

No.	name of archaea sequence file	result of PilerCR		result of findCrispr	comparison	correction	pvalue= comparison correction + (comparison - correction)/2 comparison	log2FC	level (than PilerCR)
1	GCA_000007005.1_ASM700v1_genomic.fna	8	9	1	2	0	0.169925001		=
2	GCA_000007065.1_ASM706v1_genomic.fna	3	14	11	11	0	2.22392421		+
3	GCA_000007185.1_ASM718v1_genomic.fna	4	5	1	0	1	0.321928095		=
4	GCA_000007225.1_ASM722v1_genomic.fna	5	4	-1	-1	0	-0.321928095		=
5	GCA_000007305.1_ASM730v1_genomic.fna	10	7	-3	-3	0	-0.514573173		=
6	GCA_000007345.1_ASM734v1_genomic.fna	4	40	36	36	0	3.321928095		+
7	GCA_000008085.1_ASM808v1_genomic.fna	4	1	-3	-2	0.333333333	-2		=
8	GCA_000008265.1_ASM826v1_genomic.fna	5	3	-2	-2	0	-0.736965594		=
9	GCA_000008645.1_ASM864v1_genomic.fna	3	3	0	0	0	0		=
10	GCA_000008665.1_ASM866v1_genomic.fna	3	3	0	0	0	0		=
11	GCA_000009965.1_ASM996v1_genomic.fna	3	4	1	0	1	0.415037499		=
12	GCA_000011005.1_ASM1100v1_genomic.fna	0	7	7	7	0	2.807354922		+
13	GCA_000011105.1_ASM1110v1_genomic.fna	10	6	-4	-4	0	-0.736965594		-
14	GCA_000011125.1_ASM1112v1_genomic.fna	3	3	0	0	0	0		=
15	GCA_000011185.1_ASM1118v1_genomic.fna	2	1	-1	-1	0	-1		=
16	GCA_000011205.1_ASM1120v1_genomic.fna	9	9	0	1	0	0		=
17	GCA_000011585.1_ASM1158v1_genomic.fna	0	0	0	0	0	0		=
18	GCA_000012285.1_ASM1228v1_genomic.fna	4	4	0	0	0	0		=
19	GCA_000012545.1_ASM1254v1_genomic.fna	4	5	1	2	0	0.321928095		=
20	GCA_000013445.1_ASM1344v1_genomic.fna	7	15	8	8	0	1.099535674		+
21	GCA_000014945.1_ASM1494v1_genomic.fna	4	9	5	6	0	1.169925001		+
22	GCA_000015145.1_ASM1514v1_genomic.fna	3	2	-1	0	1	-0.584962501		=
23	GCA_000015205.1_ASM1520v1_genomic.fna	6	2	-4	-4	0	-1.584962501		-
24	GCA_000015765.1_ASM1576v1_genomic.fna	2	4	2	2	0	1		=
25	GCA_000015805.1_ASM1580v1_genomic.fna	5	2	-3	-3	0	-1.321928095		=
26	GCA_000015825.1_ASM1582v1_genomic.fna	0	9	9	9	0	3.169925001		+
27	GCA_000015945.1_ASM1594v1_genomic.fna	12	5	-7	-7	0	-1.263034406		-
28	GCA_000016385.1_ASM1638v1_genomic.fna	4	2	-2	-2	0	-1		=
29	GCA_000016525.1_ASM1652v1_genomic.fna	1	5	4	4	0	2.321928095		+
30	GCA_000016605.1_ASM1660v1_genomic.fna	6	9	3	3	0	0.584962501		=
31	GCA_000017165.1_ASM1716v1_genomic.fna	2	4	2	2	0	1		=
32	GCA_000017185.1_ASM1718v1_genomic.fna	1	3	2	2	0	1.584962501		=
33	GCA_000017225.1_ASM1722v1_genomic.fna	0	3	3	3	0	1.584962501		=
34	GCA_000017625.1_ASM1762v1_genomic.fna	0	3	3	3	0	1.584962501		=
35	GCA_000017945.1_ASM1794v1_genomic.fna	9	5	-4	-5	0	-0.847996907		-

36	GCA_000018305.1_ASM1830v1_genomic.fna	7	3	-4	-4	0	-1.222392421	-
37	GCA_000018365.1_ASM1836v1_genomic.fna	5	5	0	0	0	0	=
38	GCA_000018465.1_ASM1846v1_genomic.fna	0	9	9	9	0	3.169925001	+
39	GCA_000018485.1_ASM1848v1_genomic.fna	0	2	2	2	0	1	=
40	GCA_000019805.1_ASM1980v1_genomic.fna	10	6	-4	-4	0	-0.736965594	-
41	GCA_000020905.1_ASM2090v1_genomic.fna	2	2	0	0	0	0	=
42	GCA_000021965.1_ASM2196v1_genomic.fna	1	6	5	4	0.2	2.584962501	+
43	GCA_000022365.1_ASM2236v1_genomic.fna	3	3	0	0	0	0	=
44	GCA_000022385.1_ASM2238v1_genomic.fna	3	3	0	1	0	0	=
45	GCA_000022405.1_ASM2240v1_genomic.fna	3	3	0	0	0	0	=
46	GCA_000022425.1_ASM2242v1_genomic.fna	3	3	0	0	0	0	=
47	GCA_000022445.1_ASM2244v1_genomic.fna	2	2	0	0	0	0	=
48	GCA_000022465.1_ASM2246v1_genomic.fna	2	2	0	0	0	0	=
49	GCA_000022545.1_ASM2254v1_genomic.fna	1	1	0	0	0	0	=
50	GCA_000023945.1_ASM2394v1_genomic.fna	3	9	6	6	0	1.584962501	+
51	GCA_000024185.1_ASM2418v1_genomic.fna	4	68	64	64	0	4.087462841	+
52	GCA_000025505.1_ASM2550v1_genomic.fna	6	4	-2	-2	0	-0.584962501	=
53	GCA_000025665.1_ASM2566v1_genomic.fna	2	2	0	0	0	0	=
54	GCA_000092185.1_ASM9218v1_genomic.fna	1	1	0	0	0	0	=
55	GCA_000092305.1_ASM9230v1_genomic.fna	15	5	-10	-10	0	-1.584962501	-
56	GCA_000092465.1_ASM9246v1_genomic.fna	3	3	0	0	0	0	=
57	GCA_000144915.1_ASM14491v1_genomic.fna	7	5	-2	-2	0	-0.485426827	=
58	GCA_000145985.1_ASM14598v1_genomic.fna	9	6	-3	-3	0	-0.584962501	=
59	GCA_000147875.1_ASM14787v1_genomic.fna	0	2	2	2	0	1	=
60	GCA_000148385.1_ASM14838v1_genomic.fna	9	4	-5	-5	0	-1.169925001	-
61	GCA_000151205.2_ASM15120v2_genomic.fna	3	4	1	1	0	0.415037499	=
62	GCA_000152265.2_ASM15226v2_genomic.fna	2	2	0	0	0	0	=
63	GCA_000166095.1_ASM16609v1_genomic.fna	0	0	0	0	0	0	=
64	GCA_000186365.1_ASM18636v1_genomic.fna	4	3	-1	0	1	-0.415037499	=
65	GCA_000189555.1_ASM18955v1_genomic.fna	3	2	-1	0	1	-0.584962501	=
66	GCA_000189575.1_ASM18957v1_genomic.fna	4	4	0	1	0	0	=
67	GCA_000190315.1_ASM19031v1_genomic.fna	0	0	0	0	0	0	=
68	GCA_000191585.1_ASM19158v1_genomic.fna	0	1	1	1	0	0	=
69	GCA_000193375.1_ASM19337v1_genomic.fna	0	1	1	1	0	0	=
70	GCA_000194625.1_ASM19462v1_genomic.fna	2	3	1	0	1	0.584962501	=
71	GCA_000195895.1_ASM19589v1_genomic.fna	4	48	44	43	0.022727273	3.584962501	+
72	GCA_000195915.1_ASM19591v1_genomic.fna	1	1	0	0	0	0	=
73	GCA_000200715.1_ASM20071v1_genomic.fna	0	42	42	39	0.071428571	5.392317423	+
74	GCA_000204585.1_ASM20458v1_genomic.fna	0	2	2	2	0	1	=

75	GCA_000204925.1_ASM20492v1_genomic.fna	4	2	-2	0	1	-1	=
76	GCA_000211475.1_ASM21147v1_genomic.fna	2	2	0	0	0	0	=
77	GCA_000213215.1_ASM21321v1_genomic.fna	6	7	1	1	0	0.222392421	=
78	GCA_000214415.1_ASM21441v1_genomic.fna	20	12	-8	-8	0	-0.736965594	-
79	GCA_000214725.1_ASM21472v1_genomic.fna	2	14	12	11	0.083333333	2.807354922	+
80	GCA_000215995.1_ASM21599v1_genomic.fna	9	4	-5	-4	0.2	-1.169925001	-
81	GCA_000217995.1_ASM21799v1_genomic.fna	2	3	1	1	0	0.584962501	=
82	GCA_000220175.2_ASM22017v1_genomic.fna	0	5	5	5	0	2.321928095	+
83	GCA_000220645.1_ASM22064v1_genomic.fna	1	4	3	3	0	2	=
84	GCA_000221185.1_ASM22118v1_genomic.fna	5	4	-1	-1	0	-0.321928095	=
85	GCA_000223395.1_ASM22339v1_genomic.fna	7	3	-4	-4	0	-1.222392421	-
86	GCA_000226975.3_ASM22697v3_genomic.fna	0	0	0	0	0	0	=
87	GCA_000230715.3_ASM23071v3_genomic.fna	2	6	4	4	0	1.584962501	+
88	GCA_000231015.3_ASM23101v3_genomic.fna	1	1	0	0	0	0	=
89	GCA_000235685.3_ASM23568v3_genomic.fna	1	9	8	8	0	3.169925001	+
90	GCA_000243255.1_ASM24325v1_genomic.fna	0	19	19	19	0	4.247927513	+
91	GCA_000245095.2_ASM24509v2_genomic.fna	2	2	0	0	0	0	=
92	GCA_000245175.2_ASM24517v2_genomic.fna	3	3	0	0	0	0	=
93	GCA_000245215.2_ASM24521v2_genomic.fna	2	2	0	0	0	0	=
94	GCA_000245235.2_ASM24523v2_genomic.fna	2	2	0	0	0	0	=
95	GCA_000245275.2_ASM24527v2_genomic.fna	6	3	-3	0	1	-1	=
96	GCA_000246985.3_ASM24698v3_genomic.fna	8	4	-4	-3	0.25	-1	=
97	GCA_000253055.1_ASM25305v1_genomic.fna	7	6	-1	0	1	-0.222392421	=
98	GCA_000258425.1_ASM25842v1_genomic.fna	4	4	0	0	0	0	=
99	GCA_000263735.1_ASM26373v1_genomic.fna	9	8	-1	-2	0	-0.169925001	=
100	GCA_000264495.1_ASM26449v1_genomic.fna	2	2	0	0	0	0	=
101	GCA_000265525.1_ASM26552v1_genomic.fna	11	10	-1	-1	0	-0.137503524	=
102	GCA_000270325.1_ASM27032v1_genomic.fna	8	6	-2	-1	0.5	-0.415037499	=
103	GCA_000275605.1_ASM27560v1_genomic.fna	10	7	-3	0	1	-0.514573173	=
104	GCA_000275865.1_ASM27586v1_genomic.fna	1	1	0	0	0	0	=
105	GCA_000299365.1_ASM29936v1_genomic.fna	0	1	1	1	0	0	=
106	GCA_000299395.1_ASM29939v1_genomic.fna	0	4	4	4	0	2	=
107	GCA_000300255.2_ASM30025v2_genomic.fna	2	1	-1	-1	0	-1	=
108	GCA_000303155.1_ASM30315v1_genomic.fna	2	1	-1	-1	0	-1	=
109	GCA_000306725.1_ASM30672v1_genomic.fna	0	0	0	0	0	0	=
110	GCA_000317795.1_ASM31779v1_genomic.fna	0	3	3	3	0	1.584962501	=
111	GCA_000327485.1_ASM32748v1_genomic.fna	3	5	2	3	0	0.736965594	=
112	GCA_000327505.1_ASM32750v1_genomic.fna	2	3	1	1	0	0.584962501	=
113	GCA_000328525.1_ASM32852v1_genomic.fna	0	4	4	4	0	2	=

114	GCA_000338775.1_ASM33877v1_genomic.fna	4	5	1	1	0	0.321928095	=
115	GCA_000340315.1_ASM34031v1_genomic.fna	4	4	0	0	0	0	=
116	GCA_000341715.1_ASM34171v1_genomic.fna	1	5	4	4	0	2.321928095	+
117	GCA_000350305.1_ASM35030v1_genomic.fna	1	1	0	0	0	0	=
118	GCA_000364745.1_ASM36474v1_genomic.fna	5	4	-1	-1	0	-0.321928095	=
119	GCA_000385565.1_ASM38556v1_genomic.fna	3	3	0	0	0	0	=
120	GCA_000403645.1_ASM40364v1_genomic.fna	0	1	1	1	0	0	=
121	GCA_000404165.1_ASM40416v1_genomic.fna	2	11	9	9	0	2.459431619	+
122	GCA_000404225.1_ASM40422v1_genomic.fna	1	3	2	2	0	1.584962501	=
123	GCA_000415965.1_J07B_scf56329a_trim_genomic.fna	0	1	1	1	0	0	=
124	GCA_000415985.1_HQW2_08err_032412a_genomic.fna	0	1	1	1	0	0	=
125	GCA_000446015.1_ASM44601v1_genomic.fna	2	3	1	1	0	0.584962501	=
126	GCA_000499765.1_Methanobacterium_genomic.fna	2	5	3	3	0	1.321928095	=
127	GCA_000504205.1_ASM50420v1_genomic.fna	2	6	4	4	0	1.584962501	+
128	GCA_000508305.1_ASM50830v1_genomic.fna	5	2	-3	0	1	-1.321928095	=
129	GCA_000513315.1_AnoR1_genomic.fna	0	12	12	11	0.083333333	3.584962501	+
130	GCA_000513855.1_ASM51385v1_genomic.fna	1	2	1	1	0	1	=
131	GCA_000517445.1_ASM51744v1_genomic.fna	5	4	-1	-1	0	-0.321928095	=
132	GCA_000585495.1_ASM58549v1_genomic.fna	5	4	-1	-1	0	-0.321928095	=
133	GCA_000591035.1_ASM59103v1_genomic.fna	3	2	-1	-1	0	-0.584962501	=
134	GCA_000591055.1_ASM59105v1_genomic.fna	0	9	9	9	0	3.169925001	+
135	GCA_000698785.1_ASM69878v1_genomic.fna	2	6	4	4	0	1.584962501	+
136	GCA_000725425.1_ASM72542v1_genomic.fna	3	3	0	0	0	0	=
137	GCA_000730285.1_ASM73028v1_genomic.fna	2	2	0	1	0	0	=
138	GCA_000734035.1_ASM73403v1_genomic.fna	7	5	-2	-2	0	-0.485426827	=
139	GCA_000739065.1_ASM73906v1_genomic.fna	15	9	-6	-4	0.333333333	-0.736965594	-
140	GCA_000744315.1_ASM74431v1_genomic.fna	3	14	11	11	0	2.222392421	+
141	GCA_000744455.1_ASM74445v1_genomic.fna	0	2	2	2	0	1	=
142	GCA_000762265.1_ASM76226v1_genomic.fna	0	2	2	2	0	1	=
143	GCA_000789255.1_ASM78925v1_genomic.fna	5	5	0	0	0	0	=
144	GCA_000800805.1_ASM80080v1_genomic.fna	1	3	2	2	0	1.584962501	=
145	GCA_000802205.2_ASM80220v2_genomic.fna	0	31	31	30	0.032258065	4.95419631	+
146	GCA_000812185.1_ASM81218v1_genomic.fna	0	8	8	8	0	3	+
147	GCA_000813245.1_ASM81324v1_genomic.fna	9	2	-7	-7	0	-2.169925001	-
148	GCA_000816105.1_ASM81610v1_genomic.fna	3	3	0	0	0	0	=
149	GCA_000828555.1_ASM82855v1_genomic.fna	1	2	1	1	0	1	=
150	GCA_000875775.1_ASM87577v1_genomic.fna	0	3	3	3	0	1.584962501	=
151	GCA_000955905.3_ASM95590v3_genomic.fna	0	2	2	2	0	1	=
152	GCA_000956175.1_ASM95617v1_genomic.fna	0	11	11	11	0	3.459431619	+

153	GCA_000968355.2_ASM96835v2_genomic.fna	4	6	2	2	0	0.584962501	=
154	GCA_000968395.2_ASM96839v2_genomic.fna	4	6	2	2	0	0.584962501	=
155	GCA_000968435.2_ASM96843v2_genomic.fna	5	6	1	1	0	0.263034406	=
156	GCA_000969885.1_ASM96988v1_genomic.fna	3	11	8	8	0	1.874469118	+
157	GCA_000969925.1_ASM96992v1_genomic.fna	4	12	8	8	0	1.584962501	+
158	GCA_000969965.1_ASM96996v1_genomic.fna	4	45	41	41	0	3.491853096	+
159	GCA_000969985.1_ASM96998v1_genomic.fna	2	16	14	14	0	3	+
160	GCA_000970005.1_ASM97000v1_genomic.fna	5	41	36	36	0	3.03562391	+
161	GCA_000970045.1_ASM97004v1_genomic.fna	13	63	50	50	0	2.276840205	+
162	GCA_000970085.1_ASM97008v1_genomic.fna	5	23	18	19	0	2.201633861	+
163	GCA_000970125.1_ASM97012v1_genomic.fna	7	29	22	20	0.090909091	2.050626073	+
164	GCA_000970145.1_ASM97014v1_genomic.fna	3	25	22	22	0	3.058893689	+
165	GCA_000970165.1_ASM97016v1_genomic.fna	2	11	9	9	0	2.459431619	+
166	GCA_000970185.1_ASM97018v1_genomic.fna	1	10	9	9	0	3.321928095	+
167	GCA_000970205.1_ASM97020v1_genomic.fna	2	12	10	10	0	2.584962501	+
168	GCA_000970225.1_ASM97022v1_genomic.fna	6	12	6	8	0	1	+
169	GCA_000970245.1_ASM97024v1_genomic.fna	3	14	11	11	0	2.222392421	+
170	GCA_000970265.1_ASM97026v1_genomic.fna	10	40	30	30	0	2	+
171	GCA_000970285.1_ASM97028v1_genomic.fna	4	12	8	9	0	1.584962501	+
172	GCA_000970305.1_ASM97030v1_genomic.fna	3	34	31	32	0	3.502500341	+
173	GCA_000970325.1_ASM97032v1_genomic.fna	0	2	2	2	0	1	=
174	GCA_000993805.1_ASM99380v1_genomic.fna	4	2	-2	0	1	-1	=
175	GCA_001006045.1_ASM100604v1_genomic.fna	7	4	-3	-3	0	-0.807354922	=
176	GCA_001027005.1_ASM102700v1_genomic.fna	5	48	43	43	0	3.263034406	+
177	GCA_001189275.1_ASM118927v1_genomic.fna	9	6	-3	-2	0.333333333	-0.584962501	=
178	GCA_001266655.1_ASM126665v1_genomic.fna	6	9	3	1	0.666666667	0.584962501	=
179	GCA_001266675.1_ASM126667v1_genomic.fna	6	9	3	2	0.333333333	0.584962501	=
180	GCA_001266695.1_ASM126669v1_genomic.fna	7	9	2	1	0.5	0.362570079	=
181	GCA_001266715.1_ASM126671v1_genomic.fna	6	9	3	2	0.333333333	0.584962501	=
182	GCA_001266735.1_ASM126673v1_genomic.fna	6	9	3	2	0.333333333	0.584962501	=
183	GCA_001282785.1_halo7_genomic.fna	0	4	4	4	0	2	+
184	GCA_001304615.2_ASM130461v2_genomic.fna	3	8	5	5	0	1.415037499	+
185	GCA_001402855.1_ASM140285v1_genomic.fna	3	10	7	7	0	1.736965594	+
186	GCA_001412615.1_ASM141261v1_genomic.fna	5	4	-1	-1	0	-0.321928095	=
187	GCA_001433455.1_ASM143345v1_genomic.fna	8	6	-2	-2	0	-0.415037499	=
188	GCA_001458655.1_Mb9_genomic.fna	4	8	4	6	0	1	+
189	GCA_001477655.1_ASM147765v1_genomic.fna	7	10	3	2	0.333333333	0.514573173	=
190	GCA_001481595.1_ASM148159v1_genomic.fna	5	8	3	2	0.333333333	0.678071905	=
191	GCA_001481635.1_ASM148163v1_genomic.fna	4	4	0	0	0	0	=

192	GCA_001481685.1_ASM148168v1_genomic.fna	17	8	-9	-9	0	-1.087462841	-
193	GCA_001484685.1_ASM148468v1_genomic.fna	8	3	-5	-5	0	-1.415037499	-
194	GCA_001488575.1_Halobacterium_hubeiense_J120-1_genomic.fna	0	1	1	1	0	0	=
195	GCA_001542905.1_ASM154290v1_genomic.fna	0	0	0	0	0	0	=
196	GCA_001548675.1_ASM154867v1_genomic.fna	0	13	13	12	0.076923077	3.700439718	+
197	GCA_001552015.1_ASM155201v1_genomic.fna	0	1	1	1	0	0	=
198	GCA_001560115.1_GG12_C01_I1_genomic.fna	0	0	0	0	0	0	=
199	GCA_001560135.1_GG12_C01_I3_genomic.fna	2	2	0	0	0	0	=
200	GCA_001563245.1_ASM156324v1_genomic.fna	6	89	83	84	0	3.89077093	+
201	GCA_001571385.1_ASM157138v1_genomic.fna	8	12	4	5	0	0.584962501	+
202	GCA_001577775.1_ASM157777v1_genomic.fna	9	7	-2	0	1	-0.362570079	=
203	GCA_001647085.1_ASM164708v1_genomic.fna	7	4	-3	-2	0.333333333	-0.807354922	=
204	GCA_001719125.1_ASM171912v1_genomic.fna	11	11	0	1	0	0	=
205	GCA_001742785.1_ASM174278v1_genomic.fna	0	4	4	4	0	2	+
206	GCA_001761425.1_ASM176142v1_genomic.fna	1	1	0	0	0	0	=
207	GCA_001767315.1_ASM176731v1_genomic.fna	0	6	6	5	0.166666667	2.584962501	+
208	GCA_001870125.1_ASM187012v1_genomic.fna	1	24	23	23	0	4.584962501	+
209	GCA_001886955.1_ASM188695v1_genomic.fna	1	6	5	5	0	2.584962501	+
210	GCA_001889405.1_ASM188940v1_genomic.fna	0	0	0	0	0	0	=
211	GCA_002078355.1_ASM207835v1_genomic.fna	3	3	0	0	0	0	=
212	GCA_002116695.1_ASM211669v1_genomic.fna	8	7	-1	-2	-1	-0.192645078	=
213	GCA_002156705.1_ASM215670v1_genomic.fna	0	8	8	8	0	3	+
214	GCA_002156965.1_ASM215696v1_genomic.fna	0	11	11	11	0	3.459431619	+
215	GCA_002197185.1_ASM219718v1_genomic.fna	2	2	0	0	0	0	=
216	GCA_002201895.1_ASM220189v1_genomic.fna	0	0	0	0	0	0	=
217	GCA_002214165.1_ASM221416v1_genomic.fna	0	0	0	0	0	0	=
218	GCA_002214365.1_ASM221436v1_genomic.fna	2	2	0	0	0	0	=
219	GCA_002214385.1_ASM221438v1_genomic.fna	1	1	0	0	0	0	=
220	GCA_002214465.1_ASM221446v1_genomic.fna	3	3	0	0	0	0	=
221	GCA_002214485.1_ASM221448v1_genomic.fna	1	1	0	0	0	0	=
222	GCA_002214505.1_ASM221450v1_genomic.fna	9	7	-2	0	1	-0.362570079	=
223	GCA_002214525.1_ASM221452v1_genomic.fna	3	5	2	1	0.5	0.736965594	=
224	GCA_002214545.1_ASM221454v1_genomic.fna	2	3	1	0	1	0.584962501	=
225	GCA_002214565.1_ASM221456v1_genomic.fna	3	3	0	-1	0.333333333	0	=
226	GCA_002214605.1_ASM221460v1_genomic.fna	10	8	-2	-1	0.5	-0.321928095	=
227	GCA_002215405.1_ASM221540v1_genomic.fna	2	2	0	0	0	0	=
228	GCA_002215445.1_ASM221544v1_genomic.fna	4	4	0	0	0	0	=
229	GCA_002215485.1_ASM221548v1_genomic.fna	4	4	0	0	0	0	=

230	GCA_002215525.1_ASM221552v1_genomic.fna	5	4	-1	-1	0	-0.321928095	=
231	GCA_002215565.1_ASM221556v1_genomic.fna	4	4	0	0	0	0	=
232	GCA_002356395.1_ASM235639v1_genomic.fna	2	5	3	3	0	1.321928095	=
233	GCA_002761295.1_ASM276129v1_genomic.fna	3	3	0	2	0	0	=
234	GCA_002787055.1_ASM278705v1_genomic.fna	0	2	2	2	0	1	=
235	GCA_002788215.1_ASM278821v1_genomic.fna	4	5	1	1	0	0.321928095	=
236	GCA_002813085.1_ASM281308v1_genomic.fna	1	1	0	0	0	0	=
237	GCA_002813655.1_ASM281365v1_genomic.fna	1	4	3	3	0	2	=
238	GCA_002813675.1_ASM281367v1_genomic.fna	1	2	1	1	0	1	=
239	GCA_002813695.1_ASM281369v1_genomic.fna	1	3	2	2	0	1.584962501	=
240	GCA_002906215.1_ASM290621v1_genomic.fna	2	5	3	3	0	1.321928095	=
241	GCA_002952775.1_ASM295277v1_genomic.fna	2	5	3	3	0	1.321928095	=
242	GCA_003009795.1_ASM300979v1_genomic.fna	0	1	1	1	0	0	=
243	GCA_003058365.1_ASM305836v1_genomic.fna	2	10	8	8	0	2.321928095	+
244	GCA_003201675.1_ASM320167v1_genomic.fna	5	4	-1	-1	0	-0.321928095	=
245	GCA_003201765.1_ASM320176v1_genomic.fna	11	15	4	3	0.25	0.447458977	+
246	GCA_003201835.1_ASM320183v1_genomic.fna	11	7	-4	-3	0.25	-0.652076697	-
247	GCA_003268005.1_ASM326800v1_genomic.fna	0	28	28	28	0	4.807354922	+
248	GCA_003431325.1_ASM343132v1_genomic.fna	0	1	1	1	0	0	=
249	GCA_003491285.1_ASM349128v1_genomic.fna	1	3	2	2	0	1.584962501	=
250	GCA_003491305.1_ASM349130v1_genomic.fna	1	4	3	3	0	2	=
251	GCA_003584605.1_ASM358460v1_genomic.fna	4	11	7	7	0	1.459431619	+
252	GCA_003584625.1_ASM358462v1_genomic.fna	1	4	3	3	0	2	=
253	GCA_003711245.1_ASM371124v1_genomic.fna	2	1	-1	-1	0	-1	=
254	GCA_003852095.1_ASM385209v1_genomic.fna	4	6	2	2	0	0.584962501	=
255	GCA_003852115.1_ASM385211v1_genomic.fna	5	6	1	2	0	0.263034406	=
256	GCA_003852135.1_ASM385213v1_genomic.fna	5	6	1	1	0	0.263034406	=
257	GCA_003852155.1_ASM385215v1_genomic.fna	6	6	0	1	0	0	=
258	GCA_003852175.1_ASM385217v1_genomic.fna	5	6	1	1	0	0.263034406	=
259	GCA_003852195.1_ASM385219v1_genomic.fna	5	6	1	1	0	0.263034406	=
260	GCA_003852215.1_ASM385221v1_genomic.fna	5	6	1	1	0	0.263034406	=
261	GCA_003967175.1_Sacidi_1.0_genomic.fna	3	3	0	1	0	0	=
262	GCA_003990725.1_ASM399072v1_genomic.fna	0	5	5	5	0	2.321928095	+
263	GCA_004340645.1_ASM434064v1_genomic.fna	6	4	-2	-1	0.5	-0.584962501	=
264	GCA_004799665.1_ASM479966v1_genomic.fna	1	10	9	9	0	3.321928095	+
265	GCA_004799685.1_ASM479968v1_genomic.fna	0	0	0	0	0	0	=
266	GCA_005155585.1_ASM515558v1_genomic.fna	0	9	9	9	0	3.169925001	+
267	GCA_005222525.1_ASM522252v1_genomic.fna	5	9	4	3	0.25	0.847996907	+
268	GCA_005485005.1_ASM548500v1_genomic.fna	18	13	-5	-4	0.2	-0.469485283	-

269	GCA_006740685.1_ASM674068v1_genomic.fna	1	6	5	5	0	2.584962501	+
270	GCA_008033705.1_ASM803370v1_genomic.fna	3	9	6	6	0	1.584962501	+
271	GCA_008152015.1_ASM815201v1_genomic.fna	3	2	-1	0	1	-0.584962501	=
272	GCA_008326385.1_SulIC007_1.0_genomic.fna	11	10	-1	-2	0	-0.137503524	=
273	GCA_008326425.1_SulIC006_1.0_genomic.fna	11	11	0	0	0	0	=
274	GCA_009217585.1_ASM921758v1_genomic.fna	1	13	12	12	0	3.700439718	+
275	GCA_009392915.1_ASM939291v1_genomic.fna	0	6	6	6	0	2.584962501	=
276	GCA_009601705.1_ASM960170v1_genomic.fna	13	21	8	9	0	0.691877705	+
277	GCA_009602405.1_ASM960240v1_genomic.fna	1	5	4	4	0	2.321928095	+
278	GCA_009617975.1_ASM961797v1_genomic.fna	0	0	0	0	0	0	=
279	GCA_009690625.1_ASM969062v1_genomic.fna	1	8	7	7	0	3	+
280	GCA_009729015.1_ASM972901v1_genomic.fna	4	5	1	1	0	0.321928095	=
281	GCA_009729035.1_ASM972903v1_genomic.fna	3	2	-1	-1	0	-0.584962501	=
282	GCA_009729055.1_ASM972905v1_genomic.fna	8	5	-3	-1	0.666666667	-0.678071905	=
283	GCA_009797925.1_ASM979792v1_genomic.fna	1	5	4	4	0	2.321928095	=
284	GCA_009911715.1_ASM991171v1_genomic.fna	1	1	0	0	0	0	=
285	GCA_009914355.1_ASM991435v1_genomic.fna	5	5	0	2	0	0	=
286	GCA_009917665.1_ASM991766v1_genomic.fna	3	13	10	10	0	2.115477217	+
287	GCA_010692885.1_ASM1069288v1_genomic.fna	4	7	3	3	0	0.807354922	+
288	GCA_010692905.1_ASM1069290v1_genomic.fna	6	8	2	2	0	0.415037499	+
289	GCA_900012635.1_Pyrococcus_chitonophagus_genome_sequence_genomic.fna	10	8	-2	-2	0	-0.321928095	+
290	GCA_900036045.1_Methanoculleus_sp_MAB1_genomic.fna	1	3	2	2	0	1.584962501	+
291	GCA_900079115.1_SSOPI1_genomic.fna	9	8	-1	0	1	-0.169925001	+
292	GCA_900079125.1_MBBA_genomic.fna	1	2	1	1	0	1	+
293	GCA_900083515.1_ASM90008351v1_genomic.fna	1	1	0	0	0	0	+
294	GCA_900090055.1_C.divulgatum_PM4_genomic.fna	1	1	0	0	0	0	+
295	GCA_900095815.1_SIV6_genomic.fna	2	5	3	2	0.333333333	1.321928095	+
296	GCA_900177045.1_Candidatus_Nitrosotalea_koreensis_CS_whole_genome_genomic.fna	0	5	5	5	0	2.321928095	+
297	GCA_900198835.1_chr_EXT12c_genomic.fna	10	9	-1	-2	0	-0.152003093	=
298	GCA_900248165.1_Nitrosocaldus_cavascurensis_SCU2_chromosome_genomic.fna	3	7	4	3	0.25	1.222392421	+
299	GCA_900696045.1_Nitrosocosmicus_franklandus_C13_genomic.fna	0	22	22	19	0.136363636	4.459431619	+
300	GCA_902383905.1_UHGG_MGYG-HGUT-02160_genomic.fna	1	3	2	2	0	1.584962501	=
301	GCA_902384015.1_UHGG							

302	_MGYG-HGUT-02164_genomic.fna	4	5	1	2	0	0.321928095	=
	GCA_902387285.1_UHGG							
	_MGYG-HGUT-02456_genomic.fna	2	1	-1	-1	0	-1	=

Table 1. Totle results comparing with PilerCR. The programme of my method is findCrispr. '+' means findCrispr obtains more Crisprs than PilerCR. '-' means findCrispr obtains fewer Crisprs than PilerCR. '=' means findCripr and PilerCR obtain the same amount of CRISPRs.
 $pvalue = \frac{||comparison|-|correction||+ (|comparison|-|correction|)}{2|comparison|}$ is the error rate, *comparison* is the number of crisprs in results of findCrispr minus the number of CRISPRs in results of PilerCR. *correction*is the number of the newly discovered crisprs in results of findCrispr which is true newly crisprs after manual review.