

Supplement

This supplement lists all DNA coding used into this paper.

$$A_4^{SS+SC+GC}(8,3) = 336$$

- 1 ATCATGCC
- 2 CTCGATCA
- 3 GCTCTTCT
- 4 AGTGGGAT
- 5 ACTCTCTG
- 6 AATCTGCG
- 7 ACTCACGT
- 8 CTCCAAC
- 9 GCTTCTAG
- 10 TAGGAGGT
- 11 GATCGACT
- 12 TAACGCTG
- 13 TAAGCGGA
- 14 CTGTGATC
- 15 CCCTAATC
- 16 TGGAAGGA
- 17 TACTACCG
- 18 CTTATGGG
- 19 TCAGCAAG
- 20 CGACTTCT
- 21 AGTGTCGA
- 22 TGCGATTC
- 23 CAACGACA
- 24 GATCTGTC
- 25 GCCAACTA
- 26 ATGAGGGA
- 27 TAGAACGG
- 28 CCGTAACA
- 29 TAGACTGC
- 30 GCTGGATT
- 31 GTGAGTCA
- 32 TCATGGAC
- 33 ACCACTAC
- 34 TCCTAAGG
- 35 GGCTAAAG
- 36 CCAACTGA
- 37 TCGTCTTG
- 38 TTGGGAAC
- 39 AATAGCCC

40 CTGTCGAA
41 CCCCATAT
42 AACCTCTC
43 GGTTTACG
44 GCAGAAGA
45 TAGAGGAG
46 GAAAGGGA
47 ATCGACGA
48 GCAAGTAC
49 TCAGACAC
50 CTTGGTTG
51 TAGCATCC
52 GATACTCG
53 AATGCCCT
54 AACCTAG
55 CACACGTA
56 GCCTATCT
57 GAGCTCTA
58 TGAAGCGA
59 TAACCGCT
60 GAACTCGT
61 GAGGGAAA
62 TGTCTAGC
63 CGAACCTT
64 AGGAATCC
65 AGGTGGAA
66 TACCCAGT
67 TCACGTAG
68 TATCCGTG
69 TTCGAACC
70 AGCTCTGA
71 GTTGACACA
72 AAGCCGTT
73 TCACATGC
74 CCCAAGAA
75 CTCAGTCT
76 ATCGGTAG
77 ACGGACAA
78 CCAGTTCA
79 TTATCCCG
80 GTACGATG
81 TCTACGGT
82 CAACCTTC
83 GTCATCCA

84 ACTACACG
85 CGGTTTTG
86 ACCAACAG
87 ACGCATAAC
88 TGACGTGT
89 ATGACCTC
90 CTTGACTC
91 CATTCGA
92 TGTGAACG
93 TGGCGATA
94 ACGTTGGA
95 ATTCAGGC
96 GTAGTCAG
97 AAGCGTCT
98 TCTCTGGA
99 GACACCTT
100 ACCCTAAC
101 AGCTTAGG
102 TGACATCG
103 GAACAACC
104 ATGCTCGT
105 CACCTGTT
106 AGTCCAAG
107 CGTCATAG
108 AGCTTGTC
109 GCGATAGA
110 TCCAGTT
111 GCGCATT
112 GTTCAGCT
113 AGAGGCAA
114 TAAGGTGC
115 CAGACGAT
116 TCGGATGA
117 GAATGAGG
118 CTCTCAG
119 CGGTGAAT
120 CGCAAAGA
121 ACGTAGTG
122 CACTGCAA
123 TTGGCGTT
124 CAATCCTG
125 CTCGCTTT
126 TGGTTCAG
127 CGCCTAAT

128 GAAACCAG
129 CCTTGATG
130 TGGATTCC
131 ATGTTGCG
132 GCAAAACG
133 TCAGCCTT
134 ACGGAACT
135 AAACGGTC
136 GCCCTTAA
137 GGACTACA
138 CCATAGAG
139 ATAGGGAC
140 AGTCGTGA
141 CCTGTGTT
142 AGGCTTTC
143 CTACATCC
144 AGCACGTT
145 GGAGAGAT
146 CCTTGCAT
147 TGCCACAA
148 CAAAAGGC
149 GGTCACTA
150 AGAACGGA
151 CTGAAGTC
152 CACCTTGA
153 CATTGCT
154 ATGTGCAG
155 TAAACCCC
156 ACATGCTG
157 CATTCCG
158 ACCTTGAG
159 GATGGTCA
160 TCTACCTG
161 CTAACCTG
162 GTACCCTT
163 GCATCAAC
164 AAGCAGGA
165 CAGTACAC
166 ATGGAGAG
167 CGTACTTG
168 GGTTTGGT
169 CAAAGCAC
170 CTAAGCTG
171 CAGTTGCA

172 ACTGATCG
173 TTAGGTCG
174 ACTTGCGA
175 GTGGTTCT
176 CCGTCATT
177 TTGAGTGG
178 CATCGCTT
179 CTGGTCAA
180 ATGAGACC
181 CCTCCATA
182 AGATGGCT
183 ACGACGTA
184 TTACACGG
185 TCTGACCA
186 CAAGGGAA
187 CAGACATC
188 CGAATGTG
189 ACGCCAAA
190 TCTGCGAA
191 ATGTCCCA
192 TATCGGGT
193 ACTGCATC
194 CTAGACCT
195 AACTAGG
196 TCTCGAAC
197 TTCCGACA
198 GTACACCA
199 GTTTCGTG
200 GGGATTGT
201 AGATACCG
202 GTACAGAC
203 GTTAACGG
204 TGATCTCC
205 AAGACCGT
206 TTTTGCCC
207 CAAAGTGG
208 GGTGTTAC
209 GTCGAGTA
210 GTTAGCTC
211 CGATACTC
212 GCTATCAG
213 TTCGTGCA
214 GCAACTCT
215 GGACCAAT

216 AGTTTCCC
217 ACCGATGT
218 AGGAGCTA
219 GAGTGTGT
220 ACACTGCT
221 CTCTGAGT
222 GCAGATAG
223 CGAAGTTC
224 TGAAAGCC
225 GCAATGCA
226 ATCGCAAC
227 ATGCTGAC
228 GACTCTTC
229 AGGACACA
230 CTCACATG
231 GGTAGAAC
232 GGATTGAC
233 CGTAGGTA
234 AAGGAAGC
235 CAGACTCA
236 GTCTAAGC
237 TGGGTACA
238 CACTTAGC
239 GATCCTGA
240 CTTATCCC
241 TAACTGGG
242 AGTAAGGG
243 AGAGTGCA
244 AAAGGGGT
245 CATGGGTC
246 AACTGTCTG
247 ATAGCCGT
248 TATGCTCC
249 GATACGAC
250 GTACGTCT
251 ACTTCGCA
252 CGCTATAC
253 TCTGAGTC
254 ACGAATGG
255 GCGAAGAT
256 CGCTTCTT
257 ACGGTAAG
258 ATTGCCAG
259 TCTAGCCT

260 AACTAGCC
261 TCGGGTTT
262 ACTTCCAC
263 TAGCCCAA
264 TACGCATC
265 TACGATGG
266 TATGGGAC
267 GGCGTAAA
268 CAAGGTCT
269 TTCTGGTC
270 CTGCTACT
271 TGGTTGCT
272 ATCTGCCT
273 CCAGGAAT
274 GGTCCTTT
275 AGCAAGAC
276 GAGGCTTT
277 CCTACCAA
278 ACGTTTCC
279 ACAGTGTG
280 ATGGCTTG
281 TTTGTGGC
282 CACATGAC
283 TAAGTGCC
284 CTTTGAG
285 CGCTTGAA
286 ATCACGAG
287 TGCCTTAG
288 AAGTTCGG
289 TCGTACCT
290 ATAGCACG
291 GACAGTAG
292 GGAATCTC
293 AGTCAGCA
294 ATGTCAGC
295 GTGTGGAT
296 TCGCACTA
297 ACTTGACC
298 GTTTGTGG
299 GAATGTCC
300 TATCACGC
301 CCTGAAAG
302 CATCCGAA
303 GTGCAATC

304 TGTTGTC
 305 GGTGATTG
 306 GCAGTACT
 307 CGTCTATG
 308 TCGGTTAC
 309 AACCATGC
 310 GCTACTTC
 311 TGAGGGTA
 312 TACAGGCA
 313 GCTGTTGA
 314 GTGTCACT
 315 GTCCTAGT
 316 CACCAACT
 317 CGCCATTA
 318 ATACCGCA
 319 CGTGGAAA
 320 GCACTATC
 321 CTCCTTAC
 322 AGTGCTCA
 323 TACACCGA
 324 TCGTGAAG
 325 TGCTCATG
 326 GCAAGAGT
 327 GTGTTGTC
 328 GCACGAAA
 329 ATCCTGGA
 330 ATGGGTGT
 331 AGCGTCAT
 332 CTAGCCTA
 333 ATCCTTCG
 334 ATCCGTTT
 335 AGAATCGG
 336 TCTGTACC

0	ATCATGCC	1	CTCGATCA	2	GCTCTTCT	3	AGTGGGAT	4	ACTCTCTG
5	AATCTGCG	6	ACTCACGT	7	CTTCCAAC	8	GCTTCTAG	9	TAGGAGGT
10	GATCGACT	11	TAACGCTG	12	TAAGCGGA	13	CTGTGATC	14	CCCTAATC
15	TGGAAGGA	16	TACTACCG	17	CTTATGGG	18	TCAGCAAG	19	CGACTTCT
20	AGTGTCGA	21	TGCGATTC	22	CAACGACA	23	GATCTGTC	24	GCCAACTA
25	ATGAGGGA	26	TAGAACGG	27	CCGTAACA	28	TAGACTGC	29	GCTGGATT
30	GTGAGTCA	31	TCATGGAC	32	ACCACTAC	33	TCCTAAGG	34	GGCTAAAG
35	CCAACTGA	36	TCGTCTTG	37	TTGGGAAC	38	AATAGCCC	39	CTGTGCGA
40	CCCCATAT	41	AACCTCTC	42	GGTTTACG	43	GCAGAAGA	44	TAGAGGAG
45	GAAAGGGA	46	ATCGACGA	47	GCAAGTAC	48	TCAGACAC	49	CTTGTTG

50	TAGCATCC	51	GATACTCG	52	AATGCCCT	53	AACCCTAG	54	CACACGTA
55	GCCTATCT	56	GAGCTCTA	57	TGAAGCGA	58	TAACCGCT	59	GAACCTGT
60	GAGGGAAA	61	TGTCTAGC	62	CGAACCTT	63	AGGAATCC	64	AGGTGGAA
65	TACCCAGT	66	TCACGTAG	67	TATCCGTG	68	TTCGAACC	69	AGCTCTGA
70	GTTGCACA	71	AAGCCGTT	72	TCACATGC	73	CCCAAGAA	74	CTCAGTCT
75	ATCGGTAG	76	ACGGACAA	77	CCAGTTCA	78	TTATCCCG	79	GTACGATG
80	TCTACGGT	81	CAACCTTC	82	GTCATCCA	83	ACTACACG	84	CGGTTTTG
85	ACCAACAG	86	ACGCATAC	87	TGACGTGT	88	ATGACCTC	89	CTTGACTC
90	CATTCCGA	91	TGTGAACG	92	TGGCGATA	93	ACGTTGGA	94	ATTCAGGC
95	GTAGTCAG	96	AAGCGTCT	97	TCTCTGGA	98	GACACCTT	99	ACCCTAAC
100	AGCTTAGG	101	TGACATCG	102	GAACAACC	103	ATGCTCGT	104	CACCTGTT
105	AGTCCAAG	106	CGTCATAG	107	AGCTTGTC	108	GCGATAGA	109	TCCCAGTT
110	GCGCATT	111	GTTCAGCT	112	AGAGGCAA	113	TAAGGTGC	114	CAGACGAT
115	TCGGATGA	116	GAATGAGG	117	CTTCTCAG	118	CGGTGAAT	119	CGCAAAGA
120	ACGTAGTG	121	CACTGCAA	122	TGCGGTT	123	CAATCCTG	124	CTCGCTTT
125	TGGTTCAG	126	CGCCTAAT	127	GAAACCAG	128	CCTTGATG	129	TGGATTCCG
130	ATGTTGCG	131	GCAAAACG	132	TCAGCCTT	133	ACGGAACT	134	AAACGGTC
135	GCCCTTAA	136	GGACTACA	137	CCATAGAG	138	ATAGGGAC	139	AGTCGTGA
140	CCTGTGTT	141	AGGCTTTC	142	CTACATCC	143	AGCACGTT	144	GGAGAGAT
145	CCTTGCAT	146	TGCCACAA	147	CAAAAGGC	148	GGTCACTA	149	AGAACGGA
150	CTGAAGTC	151	CACCTTGA	152	CATTTCGT	153	ATGTGCAG	154	TAAACCCC
155	ACATGCTG	156	CATTTCCG	157	ACCTTGAG	158	GATGGTCA	159	TCTACCTG
160	CTAACTCG	161	GTACCCTT	162	GCATCAAC	163	AAGCAGGA	164	CAGTACAC
165	ATGGAGAG	166	CGTACTTG	167	GGTTTGGT	168	CAAAGCAC	169	CTAAGCTG
170	CAGTTGCA	171	ACTGATCG	172	TTAGGTCG	173	ACTTGCGA	174	GTGTTTCT
175	CCGTCATT	176	TTGAGTGG	177	CATCGCTT	178	CTGGTCAA	179	ATGAGACC
180	CCTCCATA	181	AGATGGCT	182	ACGACGTA	183	TTACACGG	184	TCTGACCA
185	CAAGGGAA	186	CAGACATC	187	CGAATGTG	188	ACGCCAAA	189	TCTGCGAA
190	ATGTCCCA	191	TATCGGGT	192	ACTGCATC	193	CTAGACCT	194	ACACTAGG
195	TCTCGAAC	196	TTCCGACA	197	GTACACCA	198	GTTTCGTG	199	GGGATIGT
200	AGATACCG	201	GTACAGAC	202	GTAAACGG	203	TGATCTCC	204	AAGACCGT
205	TTTTGCC	206	CAAAGTGG	207	GGTGTTAC	208	GTCGAGTA	209	GTTAGCTC
210	CGATACTC	211	GCTATCAG	212	TTCGTGCA	213	GCAACTCT	214	GGACCAAT
215	AGTTTCCC	216	ACCGATGT	217	AGGAGCTA	218	GAGTGTGT	219	ACACTGCT
220	CTCTGAGT	221	GCAGATAG	222	CGAAGTTC	223	TGAAAGCC	224	GCAATGCA
225	ATCGCAAC	226	ATGCTGAC	227	GACTCTTC	228	AGGACACA	229	CTCACATG
230	GGTAGAAC	231	GGATTGAC	232	CGTAGGTA	233	AAGGAAGC	234	CGCTATAC
235	GTCTAAGC	236	TGGGTACA	237	CACTTAGC	238	GATCCTGA	239	CTTATCCC
240	TAACGGGG	241	AGTAAGGG	242	AGAGTGCA	243	AAAGGGGT	244	CATTGGTC
245	AACTGTGC	246	ATAGCCGT	247	TATGCTCC	248	GATACGAC	249	GTACGTCT
250	ACTTCGCA	251	CGCTATAC	252	TCTGAGTC	253	ACGAATGG	254	GCGAAGAT
255	CGCTTCTT								

