.0%	100.0%
1,863	1	0.0%	100.0%
1,864	1	0.0%	100.0%
1,866	1	0.0%	100.0%
1,867	3	0.0%	100.0%
1,868	1	0.0%	100.0%
1,878	1	0.0%	100.0%
1,880	1	0.0%	100.0%
1,882	1	0.0%	100.0%
1,886	1	0.0%	100.0%
1,887	1	0.0%	100.0%
1,889	1	0.0%	100.0%
1,890	1	0.0%	100.0%
1,891	1	0.0%	100.0%
1,892	2	0.0%	100.0%
1,894	1	0.0%	100.0%
1,895	2	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
1,897	1	0.0%	100.0%
1,901	1	0.0%	100.0%
1,903	1	0.0%	100.0%
1,904	1	0.0%	100.0%
1,909	1	0.0%	100.0%
1,910	2	0.0%	100.0%
1,913	1	0.0%	100.0%
1,914	1	0.0%	100.0%
1,915	1	0.0%	100.0%
1,919	1	0.0%	100.0%
1,924	1	0.0%	100.0%
1,926	1	0.0%	100.0%
1,931	1	0.0%	100.0%
1,932	1	0.0%	100.0%
1,933	2	0.0%	100.0%
1,936	1	0.0%	100.0%
1,940	1	0.0%	100.0%
1,941	2	0.0%	100.0%
1,943	2	0.0%	100.0%
1,945	2	0.0%	100.0%
1,946	2	0.0%	100.0%
1,949	1	0.0%	100.0%
1,950	3	0.0%	100.0%
1,951	1	0.0%	100.0%
1,952	2	0.0%	100.0%
1,953	1	0.0%	100.0%
1,957	2	0.0%	100.0%
1,958	1	0.0%	100.0%
1,968	1	0.0%	100.0%
1,969	2	0.0%	100.0%
1,971	1	0.0%	100.0%
1,975	1	0.0%	100.0%
1,977	1	0.0%	100.0%
1,978	1	0.0%	100.0%
1,980	1	0.0%	100.0%
1,981	1	0.0%	100.0%
1,985	1	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
1,986	2	0.0%	100.0%
1,987	1	0.0%	100.0%
1,989	2	0.0%	100.0%
1,990	1	0.0%	100.0%
1,992	2	0.0%	100.0%
1,993	2	0.0%	100.0%
1,994	1	0.0%	100.0%
1,995	3	0.0%	100.0%
1,997	1	0.0%	100.0%
1,998	2	0.0%	100.0%
1,999	3	0.0%	100.0%
2,000	3	0.0%	100.0%
2,001	1	0.0%	100.0%
2,002	1	0.0%	100.0%
2,003	1	0.0%	100.0%
2,005	1	0.0%	100.0%
2,007	1	0.0%	100.0%
2,008	1	0.0%	100.0%
2,009	1	0.0%	100.0%
2,011	1	0.0%	100.0%
2,012	3	0.0%	100.0%
2,013	3	0.0%	100.0%
2,014	2	0.0%	100.0%
2,015	4	0.0%	100.0%
2,016	1	0.0%	100.0%
2,017	5	0.0%	100.0%
2,018	3	0.0%	100.0%
2,019	3	0.0%	100.0%
2,020	2	0.0%	100.0%
2,021	1	0.0%	100.0%
2,022	2	0.0%	100.0%
2,023	2	0.0%	100.0%
2,024	1	0.0%	100.0%
2,025	2	0.0%	100.0%
2,026	4	0.0%	100.0%
2,027	5	0.0%	100.0%
2,028	3	0.0%	100.0%

Length	Count	Percentage	Cummulative Percentage
2,029	6	0.0%	100.0%
2,030	11	0.0%	100.0%
2,031	4	0.0%	100.0%
2,032	10	0.0%	100.0%
2,033	8	0.0%	100.0%
2,034	12	0.0%	100.0%

1.8 Paired reads distance distribution

Distance	Count	Percentage	Cummulative Percentage
180	1,251	3.2%	3.2%
181	1,121	2.9%	6.1%
182	1,135	2.9%	9.1%
183	1,118	2.9%	12.0%
184	1,051	2.7%	14.7%
185	1,063	2.8%	17.5%
186	1,031	2.7%	20.1%
187	993	2.6%	22.7%
188	988	2.6%	25.3%
189	947	2.5%	27.7%
190	923	2.4%	30.1%
191	917	2.4%	32.5%
192	816	2.1%	34.6%
193	820	2.1%	36.7%
194	778	2.0%	38.7%
195	781	2.0%	40.8%
196	748	1.9%	42.7%
197	738	1.9%	44.6%
198	769	2.0%	46.6%
199	717	1.9%	48.5%
200	681	1.8%	50.2%
201	685	1.8%	52.0%
202	674	1.7%	53.8%
203	638	1.7%	55.4%
204	639	1.7%	57.1%
205	615	1.6%	58.7%
206	578	1.5%	60.2%

Distance	Count	Percentage	Cummulative Percentage
207	570	1.5%	61.6%
208	556	1.4%	63.1%
209	504	1.3%	64.4%
210	527	1.4%	65.8%
211	550	1.4%	67.2%
212	514	1.3%	68.5%
213	496	1.3%	69.8%
214	477	1.2%	71.0%
215	491	1.3%	72.3%
216	466	1.2%	73.5%
217	458	1.2%	74.7%
218	452	1.2%	75.9%
219	439	1.1%	77.0%
220	398	1.0%	78.0%
221	424	1.1%	79.1%
222	391	1.0%	80.1%
223	383	1.0%	81.1%
224	382	1.0%	82.1%
225	357	0.9%	83.1%
226	372	1.0%	84.0%
227	341	0.9%	84.9%
228	355	0.9%	85.8%
229	339	0.9%	86.7%
230	367	1.0%	87.7%
231	319	0.8%	88.5%
232	296	0.8%	89.2%
233	282	0.7%	90.0%
234	276	0.7%	90.7%
235	311	0.8%	91.5%
236	282	0.7%	92.2%
237	283	0.7%	93.0%
238	249	0.6%	93.6%
239	229	0.6%	94.2%
240	224	0.6%	94.8%
241	217	0.6%	95.3%
242	231	0.6%	95.9%
243	221	0.6%	96.5%

Distance	Count	Percentage	Cummulative Percentage
244	228	0.6%	97.1%
245	209	0.5%	97.6%
246	178	0.5%	98.1%
247	179	0.5%	98.6%
248	189	0.5%	99.1%
249	174	0.5%	99.5%
250	187	0.5%	100.0%