



(a)

66	63	Blank	1	2	3	4	5	1	2	3	4	5	Blank	63	66
6	7	8	9	10	12	14	15	6	7	8	9	10	12	14	15
16	17	18	19	20	21	22	23	16	17	18	19	20	21	22	23
24	27	28	29	31	32	33	34	24	27	28	29	31	32	33	34
35	36	37	38	39	40	41	42	35	36	37	38	39	40	41	42
44	1B	3B	5B	11B	13B	15B	21B	44	1B	3B	5B	11B	13B	15B	21B
66	63	Blank	1	2	3	23B	25B	23B	25B	1	2	3	Blank	63	66
4	5	6	7	8	9	10	12	4	5	6	7	8	9	10	12
14	15	16	17	18	19	20	21	14	15	16	17	18	19	20	21
22	23	24	27	28	29	31	32	22	23	24	27	28	29	31	32
33	34	35	36	37	38	39	40	33	34	35	36	37	38	39	40
41	42	44	1B	3B	5B	11B	13B	41	42	44	1B	3B	5B	11B	13B
66	63	Blank	66	15B	21B	23B	25B	15B	21B	23B	25B	66	Blank	63	66

(b)

ZipCode Number	Sequence 5' -> 3'
1	GATGATCGACGAGACACTCTCGCCA
2	CGGTGACGAGCTGCCGCGCAAGAT
3	GACATTGCGATCGCCGCCGCTTT
4	CGGTATCGCGACCGCATCCCAATCT
5	GCTCGAAGAGGCGCTACAGATCCTC
6	CACCGCCAGCTCGGCTTCGAGTTCG
7	CGACTCCCTGTTTGTGATGGACCAC
8	CTTTTCCCGTCCGTTCATCGCTCAAG
9	GGCTGGGTCTACAGATCCCAACTT
10	GAACCTTTCGCTTACCGGCCGATC
12	TTTCGGCACGCGCGGGATCACCATC
14	CTCGGTGGTGCTGACGGTGAATCC
15	TCAACGTGCCAGCGCGTCTGGGA
16	GCGAAGGAACTCGACGTGGACGCCG
17	CGGGGATACCGATCTCGGGCGCACA
18	GGAGCTTACGCCATCACGATGCGAT
19	CGTGGCGGTGCGGAGTTCCCGGAA
20	CGATCCAACGCACTGGCCAAACCTA
21	CTGAATCCTCCAACCGGGTTGTCTGA
22	TTCCGGCGCTGGCGTAAAGCTTTGG
23	GTAAATCTCCAGCGGAAGGGTACGG
24	CCGGCTTTGAACTGCTCACCGATCT
27	ACTACGCAACACCGAACGGATACCC
28	GGACCAATGGTCCCATTGACCAAGT
29	CAACGCTGAGCGCTCACTGACATA
31	GAGACAAAGGTCTGCGCCAGCACCA
32	TGGCCACACTGTCCATTTGCGCGGT
33	CCTTGCGACGTGTCAAGTTGGGGTC
34	AGGTTAGGGTTCGCGCCAAACTCTCC
35	ACGACTGCGAGGTGCGGTAAGCACA
36	GCGATCGCCGGGAGATATACCCAAC
37	TCGTGCCGGAAGTTCGAGCACCATAC
38	GCTTTAGCACCGCGATGGCGTAGAC
39	CAGCCGCGGTACTGAATGCGATGCT
40	CCCCGGATAGCTGACGAGGCTTACG
41	TCCGGACAGGTTGGGGTTCGTTTTGG
42	CGTAGAGCAACGCGATACCCCGAC
44	AGCAGCAGTGACAATGCCACCGCGG
1B	TGCGACCTCAGCATCGACCTCAGC
3B	CAGCACCTGACCATCGATCGCAGC
5B	GACCACCTTTCGATCGGGTACAGC
11B	TGCGGGTACAGCACCTACCTTGCG
13B	CAGCGGTAGACCACCTATCGTGCG
15B	GACCGGTATGCGACCTGGTATGCG
21B	TGCGATCGCAGCGGTAACCTGACC
23B	CAGCATCGGACCGGTAATCGGACC
25B	GACCATCGTGGGGTAGGTAGACC
63	TGGCACCGACGGCTGGCACACCAC
66	TACCGGCGGCAGCACCGGTAAC

(c)