	Title	Sequence
1	S-G4-13	TGGTTTTTAACGTCAAAGGGCGAAGAACCATCTTTTTGGGTAGGGCGGGTTGGG
2	S-G4-14	CTTGCATGCATTAATGAATCGGCCCGCCAGGGTTTTTGGGTAGGGCGGGTTGGG
3	S-G4-15	TAGATGGGGGGTAACGCCAGGGTTGTGCCAAGTTTTTGGGTAGGGCGGGTTGGG
4	S-G4-16	CATGTCAAGATTCTCCGTGGGAACCGTTGGTGTTTTTGGGTAGGGCGGGTTGGG
5	S-G4-17	CTGTAATATTGCCTGAGAGTCTGGAAAACTAGTTTTTGGGTAGGGCGGGTTGGG
6	S-G4-18	TGCAACTAAGCAATAAAGCCTCAGTTATGACCTTTTTGGGTAGGGCGGGTTGGG
7	S-G4-19	AAACAGTTGATGGCTTAGAGCTTATTTAAATATTTTTGGGTAGGGCGGGTTGGG
8	S-G4-20	ACGAACTAGCGTCCAATACTGCGGAATGCTTTTTTTTGGGTAGGGCGGGTTGGG
9	S-G4-21	CTTTGAAAAGAACTGGCTCATTATTTAATAAATTTTTGGGTAGGGCGGGTTGGG
10	S-G4-22	ACGGCTACTTACTTAGCCGGAACGCTGACCAATTTTTGGGTAGGGCGGGTTGGG
11	S-G4-23	GAGAATAGCTTTTGCGGGATCGTCGGGTAGCATTTTTGGGTAGGGCGGGTTGGG
12	S-G4-26	TGGACTCCCTTTTCACCAGTGAGACCTGTCGTTTTTTGGGTAGGGCGGGTTGGG
13	S-G4-27	GCCAGCTGCCTGCAGGTCGACTCTGCAAGGCGTTTTTGGGTAGGGCGGGTTGGG
14	S-G4-28	ATTAAGTTCGCATCGTAACCGTGCGAGTAACATTTTTGGGTAGGGCGGGTTGGG
15	S-G4-29	ACCCGTCGTCATATGTACCCCGGTAAAGGCTATTTTTGGGTAGGGCGGGTTGGG
16	S-G4-30	TCAGGTCACTTTTGCGGGAGAAGCAGAATTAGTTTTTGGGTAGGGCGGGTTGGG
17	S-G4-31	CAAAATTAAAGTACGGTGTCTGGAAGAGGTCATTTTTGGGTAGGGCGGGTTGGG
18	S-G4-32	TTTTTGCGCAGAAAACGAGAATGAATGTTTAGTTTTTGGGTAGGGCGGGTTGGG
19	S-G4-33	ACTGGATAACGGAACAACATTATTACCTTATGTTTTTGGGTAGGGCGGGTTGGG
20	S-G4-34	CGATTTTAGAGGACAGATGAACGGCGCGACCTTTTTTGGGTAGGGCGGGTTGGG
21	S-G4-35	GCTCCATGAGAGGCTTTGAGGACTAGGGAGTTTTTTTGGGTAGGGCGGGTTGGG
22	S-G4-36	AAAGGCCGAAAGGAACAACTAAAGCTTTCCAGTTTTTGGGTAGGGCGGGTTGGG
23	S-G4-37	AGCTGATTACAAGAGTCCACTATTGAGGTGCCTTTTTGGGTAGGGCGGGTTGGG
24	S-G4-38	CCCGGGTACTTTCCAGTCGGGAAACGGGCAACTTTTTGGGTAGGGCGGGTTGGG
25	S-G4-39	GTTTGAGGGAAAGGGGGATGTGCTAGAGGATCTTTTTGGGTAGGGCGGGTTGGG
26	S-G4-40	AGAAAAGCAACATTAAATGTGAGCATCTGCCATTTTTGGGTAGGGCGGGTTGGG
27	S-G4-41	CAACGCAATTTTTGAGAGATCTACTGATAATCTTTTTGGGTAGGGCGGGTTGGG
28	S-G4-42	TCCATATACATACAGGCAAGGCAACTTTATTTTTTTTGGGTAGGGCGGGTTGGG
29	S-G4-43	CAAAAATCATTGCTCCTTTTGATAAGTTTCATTTTTTGGGTAGGGCGGGTTGGG
30	S-G4-44	AAAGATTCAGGGGGTAATAGTAAACCATAAATTTTTTGGGTAGGGCGGGTTGGG
31	S-G4-45	CCAGGCGCTTAATCATTGTGAATTACAGGTAGTTTTTGGGTAGGGCGGGTTGGG
32	S-G4-46	TTTCATGAAAATTGTGTCGAAATCTGTACAGATTTTTGGGTAGGGCGGGTTGGG
33	S-G4-47	AATAATAAGGTCGCTGAGGCTTGCAAAGACTTTTTTTGGGTAGGGCGGGTTGGG
34	S-G4-50	AGTTTGGAGCCCTTCACCGCCTGGTTGCGCTCTTTTTGGGTAGGGCGGGTTGGG
35	S-G4-51	ACTGCCCGCCGAGCTCGAATTCGTTATTACGCTTTTTGGGTAGGGCGGGTTGGG
36	S-G4-52	CAGCTGGCGGACGACGACAGTATCGTAGCCAGTTTTTGGGTAGGGCGGGTTGGG
37	S-G4-53	CTTTCATCCCCAAAAACAGGAAGACCGGAGAGTTTTTGGGTAGGGCGGGTTGGG
38	S-G4-54	GGTAGCTAGGATAAAAATTTTTAGTTAACATCTTTTTGGGTAGGGCGGGTTGGG
39	S-G4-55	CAATAAATACAGTTGATTCCCAATTTAGAGAGTTTTTGGGTAGGGCGGGTTGGG
40	S-G4-56	TACCTTTAAGGTCTTTACCCTGACAAAGAAGTTTTTTGGGTAGGGCGGGTTGGG
41	S-G4-57	TTTGCCAGATCAGTTGAGATTTAGTGGTTTAATTTTTGGGTAGGGCGGGTTGGG
42	S-G4-58	TTTCAACTATAGGCTGGCTGACCTTGTATCATTTTTTGGGTAGGGCGGGTTGGG
43	S-G4-59	CGCCTGATGGAAGTTTCCATTAAACATAACCGTTTTTGGGTAGGGCGGGTTGGG
44	S-G4-60	ATATATTCTTTTTTCACGTTGAAAATAGTTAGTTTTTGGGTAGGGCGGGTTGGG
45	S-G4-61	GAGTTGCACGAGATAGGGTTGAGTAAGGGAGCTTTTTGGGTAGGGCGGGTTGGG
46	S-G4-62	TCATAGCTACTCACATTAATTGCGCCCTGAGATTTTTGGGTAGGGCGGGTTGGG
47	S-G4-63	GAAGATCGGTGCGGGCCTCTTCGCAATCATGGTTTTTGGGTAGGGCGGGTTGGG
48	S-G4-64	GCAAATATCGCGTCTGGCCTTCCTGGCCTCAGTTTTTGGGTAGGGCGGGTTGGG
49	S-G4-65	TATATTTTAGCTGATAAATTAATGTTGTATAATTTTTGGGTAGGGCGGGTTGGG

50	S-G4-66	CGAGTAGAACTAATAGTAGTAGCAAACCCTCATTTTTGGGTAGGGCGGGTTGGG
51	S-G4-67	TCAGAAGCCTCCAACAGGTCAGGATCTGCGAATTTTTGGGTAGGGCGGGTTGGG
52	S-G4-68	CATTCAACGCGAGAGGCTTTTGCATATTATAGTTTTTGGGTAGGGCGGGTTGGG
53	S-G4-69	AGTAATCTTAAATTGGGCTTGAGAGAATACCATTTTTGGGTAGGGCGGGTTGGG
54	S-G4-70	ATACGTAAAAGTACAACGGAGATTTCATCAAGTTTTTGGGTAGGGCGGGTTGGG
55	S-G4-71	AAAAAAGGACAACCATCGCCCACGCGGGTAAATTTTTGGGTAGGGCGGGTTGGG
56	S-G4-74	GAATAGCCGCAAGCGGTCCACGCTCCTAATGATTTTTGGGTAGGGCGGGTTGGG
57	S-G4-75	GTGAGCTAGTTTCCTGTGTGAAATTTGGGAAGTTTTTGGGTAGGGCGGGTTGGG
58	S-G4-76	GGCGATCGCACTCCAGCCAGCTTTGCCATCAATTTTTGGGTAGGGCGGGTTGGG
59	S-G4-77	AAATAATTTTAAATTGTAAACGTTGATATTCATTTTTGGGTAGGGCGGGTTGGG
60	S-G4-78	ACCGTTCTAAATGCAATGCCTGAGAGGTGGCATTTTTGGGTAGGGCGGGTTGGG
61	S-G4-79	TCAATTCTTTTAGTTTGACCATTACCAGACCGTTTTTGGGTAGGGCGGGTTGGG
62	S-G4-80	GAAGCAAAAAAGCGGATTGCATCAGATAAAAATTTTTGGGTAGGGCGGGTTGGG
63	S-G4-81	CCAAAATATAATGCAGATACATAAACACCAGATTTTTGGGTAGGGCGGGTTGGG
64	S-G4-82	ACGAGTAGTGACAAGAACCGGATATACCAAGCTTTTTGGGTAGGGCGGGTTGGG
65	S-G4-83	GCGAAACATGCCACTACGAAGGCATGCGCCGATTTTTGGGTAGGGCGGGTTGGG
66	S-G4-84	CAATGACACTCCAAAAGGAGCCTTACAACGCCTTTTTGGGTAGGGCGGGTTGGG
67	S-G4-85	CCAGCAGGGGCAAAATCCCTTATAAAGCCGGCTTTTTGGGTAGGGCGGGTTGGG
68	S-G4-86	GCTCACAATGTAAAGCCTGGGGTGGGTTTGCCTTTTTGGGTAGGGCGGGTTGGG
69	S-G4-87	GCTTCTGGTCAGGCTGCGCAACTGTGTTATCCTTTTTGGGTAGGGCGGGTTGGG
70	S-G4-88	GTTAAAATTTTAACCAATAGGAACCCGGCACCTTTTTGGGTAGGGCGGGTTGGG
71	S-G4-89	AGGTAAAGAAATCACCATCAATATAATATTTTTTTTTGGGTAGGGCGGGTTGGG
72	S-G4-90	TCGCAAATGGGGCGCGAGCTGAAATAATGTGTTTTTTGGGTAGGGCGGGTTGGG
73	S-G4-91	AAGAGGAACGAGCTTCAAAGCGAAGATACATTTTTTTGGGTAGGGCGGGTTGGG
74	S-G4-92	GGAATTACTCGTTTACCAGACGACAAAAGATTTTTTTGGGTAGGGCGGGTTGGG
75	S-G4-93	CCAAATCACTTGCCCTGACGAGAACGCCAAAATTTTTGGGTAGGGCGGGTTGGG
76	S-G4-94	AAACGAAATGACCCCCAGCGATTATTCATTACTTTTTGGGTAGGGCGGGTTGGG
77	S-G4-95	TCGGTTTAGCTTGATACCGATAGTCCAACCTATTTTTGGGTAGGGCGGGTTGGG
78	S-G4-98	CCGAAATCCGAAAATCCTGTTTGAAGCCGGAATTTTTGGGTAGGGCGGGTTGGG
79	S-G4-99	GCATAAAGTTCCACACAACATACGAAGCGCCATTTTTGGGTAGGGCGGGTTGGG
80	S-G4-100	TTCGCCATTGCCGGAAACCAGGCATTAAATCATTTTTGGGTAGGGCGGGTTGGG
81	S-G4-101	GCTCATTTTCGCATTAAATTTTTGAGCTTAGATTTTTGGGTAGGGCGGGTTGGG
82	S-G4-105	CATAACCCGAGGCATAGTAAGAGCTTTTTAAGTTTTTGGGTAGGGCGGGTTGGG
83	S-G4-106	GAATAAGGACGTAACAAAGCTGCTCTAAAACATTTTTGGGTAGGGCGGGTTGGG
84	S-G4-107	CTCATCTTGAGGCAAAAGAATACAGTGAATTTTTTTTGGGTAGGGCGGGTTGGG
85	S-G4-108	CTTAAACATCAGCTTGCTTTCGAGCGTAACACTTTTTGGGTAGGGCGGGTTGGG
86	S-G4-109	ACGAACCAAAACATCGCCATTAAATGGTGGTTTTTTTGGGTAGGGCGGGTTGGG
87	S-G4-110	CGACAACTAAGTATTAGACTTTACAATACCGATTTTTGGGTAGGGCGGGTTGGG
88	S-G4-111	CTTTTACACAGATGAATATACAGTAAACAATTTTTTTGGGTAGGGCGGGTTGGG
89	S-G4-112	TTAAGACGTTGAAAACATAGCGATAACAGTACTTTTTGGGTAGGGCGGGTTGGG
90	S-G4-116	AAAAGTAATATCTTACCGAAGCCCTTCCAGAGTTTTTGGGTAGGGCGGGTTGGG
91	S-G4-117	TTATTCATAGGGAAGGTAAATATTCATTCAGTTTTTTGGGTAGGGCGGGTTGGG
92	S-G4-118	GAGCCGCCCCACCACCGGAACCGCGACGGAAATTTTTGGGTAGGGCGGGTTGGG
93	S-G4-119	AATGCCCCGTAACAGTGCCCGTATCTCCCTCATTTTTGGGTAGGGCGGGTTGGG
94	S-G4-122	TAGCCCTACCAGCAGAAGATAAAAACATTTGATTTTTGGGTAGGGCGGGTTGGG
95	S-G4-123	GGATTTAGCGTATTAAATCCTTTGTTTTCAGGTTTTTGGGTAGGGCGGGTTGGG
96	S-G4-124	TTTAACGTTCGGGAGAAACAATAATTTTCCCTTTTTTGGGTAGGGCGGGTTGGG
97	S-G4-125	TAGAATCCCTGAGAAGAGTCAATAGGAATCATTTTTTGGGTAGGGCGGGTTGGG
98	S-G4-126	AATTACTACAAATTCTTACCAGTAATCCCATCTTTTTGGGTAGGGCGGGTTGGG
99	S-G4-127	CTAATTTATCTTTCCTTATCATTCATCCTGAATTTTTGGGTAGGGCGGGTTGGG

100	S-G4-128	TCTTACCAGCCAGTTACAAAATAAATGAAATATTTTTGGGTAGGGCGGGTTGGG
101	S-G4-129	GCAATAGCGCAGATAGCCGAACAATTCAACCGTTTTTGGGTAGGGCGGGTTGGG
102	S-G4-130	ATTGAGGGTAAAGGTGAATTATCAATCACCGGTTTTTGGGTAGGGCGGGTTGGG
103	S-G4-131	AACCAGAGACCCTCAGAACCGCCAGGGGTCAGTTTTTGGGTAGGGCGGGTTGGG
104	S-G4-132	TGCCTTGACTGCCTATTTCGGAACAGGGATAGTTTTTGGGTAGGGCGGGTTGGG
105	S-G4-133	AGGCGGTCATTAGTCTTTAATGCGCAATATTATTTTTGGGTAGGGCGGGTTGGG
106	S-G4-134	TTATTAATGCCGTCAATAGATAATCAGAGGTGTTTTTGGGTAGGGCGGGTTGGG
107	S-G4-135	CCTGATTGAAAGAAATTGCGTAGACCCGAACGTTTTTGGGTAGGGCGGGTTGGG
108	S-G4-136	ATCAAAATCGTCGCTATTAATTAACGGATTCGTTTTTGGGTAGGGCGGGTTGGG
109	S-G4-137	ACGCTCAAAATAAGAATAAACACCGTGAATTTTTTTTGGGTAGGGCGGGTTGGG
110	S-G4-138	GGTATTAAGAACAAGAAAAATAATTAAAGCCATTTTTGGGTAGGGCGGGTTGGG
111	S-G4-139	ATTATTTAACCCAGCTACAATTTTCAAGAACGTTTTTGGGTAGGGCGGGTTGGG
112	S-G4-140	GAAGGAAAATAAGAGCAAGAAACAACAGCCATTTTTTGGGTAGGGCGGGTTGGG
113	S-G4-141	GACTTGAGAGACAAAAGGGCGACAAGTTACCATTTTTGGGTAGGGCGGGTTGGG
114	S-G4-142	GCCACCACTCTTTTCATAATCAAACCGTCACCTTTTTGGGTAGGGCGGGTTGGG
115	S-G4-143	CTGAAACAGGTAATAAGTTTTAACCCCTCAGATTTTTGGGTAGGGCGGGTTGGG
116	S-G4-146	GAATGGCTAGTATTAACACCGCCTCAACTAATTTTTTGGGTAGGGCGGGTTGGG
117	S-G4-147	AGATTAGATTTAAAAGTTTGAGTACACGTAAATTTTTGGGTAGGGCGGGTTGGG
118	S-G4-148	ACAGAAATCTTTGAATACCAAGTTCCTTGCTTTTTTTGGGTAGGGCGGGTTGGG
119	S-G4-149	CTGTAAATCATAGGTCTGAGAGACGATAAATATTTTTGGGTAGGGCGGGTTGGG
120	S-G4-150	AGGCGTTACAGTAGGGCTTAATTGACAATAGATTTTTGGGTAGGGCGGGTTGGG
121	S-G4-151	TAAGTCCTACCAAGTACCGCACTCTTAGTTGCTTTTTGGGTAGGGCGGGTTGGG
122	S-G4-152	TATTTTGCTCCCAATCCAAATAAGTGAGTTAATTTTTGGGTAGGGCGGGTTGGG
123	S-G4-153	GCCCAATACCGAGGAAACGCAATAGGTTTACCTTTTTGGGTAGGGCGGGTTGGG
124	S-G4-154	AGCGCCAACCATTTGGGAATTAGATTATTAGCTTTTTGGGTAGGGCGGGTTGGG
125	S-G4-155	GTTTGCCACCTCAGAGCCGCCACCGATACAGGTTTTTGGGTAGGGCGGGTTGGG
126	S-G4-156	AGTGTACTTGAAAGTATTAAGAGGCCGCCACCTTTTTGGGTAGGGCGGGTTGGG
127	S-G4-157	GCCACGCTATACGTGGCACAGACAACGCTCATTTTTTGGGTAGGGCGGGTTGGG
128	S-G4-158	ATTTTGCGTCTTTAGGAGCACTAAGCAACAGTTTTTTGGGTAGGGCGGGTTGGG
129	S-G4-159	GCGCAGAGATATCAAAATTATTTGACATTATCTTTTTGGGTAGGGCGGGTTGGG
130	S-G4-160	TAACCTCCATATGTGAGTGAATAAACAAAATCTTTTTGGGTAGGGCGGGTTGGG
131	S-G4-161	CATATTTAGAAATACCGACCGTGTTACCTTTTTTTTTGGGTAGGGCGGGTTGGG
132	S-G4-162	CAAGCAAGACGCGCCTGTTTATCAAGAATCGCTTTTTGGGTAGGGCGGGTTGGG
133	S-G4-163	TTTTGTTTAAGCCTTAAATCAAGAATCGAGAATTTTTGGGTAGGGCGGGTTGGG
134	S-G4-164	ATACCCAAGATAACCCACAAGAATAAACGATTTTTTTGGGTAGGGCGGGTTGGG
135	S-G4-165	AATCACCAAATAGAAAATTCATATATAACGGATTTTTGGGTAGGGCGGGTTGGG
136	S-G4-166	CACCAGAGTTCGGTCATAGCCCCCGCCAGCAATTTTTGGGTAGGGCGGGTTGGG
137	S-G4-167	CCTCAAGAATACATGGCTTTTGATAGAACCACTTTTTGGGTAGGGCGGGTTGGG
138	S-G4-170	GCGTAAGAGAGAGCCAGCAGCAAAAAGGTTATTTTTTGGGTAGGGCGGGTTGGG
139	S-G4-171	CTAAAATAGAACAAAGAAACCACCAGGGTTAGTTTTTGGGTAGGGCGGGTTGGG
140	S-G4-172	AACCTACCGCGAATTATTCATTTCCAGTACATTTTTTGGGTAGGGCGGGTTGGG
141	S-G4-173	AAATCAATGGCTTAGGTTGGGTTACTAAATTTTTTTTGGGTAGGGCGGGTTGGG
142	S-G4-174	AATGGTTTACAACGCCAACATGTAGTTCAGCTTTTTTGGGTAGGGCGGGTTGGG
143	S-G4-175	AATGCAGACCGTTTTTATTTTCATCTTGCGGGTTTTTGGGTAGGGCGGGTTGGG
144	S-G4-176	AGGTTTTGAACGTCAAAAATGAAAGCGCTAATTTTTTTGGGTAGGGCGGGTTGGG
145	S-G4-177	ATCAGAGAAAGAACTGGCATGATTTTATTTTGTTTTTGGGTAGGGCGGGTTGGG
146	S-G4-178	TCACAATCGTAGCACCATTACCATCGTTTTCATTTTTGGGTAGGGCGGGTTGGG
147	S-G4-179	TCGGCATTCCGCCGCCAGCATTGACGTTCCAGTTTTTGGGTAGGGCGGGTTGGG
148	S-G4-180	TAAGCGTCGAAGGATTAGGATTAGTACCGCCATTTTTGGGTAGGGCGGGTTGGG
149	S-G4-181	CTAAAGCAAGATAGAACCCTTCTGAATCGTCTTTTTTGGGTAGGGCGGGTTGGG

150	S-G4-182	CGGAATTATTGAAAGGAATTGAGGTGAAAAATTTTTTGGGTAGGGCGGGTTGGG
151	S-G4-183	GAGCAAAAACTTCTGAATAATGGAAGAAGGAGTTTTTGGGTAGGGCGGGTTGGG
152	S-G4-184	TATGTAAACCTTTTTTAATGGAAAAATTACCTTTTTTGGGTAGGGCGGGTTGGG
153	S-G4-185	AGAGGCATAATTTCATCTTCTGACTATAACTATTTTTGGGTAGGGCGGGTTGGG
154	S-G4-186	TCATTACCCGACAATAAACAACATATTTAGGCTTTTTGGGTAGGGCGGGTTGGG
155	S-G4-187	CTTTACAGTTAGCGAACCTCCCGACGTAGGAATTTTTGGGTAGGGCGGGTTGGG
156	S-G4-188	TTATTACGGTCAGAGGGTAATTGAATAGCAGCTTTTTGGGTAGGGCGGGTTGGG
157	S-G4-189	CCGGAAACACACCACGGAATAAGTAAGACTCCTTTTTGGGTAGGGCGGGTTGGG
158	S-G4-190	TGAGGCAGGCGTCAGACTGTAGCGTAGCAAGGTTTTTGGGTAGGGCGGGTTGGG
159	S-G4-191	TGCTCAGTCAGTCTCTGAATTTACCAGGAGGTTTTTTGGGTAGGGCGGGTTGGG
160	S-G4-194	GCCAACAGTCACCTTGCTGAACCTGTTGGCAATTTTTGGGTAGGGCGGGTTGGG
161	S-G4-195	ATCAACAGTCATCATATTCCTGATTGATTGTTTTTTTGGGTAGGGCGGGTTGGG
162	S-G4-196	TGGATTATGAAGATGATGAAACAAAATTTCATTTTTTGGGTAGGGCGGGTTGGG
163	S-G4-197	TTGAATTATGCTGATGCAAATCCACAAATATATTTTTGGGTAGGGCGGGTTGGG
164	S-G4-198	TTTTAGTTTTTCGAGCCAGTAATAAATTCTGTTTTTTGGGTAGGGCGGGTTGGG
165	S-G4-199	CCAGACGAGCGCCCAATAGCAAGCAAGAACGCTTTTTGGGTAGGGCGGGTTGGG
166	S-G4-200	GAGGCGTTAGAGAATAACATAAAAGAACACCCTTTTTGGGTAGGGCGGGTTGGG
167	S-G4-201	TGAACAAACAGTATGTTAGCAAACTAAAAGAATTTTTGGGTAGGGCGGGTTGGG
168	S-G4-202	ACGCAAAGGTCACCAATGAAACCAATCAAGTTTTTTTGGGTAGGGCGGGTTGGG
169	S-G4-203	TGCCTTTAGTCAGACGATTGGCCTGCCAGAATTTTTTGGGTAGGGCGGGTTGGG
170	S-G4-204	GGAAAGCGACCAGGCGGATAAGTGAATAGGTGTTTTTGGGTAGGGCGGGTTGGG
171	S-Lock24	ACCCAAATTT*TTAAATGAATTTTCTGTAAGCGGAGT
172	S-Lock25	ACGTTAGTTT*TTCAAGTTTTTTGGGGTCAAAGAACG
173	S-Lock48	GTAAAGCATT*TTTCTAAAGTTTTGTCGTGAATTGCG
174	S-Lock49	CGTAACGATT*TTCTAAATCGGAACCCTAGTTGTTCC
175	S-Lock72	CCCCGATTTT*TTTCCACAGACAGCCCTCATCTCCAA
176	S-Lock73	TGTAGCATTT*TTTAGAGCTTGACGGGGAAATCAAAA
177	S-Lock96	GAACGTGGTT*TTGTCACCAGTACAAACTTAATTGTA
178	S-Lock97	TGAGTTTCTT*TTCGAGAAAGGAAGGGAACAAACTAT
179	S-Lock120	CGGCCTTGTT*TTATAGGAACCCATGTACAAACAGTT
180	S-Lock121	CAAGCCCATT*TTCTGGTAATATCCAGAACGAACTGA
181	S-Lock144	CCGCCAGCTT*TTCACCACCCTCATTTTCCTATTATT
182	S-Lock145	CTCAGAGCTT*TTCATTGCAACAGGAAAAATATTTTT
183	S-Lock168	GGAAATACTT*TTACCGCCACCCTCAGAACTGAGACT
184	S-Lock169	CCCTCAGATT*TTCTACATTTTGACGCTCACCTGAAA
185	S-Lock192	GAAATGGATT*TTTACTCAGGAGGTTTAGCGGGGTTT
186	S-Lock193	TATCACCGTT*TTTTATTTACATTGGCAGACATTCTG
187	S-PAM-Cap102	GACCAGGATGGGCACCACCCTTTTTCCTCCACCCATTCCTCCACCTTTTTTAGACAGTCATTCAAAAGGGTGAGAAGCTATAT
188	S-PAM-Cap103	GACCAGGATGGGCACCACCCTTTTTCCTCCACCCATTCCTCCACCTTTTTTTTTCATTTGGTCAATAACCTGTTTATATCGCG
189	S-PAM-Cap104	GACCAGGATGGGCACCACCCTTTTTCCTCCACCCATTCCTCCACCTTTTTTTTTTAATTGCCCGAAAGACTTCAAAACACTAT
190	S-PAM-Cap113	GACCAGGATGGGCACCACCCTTTTTCCTCCACCCATTCCTCCACCTTTTTTGCGTTATAGAAAAAGCCTGTTTAGAAGGCCGG
191	S-PAM-Cap114	GACCAGGATGGGCACCACCCTTTTTCCTCCACCCATTCCTCCACCTTTTTTATCGGCTGCGAGCATGTAGAAACCTATCATAT
192	S-PAM-Cap115	GACCAGGATGGGCACCACCCTTTTTCCTCCACCCATTCCTCCACCTTTTTTCCTAATTTACGCTAACGAGCGTCTAATCAATA
193	S-13	TGGTTTTTAACGTCAAAGGGCGAAGAACCATC
194	S-14	CTTGCATGCATTAATGAATCGGCCCGCCAGGG
195	S-15	TAGATGGGGGGTAACGCCAGGGTTGTGCCAAG
196	S-16	CATGTCAAGATTCTCCGTGGGAACCGTTGGTG
197	S-17	CTGTAATATTGCCTGAGAGTCTGGAAAACTAG
198	S-18	TGCAACTAAGCAATAAAGCCTCAGTTATGACC
199	S-19	AAACAGTTGATGGCTTAGAGCTTATTTAAATA

200	S-20	ACGAACTAGCGTCCAATACTGCGGAATGCTTT
201	S-21	CTTTGAAAAGAACTGGCTCATTATTTAATAAA
202	S-22	ACGGCTACTTACTTAGCCGGAACGCTGACCAA
203	S-23	GAGAATAGCTTTTGCGGGATCGTCGGGTAGCA
204	S-26	TGGACTCCCTTTTCACCAGTGAGACCTGTCGT
205	S-35	GCTCCATGAGAGGCTTTGAGGACTAGGGAGTT
206	S-36	AAAGGCCGAAAGGAACAACTAAAGCTTTCCAG
207	S-37	AGCTGATTACAAGAGTCCACTATTGAGGTGCC
208	S-46	TTTCATGAAAATTGTGTCGAAATCTGTACAGA
209	S-47	AATAATAAGGTCGCTGAGGCTTGCAAAGACTT
210	S-50	AGTTTGGAGCCCTTCACCGCCTGGTTGCGCTC
211	S-59	CGCCTGATGGAAGTTTCCATTAAACATAACCG
212	S-60	ATATATTCTTTTTTCACGTTGAAAATAGTTAG
213	S-61	GAGTTGCACGAGATAGGGTTGAGTAAGGGAGC
214	S-62	TCATAGCTACTCACATTAATTGCGCCCTGAGA
215	S-71	AAAAAAGGACAACCATCGCCCACGCGGGTAAA
216	S-74	GAATAGCCGCAAGCGGTCCACGCTCCTAATGA
217	S-83	GCGAAACATGCCACTACGAAGGCATGCGCCGA
218	S-84	CAATGACACTCCAAAAGGAGCCTTACAACGCC
219	S-85	CCAGCAGGGGCAAAATCCCTTATAAAGCCGGC
220	S-86	GCTCACAATGTAAAGCCTGGGGTGGGTTTGCC
221	S-87	GCTTCTGGTCAGGCTGCGCAACTGTGTTATCC
222	S-88	GTTAAAATTTTAACCAATAGGAACCCGGCACC
223	S-89	AGGTAAAGAAATCACCATCAATATAATATTTT
224	S-90	TCGCAAATGGGGCGCGAGCTGAAATAATGTGT
225	S-91	AAGAGGAACGAGCTTCAAAGCGAAGATACATT
226	S-92	GGAATTACTCGTTTACCAGACGACAAAAGATT
227	S-93	CCAAATCACTTGCCCTGACGAGAACGCCAAAA
228	S-94	AAACGAAATGACCCCCAGCGATTATTCATTAC
229	S-95	TCGGTTTAGCTTGATACCGATAGTCCAACCTA
230	S-98	CCGAAATCCGAAAATCCTGTTTGAAGCCGGAA
231	S-99	GCATAAAGTTCCACACAACATACGAAGCGCCA
232	S-100	TTCGCCATTGCCGGAAACCAGGCATTAAATCA
233	S-101	GCTCATTTTCGCATTAAATTTTTGAGCTTAGA
234	S-105	CATAACCCGAGGCATAGTAAGAGCTTTTTAAG
235	S-106	GAATAAGGACGTAACAAAGCTGCTCTAAAACA
236	S-107	CTCATCTTGAGGCAAAAGAATACAGTGAATTT
237	S-108	CTTAAACATCAGCTTGCTTTCGAGCGTAACAC
238	S-109	ACGAACCAAAACATCGCCATTAAATGGTGGTT
239	S-110	CGACAACTAAGTATTAGACTTTACAATACCGA
240	S-111	CTTTTACACAGATGAATATACAGTAAACAATT
241	S-112	TTAAGACGTTGAAAACATAGCGATAACAGTAC
242	S-116	AAAAGTAATATCTTACCGAAGCCCTTCCAGAG
243	S-117	TTATTCATAGGGAAGGTAAATATTCATTCAGT
244	S-118	GAGCCGCCCCACCACCGGAACCGCGACGGAAA
245	S-119	AATGCCCCGTAACAGTGCCCGTATCTCCCTCA
246	S-122	TAGCCCTACCAGCAGAAGATAAAAACATTTGA
247	S-123	GGATTTAGCGTATTAAATCCTTTGTTTTCAGG
248	S-124	TTTAACGTTCGGGAGAAACAATAATTTTCCCT
249	S-125	TAGAATCCCTGAGAAGAGTCAATAGGAATCAT

250	S-126	AATTACTACAAATTCTTACCAGTAATCCCATC
251	S-127	CTAATTTATCTTTCCTTATCATTCATCCTGAA
252	S-128	TCTTACCAGCCAGTTACAAAATAAATGAAATA
253	S-129	GCAATAGCGCAGATAGCCGAACAATTCAACCG
254	S-130	ATTGAGGGTAAAGGTGAATTATCAATCACCGG
255	S-131	AACCAGAGACCCTCAGAACCGCCAGGGGTCAG
256	S-132	TGCCTTGACTGCCTATTTCGGAACAGGGATAG
257	S-133	AGGCGGTCATTAGTCTTTAATGCGCAATATTA
258	S-142	GCCACCACTCTTTTCATAATCAAACCGTCACC
259	S-143	CTGAAACAGGTAATAAGTTTTAACCCCTCAGA
260	S-146	GAATGGCTAGTATTAACACCGCCTCAACTAAT
261	S-155	GTTTGCCACCTCAGAGCCGCCACCGATACAGG
262	S-156	AGTGTACTTGAAAGTATTAAGAGGCCGCCACC
263	S-157	GCCACGCTATACGTGGCACAGACAACGCTCAT
264	S-158	ATTTTGCGTCTTTAGGAGCACTAAGCAACAGT
265	S-167	CCTCAAGAATACATGGCTTTTGATAGAACCAC
266	S-170	GCGTAAGAGAGAGCCAGCAGCAAAAAGGTTAT
267	S-179	TCGGCATTCCGCCGCCAGCATTGACGTTCCAG
268	S-180	TAAGCGTCGAAGGATTAGGATTAGTACCGCCA
269	S-181	CTAAAGCAAGATAGAACCCTTCTGAATCGTCT
270	S-182	CGGAATTATTGAAAGGAATTGAGGTGAAAAAT
271	S-191	TGCTCAGTCAGTCTCTGAATTTACCAGGAGGT
272	S-194	GCCAACAGTCACCTTGCTGAACCTGTTGGCAA
273	S-195	ATCAACAGTCATCATATTCCTGATTGATTGTT
274	S-196	TGGATTATGAAGATGATGAAACAAAATTTCAT
275	S-197	TTGAATTATGCTGATGCAAATCCACAAATATA
276	S-198	TTTTAGTTTTTCGAGCCAGTAATAAATTCTGT
277	S-199	CCAGACGAGCGCCCAATAGCAAGCAAGAACGC
278	S-200	GAGGCGTTAGAGAATAACATAAAAGAACACCC
279	S-201	TGAACAAACAGTATGTTAGCAAACTAAAAGAA
280	S-202	ACGCAAAGGTCACCAATGAAACCAATCAAGTT
281	S-203	TGCCTTTAGTCAGACGATTGGCCTGCCAGAAT
282	S-204	GGAAAGCGACCAGGCGGATAAGTGAATAGGTG
283	F-Cap27	AAAAAAAAAAAAAAAGCCAGCTGCCTGCAGGTCGACTCTGCAAGGCG
284	F-Cap28	AAAAAAAAAAAAAAAATTAAGTTCGCATCGTAACCGTGCGAGTAACA
285	F-Cap29	AAAAAAAAAAAAAAAACCCGTCGTCATATGTACCCCGGTAAAGGCTA
286	F-Cap30	AAAAAAAAAAAAAAATCAGGTCACTTTTGCGGGAGAAGCAGAATTAG
287	F-Cap31	AAAAAAAAAAAAAAACAAAATTAAAGTACGGTGTCTGGAAGAGGTCA
288	F-Cap32	AAAAAAAAAAAAAAATTTTTGCGCAGAAAACGAGAATGAATGTTTAG
289	F-Cap33	AAAAAAAAAAAAAAAACTGGATAACGGAACAACATTATTACCTTATG
290	F-Cap34	AAAAAAAAAAAAAAACGATTTTAGAGGACAGATGAACGGCGCGACCT
291	F-Cap35	AAAAAAAAAAAAAAAGCTCCATGAGAGGCTTTGAGGACTAGGGAGTT
292	F-Cap75	AAAAAAAAAAAAAAAGTGAGCTAGTTTCCTGTGTGAAATTTGGGAAG
293	F-Cap76	AAAAAAAAAAAAAAAGGCGATCGCACTCCAGCCAGCTTTGCCATCAA
294	F-Cap77	AAAAAAAAAAAAAAAAAATAATTTTAAATTGTAAACGTTGATATTCA
295	F-Cap78	AAAAAAAAAAAAAAAACCGTTCTAAATGCAATGCCTGAGAGGTGGCA
296	F-Cap79	AAAAAAAAAAAAAAATCAATTCTTTTAGTTTGACCATTACCAGACCG
297	F-Cap80	AAAAAAAAAAAAAAAGAAGCAAAAAAGCGGATTGCATCAGATAAAAA
298	F-Cap81	AAAAAAAAAAAAAAACCAAAATATAATGCAGATACATAAACACCAGA
299	F-Cap82	AAAAAAAAAAAAAAAACGAGTAGTGACAAGAACCGGATATACCAAGC

300	F-Cap83	AAAAAAAAAAAAAAAGCGAAACATGCCACTACGAAGGCATGCGCCGA
301	F-Cap123	AAAAAAAAAAAAAAAGGATTTAGCGTATTAAATCCTTTGTTTTCAGG
302	F-Cap124	AAAAAAAAAAAAAAATTTAACGTTCGGGAGAAACAATAATTTTCCCT
303	F-Cap125	AAAAAAAAAAAAAAATAGAATCCCTGAGAAGAGTCAATAGGAATCAT
304	F-Cap126	AAAAAAAAAAAAAAAAATTACTACAAATTCTTACCAGTAATCCCATC
305	F-Cap127	AAAAAAAAAAAAAAACTAATTTATCTTTCCTTATCATTCATCCTGAA
306	F-Cap128	AAAAAAAAAAAAAAATCTTACCAGCCAGTTACAAAATAAATGAAATA
307	F-Cap129	AAAAAAAAAAAAAAAGCAATAGCGCAGATAGCCGAACAATTCAACCG
308	F-Cap130	AAAAAAAAAAAAAAAATTGAGGGTAAAGGTGAATTATCAATCACCGG
309	F-Cap131	AAAAAAAAAAAAAAAAACCAGAGACCCTCAGAACCGCCAGGGGTCAG
310	F-Cap171	AAAAAAAAAAAAAAACTAAAATAGAACAAAGAAACCACCAGGGTTAG
311	F-Cap172	AAAAAAAAAAAAAAAAACCTACCGCGAATTATTCATTTCCAGTACAT
312	F-Cap173	AAAAAAAAAAAAAAAAAATCAATGGCTTAGGTTGGGTTACTAAATTT
313	F-Cap174	AAAAAAAAAAAAAAAAATGGTTTACAACGCCAACATGTAGTTCAGCT
314	F-Cap175	AAAAAAAAAAAAAAAAATGCAGACCGTTTTTATTTTCATCTTGCGGG
315	F-Cap176	AAAAAAAAAAAAAAAAGGTTTTGAACGTCAAAAATGAAAGCGCTAAT
316	F-Cap177	AAAAAAAAAAAAAAAATCAGAGAAAGAACTGGCATGATTTTATTTTG
317	F-Cap178	AAAAAAAAAAAAAAATCACAATCGTAGCACCATTACCATCGTTTTCA
318	F-Cap179	AAAAAAAAAAAAAAATCGGCATTCCGCCGCCAGCATTGACGTTCCAG
319	F-H	TTTTTTTTTTTTTTTGAGC
320	PAM-rich	AGGTGGAGGAATGGGTGGAGG
321	Apt-Cap1	TAATAATAATAATAAGCGTTTTTGACAGCATCGGAACGAACCCTCAG
322	Apt-Cap2	TAATAATAATAATAAGCGTTTTTACTTTCAACAGTTTCTGGGATTTT
323	Apt-Cap6	TAATAATAATAATAAGCGTTTTTGGTTGTACCAAAAACAAGCATAAA
324	Apt-Cap7	TAATAATAATAATAAGCGTTTTTCTGTAGCTCAACATGTATTGCTGA
325	Apt-Cap11	TAATAATAATAATAAGCGTTTTTCGATGGCCCACTACGTAAACCGTC
326	Apt-Cap12	TAATAATAATAATAAGCGTTTTTCGGTTTGCGTATTGGGAACGCGCG
327	Apt-Cap205	TAATAATAATAATAAGCGTTTTTACCAGTAATAAAAGGGATTCACCA
328	Apt-Cap206	TAATAATAATAATAAGCGTTTTTAATCAATATCTGGTCACAAATATC
329	Apt-Cap210	TAATAATAATAATAAGCGTTTTTCGACAAAAGGTAAAGTAGAGAATA
330	Apt-Cap211	TAATAATAATAATAAGCGTTTTTGCTTATCCGGTATTCTAAATCAGA
331	Apt-Cap215	TAATAATAATAATAAGCGTTTTTATAAATCCTCATTAAATGATATTC
332	Apt-Cap216	TAATAATAATAATAAGCGTTTTTTATAAGTATAGCCCGGCCGTCGAG
333	C-APT	CATATCCGCGTCGCTGCGCTCAGACCCACCACCACGCACCTTTTTCGCTTATTATTATTATTATTA
334	S-24	ACGTTAGTAAATGAATTTTCTGTAAGCGGAGT
335	S-25	ACCCAAATCAAGTTTTTTGGGGTCAAAGAACG
336	S-27	GCCAGCTGCCTGCAGGTCGACTCTGCAAGGCG
337	S-28	ATTAAGTTCGCATCGTAACCGTGCGAGTAACA
338	S-29	ACCCGTCGTCATATGTACCCCGGTAAAGGCTA
339	S-30	TCAGGTCACTTTTGCGGGAGAAGCAGAATTAG
340	S-31	CAAAATTAAAGTACGGTGTCTGGAAGAGGTCA
341	S-32	TTTTTGCGCAGAAAACGAGAATGAATGTTTAG
342	S-33	ACTGGATAACGGAACAACATTATTACCTTATG
343	S-34	CGATTTTAGAGGACAGATGAACGGCGCGACCT
344	S-38	CCCGGGTACTTTCCAGTCGGGAAACGGGCAAC
345	S-39	GTTTGAGGGAAAGGGGGATGTGCTAGAGGATC
346	S-40	AGAAAAGCAACATTAAATGTGAGCATCTGCCA
347	S-41	CAACGCAATTTTTGAGAGATCTACTGATAATC
348	S-42	TCCATATACATACAGGCAAGGCAACTTTATTT
349	S-43	CAAAAATCATTGCTCCTTTTGATAAGTTTCAT

350	S-44	AAAGATTCAGGGGGTAATAGTAAACCATAAAT
351	S-45	CCAGGCGCTTAATCATTGTGAATTACAGGTAG
352	S-48	CGTAACGATCTAAAGTTTTGTCGTGAATTGCG
353	S-49	GTAAAGCACTAAATCGGAACCCTAGTTGTTCC
354	S-51	ACTGCCCGCCGAGCTCGAATTCGTTATTACGC
355	S-52	CAGCTGGCGGACGACGACAGTATCGTAGCCAG
356	S-53	CTTTCATCCCCAAAAACAGGAAGACCGGAGAG
357	S-54	GGTAGCTAGGATAAAAATTTTTAGTTAACATC
358	S-55	CAATAAATACAGTTGATTCCCAATTTAGAGAG
359	S-56	TACCTTTAAGGTCTTTACCCTGACAAAGAAGT
360	S-57	TTTGCCAGATCAGTTGAGATTTAGTGGTTTAA
361	S-58	TTTCAACTATAGGCTGGCTGACCTTGTATCAT
362	S-63	GAAGATCGGTGCGGGCCTCTTCGCAATCATGG
363	S-64	GCAAATATCGCGTCTGGCCTTCCTGGCCTCAG
364	S-65	TATATTTTAGCTGATAAATTAATGTTGTATAA
365	S-66	CGAGTAGAACTAATAGTAGTAGCAAACCCTCA
366	S-67	TCAGAAGCCTCCAACAGGTCAGGATCTGCGAA
367	S-68	CATTCAACGCGAGAGGCTTTTGCATATTATAG
368	S-69	AGTAATCTTAAATTGGGCTTGAGAGAATACCA
369	S-70	ATACGTAAAAGTACAACGGAGATTTCATCAAG
370	S-72	TGTAGCATTCCACAGACAGCCCTCATCTCCAA
371	S-73	CCCCGATTTAGAGCTTGACGGGGAAATCAAAA
372	S-75	GTGAGCTAGTTTCCTGTGTGAAATTTGGGAAG
373	S-76	GGCGATCGCACTCCAGCCAGCTTTGCCATCAA
374	S-77	AAATAATTTTAAATTGTAAACGTTGATATTCA
375	S-78	ACCGTTCTAAATGCAATGCCTGAGAGGTGGCA
376	S-79	TCAATTCTTTTAGTTTGACCATTACCAGACCG
377	S-80	GAAGCAAAAAAGCGGATTGCATCAGATAAAAA
378	S-81	CCAAAATATAATGCAGATACATAAACACCAGA
379	S-82	ACGAGTAGTGACAAGAACCGGATATACCAAGC
380	S-96	TGAGTTTCGTCACCAGTACAAACTTAATTGTA
381	S-97	GAACGTGGCGAGAAAGGAAGGGAACAAACTAT
382	S-102	AGACAGTCATTCAAAAGGGTGAGAAGCTATAT
383	S-103	TTTCATTTGGTCAATAACCTGTTTATATCGCG
384	S-104	TTTTAATTGCCCGAAAGACTTCAAAACACTAT
385	S-113	GCGTTATAGAAAAAGCCTGTTTAGAAGGCCGG
386	S-114	ATCGGCTGCGAGCATGTAGAAACCTATCATAT
387	S-115	CCTAATTTACGCTAACGAGCGTCTAATCAATA
388	S-120	CAAGCCCAATAGGAACCCATGTACAAACAGTT
389	S-121	CGGCCTTGCTGGTAATATCCAGAACGAACTGA
390	S-134	TTATTAATGCCGTCAATAGATAATCAGAGGTG
391	S-135	CCTGATTGAAAGAAATTGCGTAGACCCGAACG
392	S-136	ATCAAAATCGTCGCTATTAATTAACGGATTCG
393	S-137	ACGCTCAAAATAAGAATAAACACCGTGAATTT
394	S-138	GGTATTAAGAACAAGAAAAATAATTAAAGCCA
395	S-139	ATTATTTAACCCAGCTACAATTTTCAAGAACG
396	S-140	GAAGGAAAATAAGAGCAAGAAACAACAGCCAT
397	S-141	GACTTGAGAGACAAAAGGGCGACAAGTTACCA
398	S-144	CTCAGAGCCACCACCCTCATTTTCCTATTATT
399	S-145	CCGCCAGCCATTGCAACAGGAAAAATATTTTT

400	S-147	AGATTAGATTTAAAAGTTTGAGTACACGTAAA
401	S-148	ACAGAAATCTTTGAATACCAAGTTCCTTGCTT
402	S-149	CTGTAAATCATAGGTCTGAGAGACGATAAATA
403	S-150	AGGCGTTACAGTAGGGCTTAATTGACAATAGA
404	S-151	TAAGTCCTACCAAGTACCGCACTCTTAGTTGC
405	S-152	TATTTTGCTCCCAATCCAAATAAGTGAGTTAA
406	S-153	GCCCAATACCGAGGAAACGCAATAGGTTTACC
407	S-154	AGCGCCAACCATTTGGGAATTAGATTATTAGC
408	S-159	GCGCAGAGATATCAAAATTATTTGACATTATC
409	S-160	TAACCTCCATATGTGAGTGAATAAACAAAATC
410	S-161	CATATTTAGAAATACCGACCGTGTTACCTTTT
411	S-162	CAAGCAAGACGCGCCTGTTTATCAAGAATCGC
412	S-163	TTTTGTTTAAGCCTTAAATCAAGAATCGAGAA
413	S-164	ATACCCAAGATAACCCACAAGAATAAACGATT
414	S-165	AATCACCAAATAGAAAATTCATATATAACGGA
415	S-166	CACCAGAGTTCGGTCATAGCCCCCGCCAGCAA
416	S-168	CCCTCAGAACCGCCACCCTCAGAACTGAGACT
417	S-169	GGAAATACCTACATTTTGACGCTCACCTGAAA
418	S-171	CTAAAATAGAACAAAGAAACCACCAGGGTTAG
419	S-172	AACCTACCGCGAATTATTCATTTCCAGTACAT
420	S-173	AAATCAATGGCTTAGGTTGGGTTACTAAATTT
421	S-174	AATGGTTTACAACGCCAACATGTAGTTCAGCT
422	S-175	AATGCAGACCGTTTTTATTTTCATCTTGCGGG
423	S-176	AGGTTTTGAACGTCAAAAATGAAAGCGCTAAT
424	S-177	ATCAGAGAAAGAACTGGCATGATTTTATTTTG
425	S-178	TCACAATCGTAGCACCATTACCATCGTTTTCA
426	S-183	GAGCAAAAACTTCTGAATAATGGAAGAAGGAG
427	S-184	TATGTAAACCTTTTTTAATGGAAAAATTACCT
428	S-185	AGAGGCATAATTTCATCTTCTGACTATAACTA
429	S-186	TCATTACCCGACAATAAACAACATATTTAGGC
430	S-187	CTTTACAGTTAGCGAACCTCCCGACGTAGGAA
431	S-188	TTATTACGGTCAGAGGGTAATTGAATAGCAGC
432	S-189	CCGGAAACACACCACGGAATAAGTAAGACTCC
433	S-190	TGAGGCAGGCGTCAGACTGTAGCGTAGCAAGG
434	S-192	TATCACCGTACTCAGGAGGTTTAGCGGGGTTT
435	S-193	GAAATGGATTATTTACATTGGCAGACATTCTG