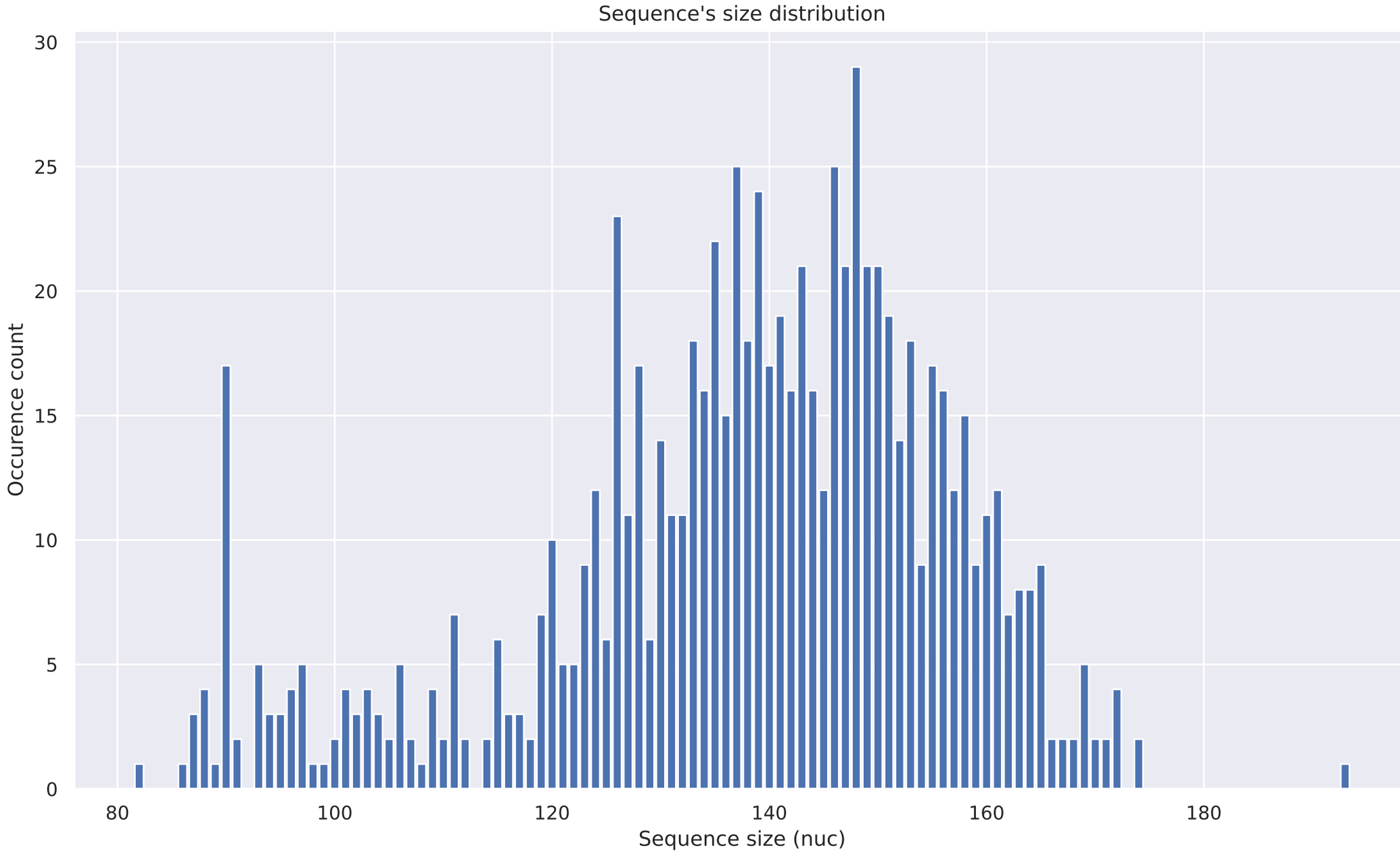
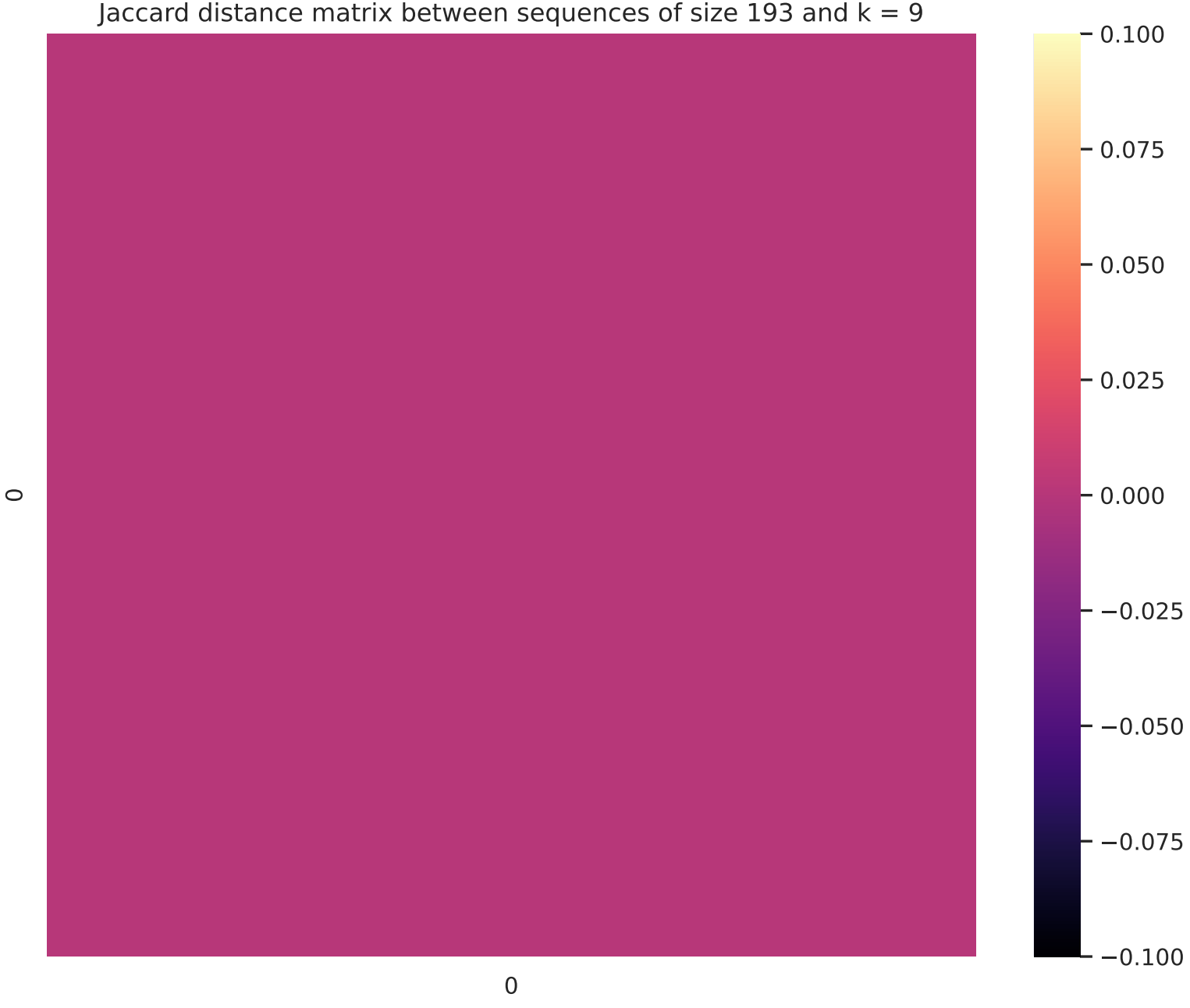
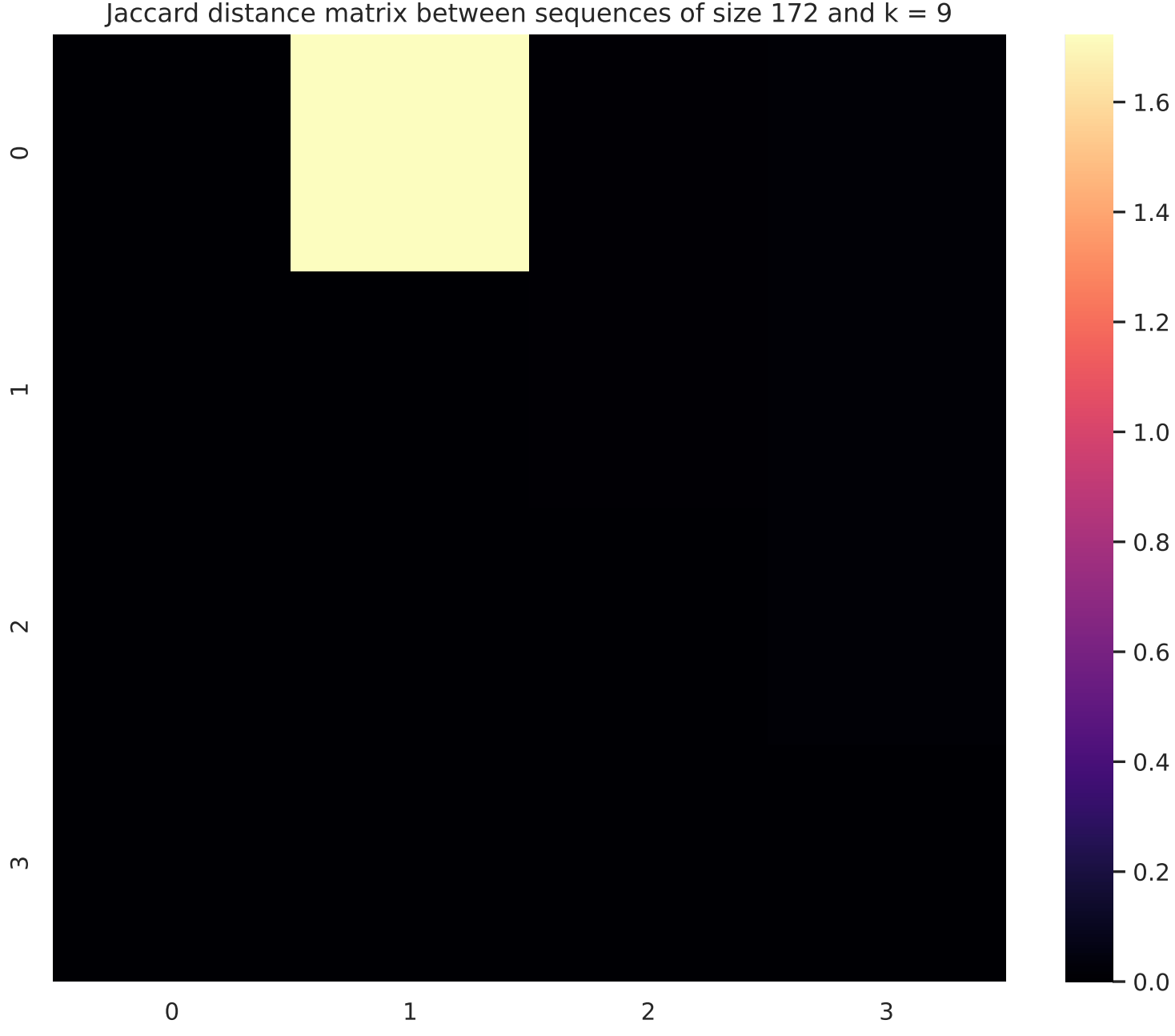
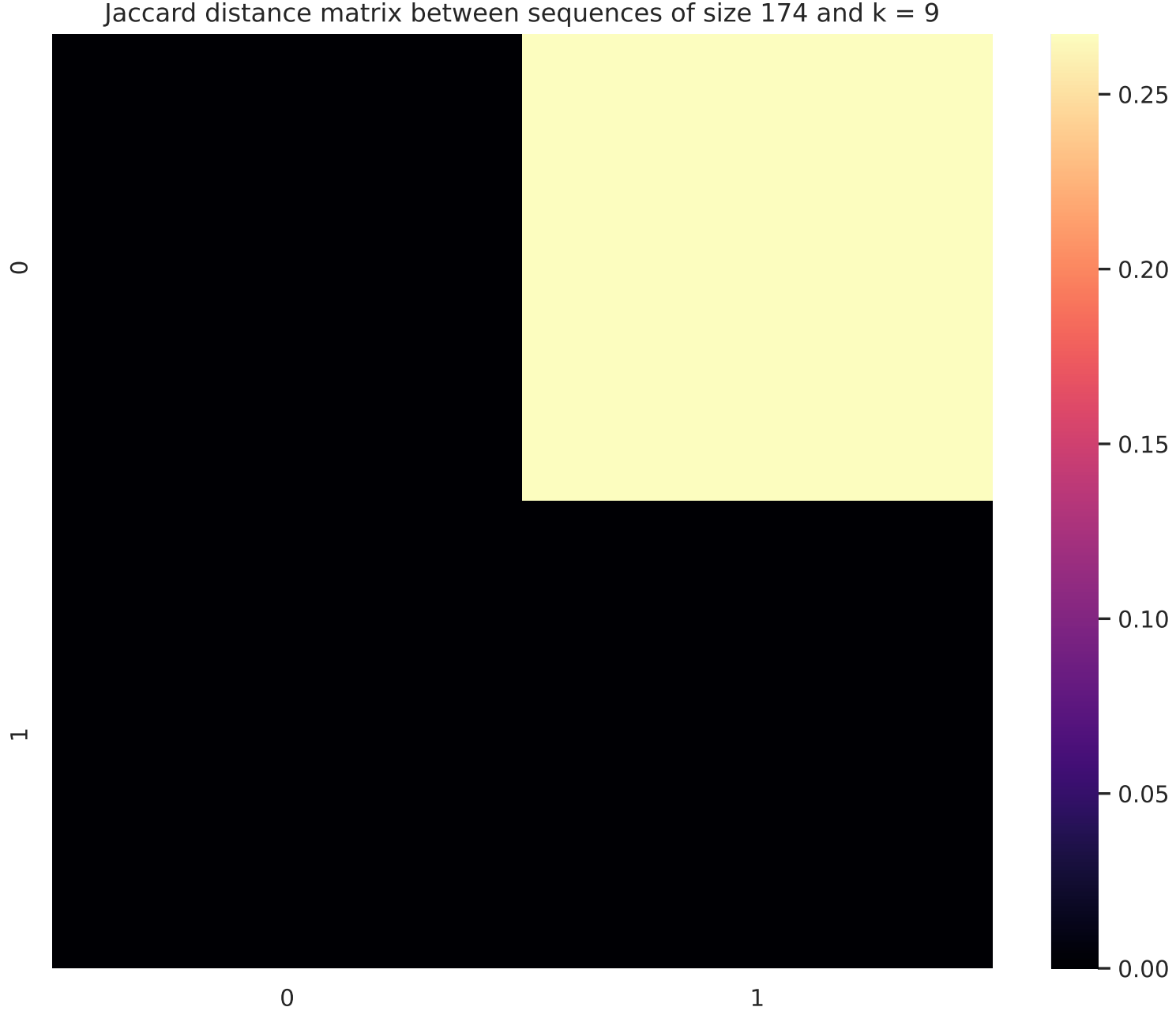
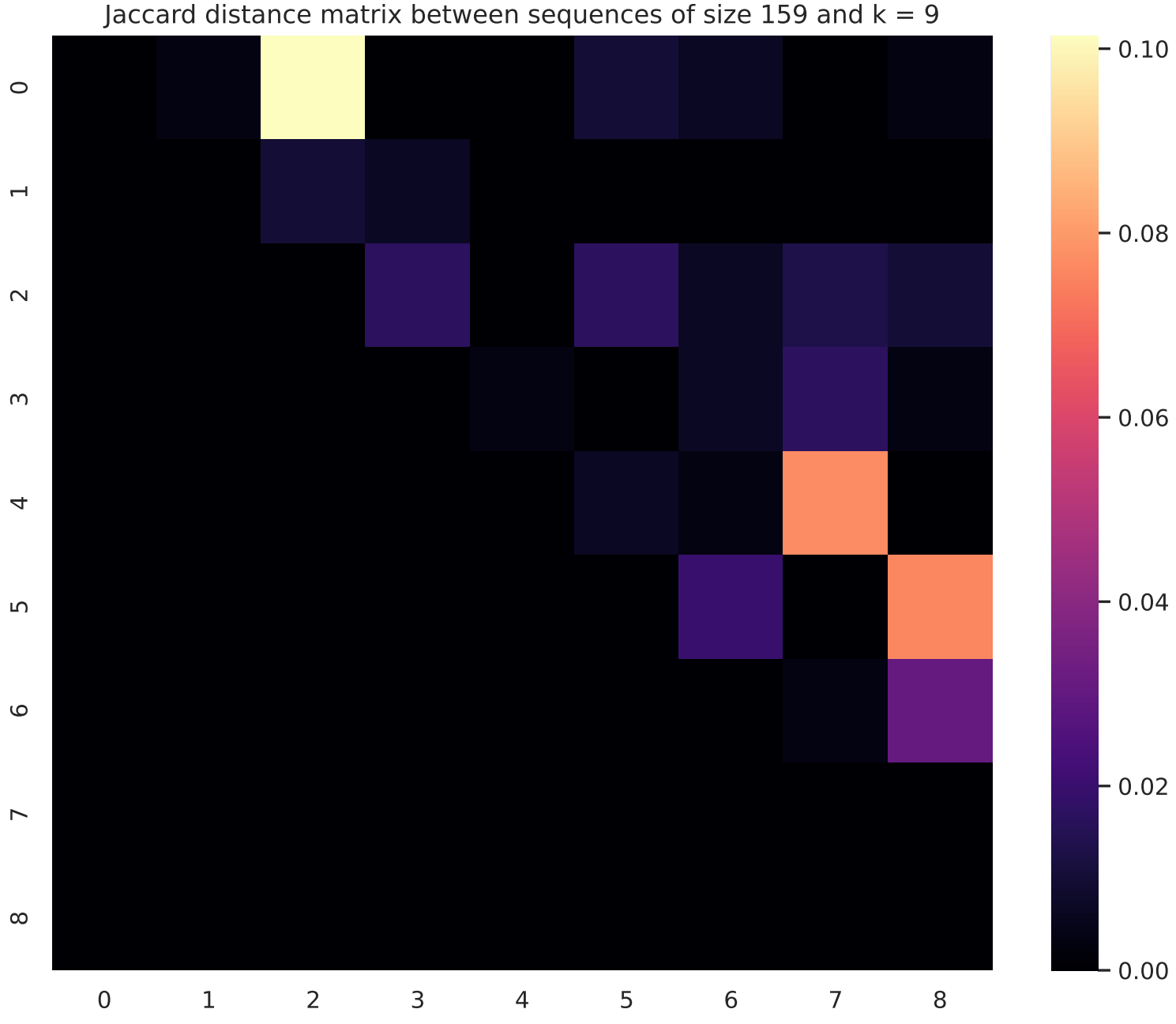
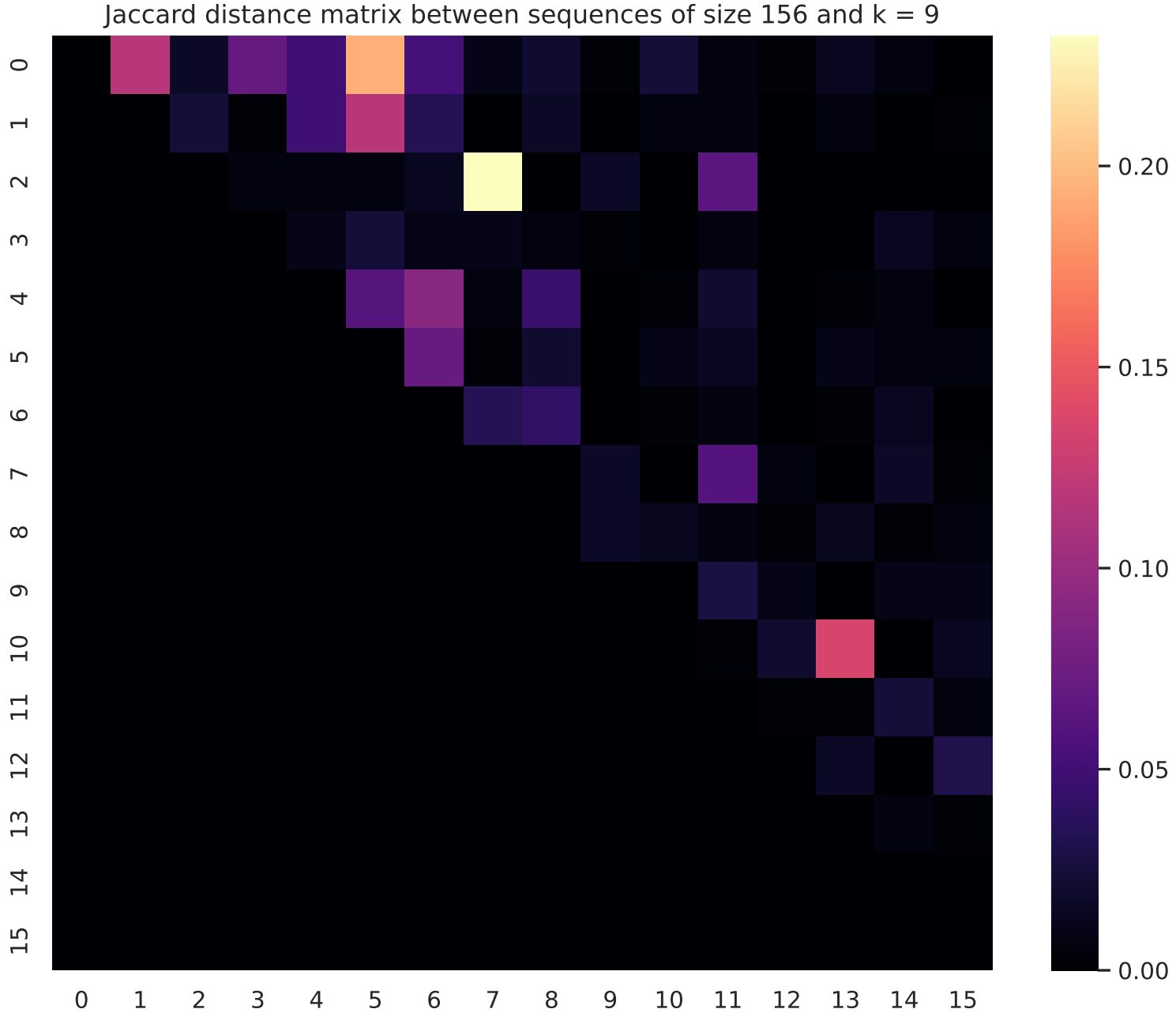

Sequence's size distribution
Occurence count
0
5
10
15
20
25
30
80
100
120
140
160
180
Sequence size (nuc)

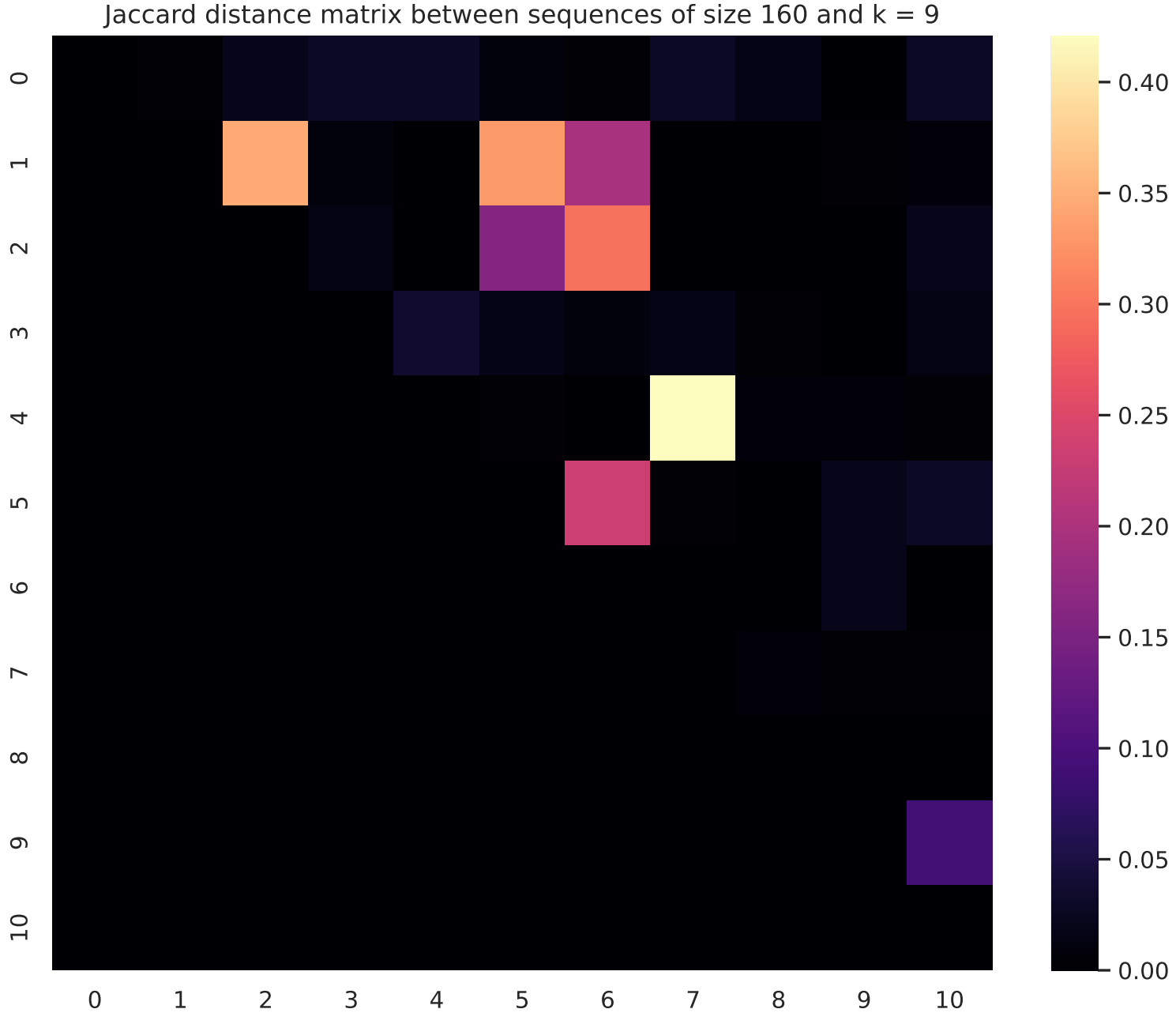

Jaccard distance matrix between sequences of size 193 and k = 9
0
0
0.100
0.075
0.050
0.025
0.000
−0.025
−0.050
−0.075
−0.100

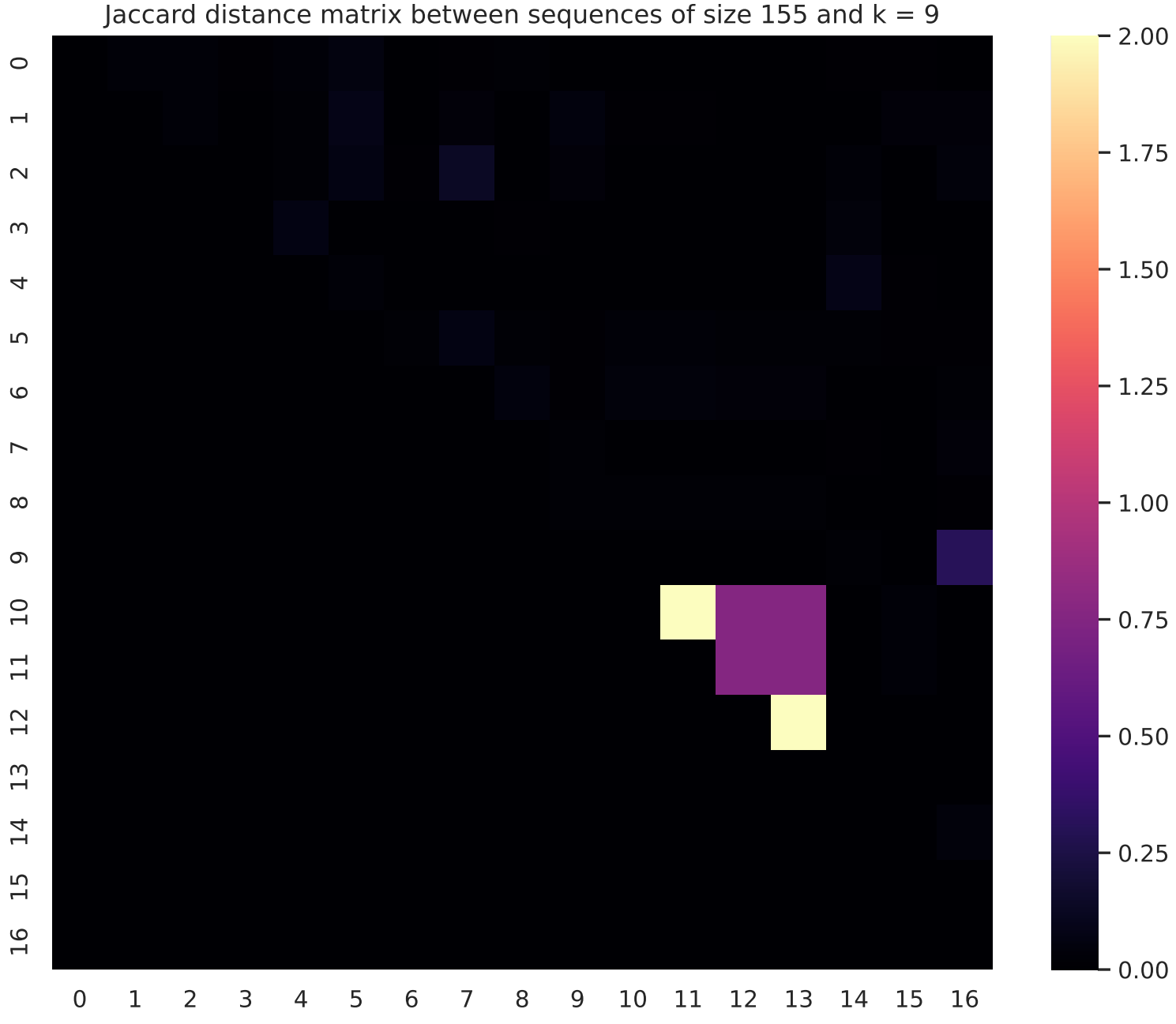

Jaccard distance matrix between sequences of size 172 and k = 9
0
1
2
3
0
1
2
3
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0

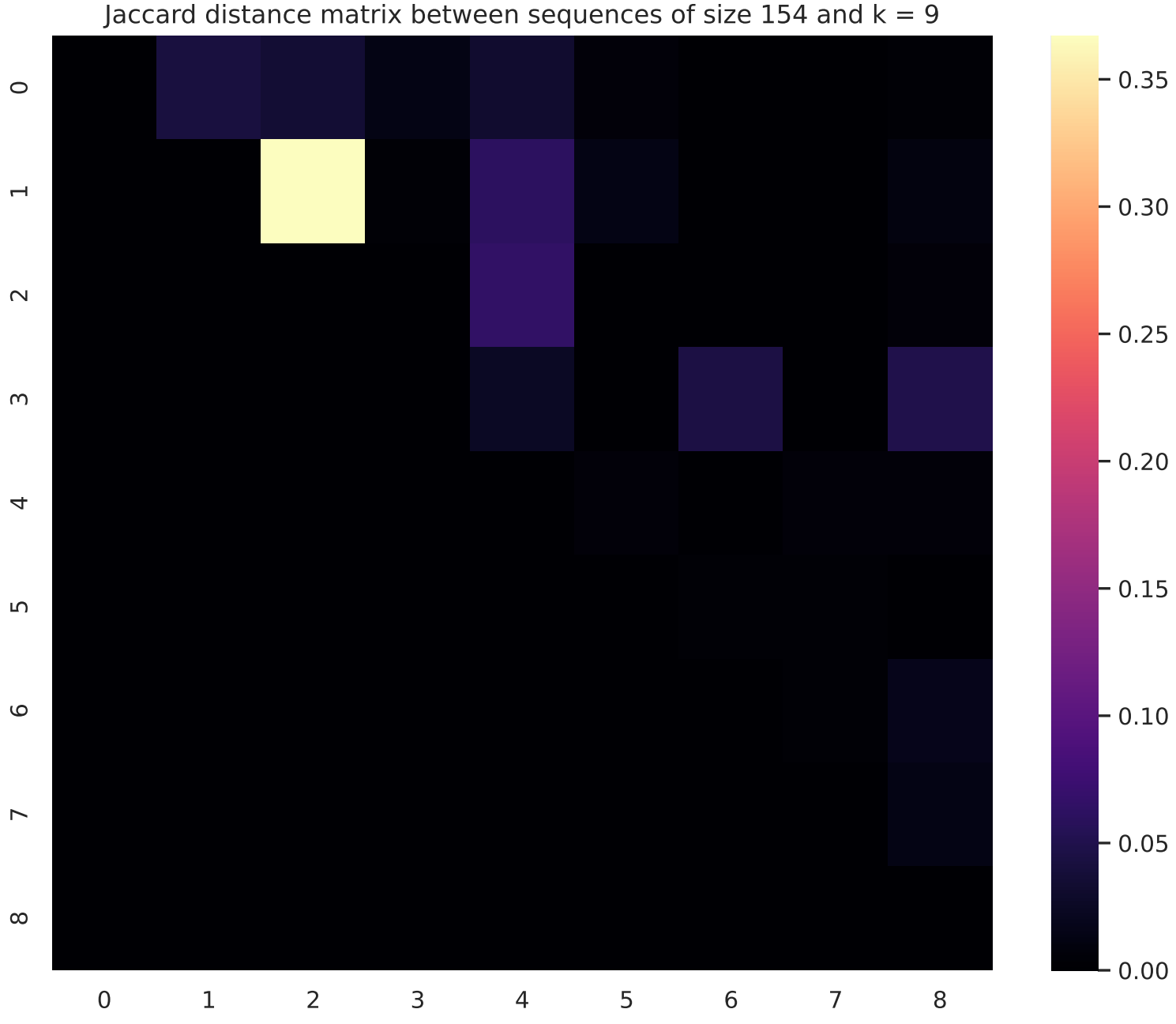

Jaccard distance matrix between sequences of size 174 and k = 9
0
1
0
1
0.25
0.20
0.15
0.10
0.05
0.00

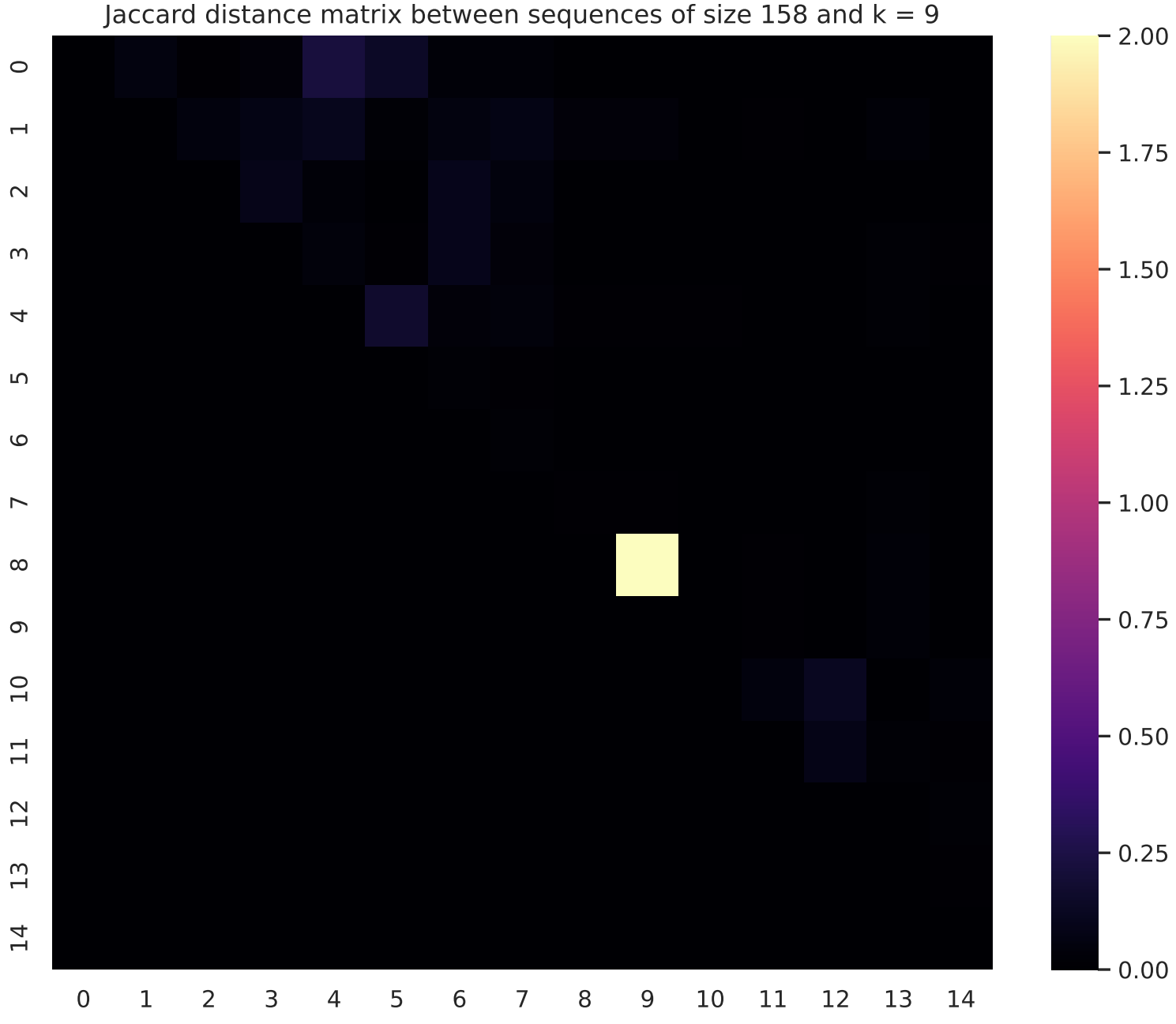

Jaccard distance matrix between sequences of size 159 and k = 9
0
1
2
3
4
5
6
7
8
0
1
2
3
4
5
6
7
8
0.10
0.08
0.06
0.04
0.02
0.00

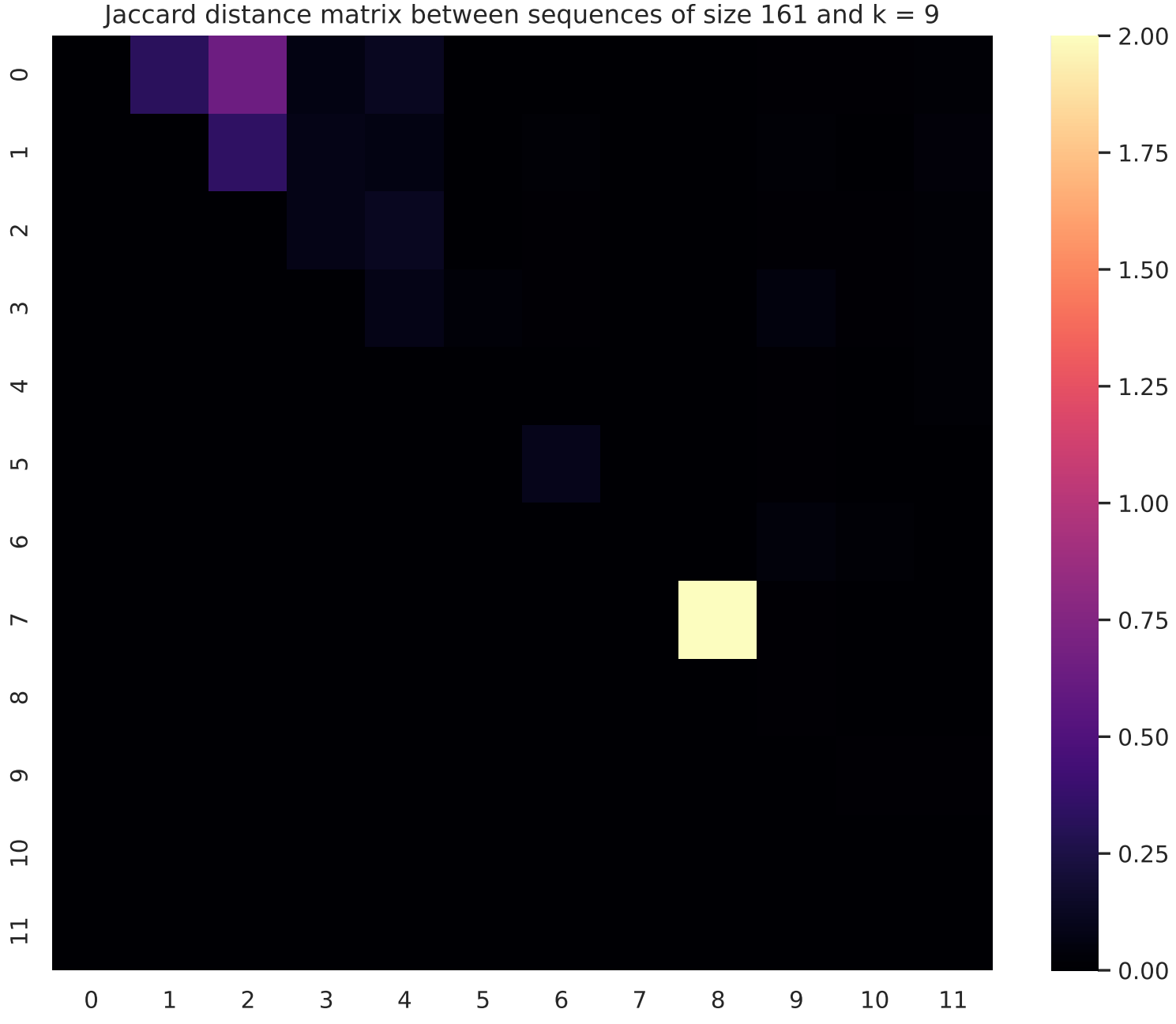

Jaccard distance matrix between sequences of size 156 and k = 9
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
0.20
0.15
0.10
0.05
0.00

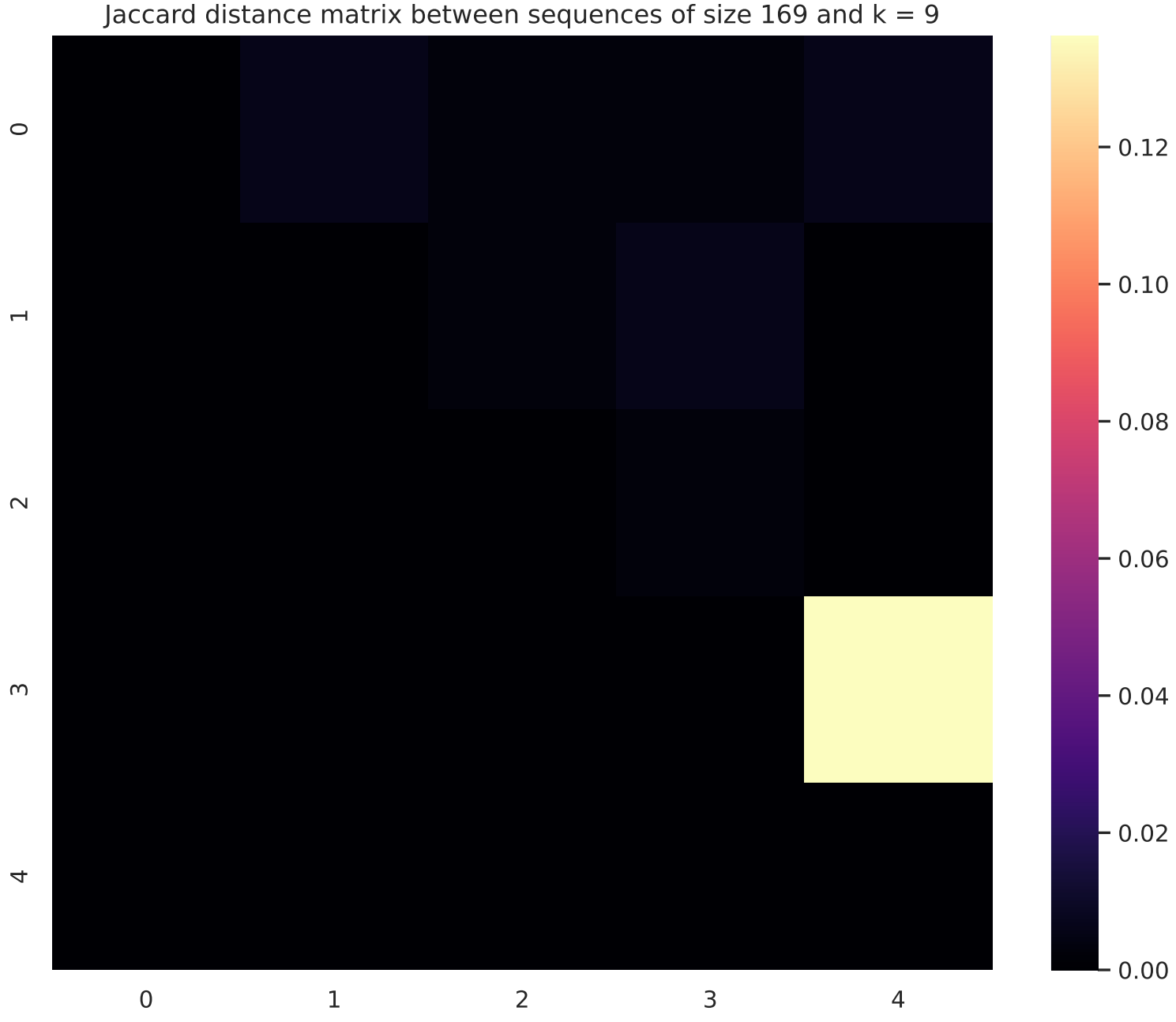

Jaccard distance matrix between sequences of size 160 and k = 9
0
1
2
3
4
5
6
7
8
9
10
0
1
2
3
4
5
6
7
8
9
10
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00

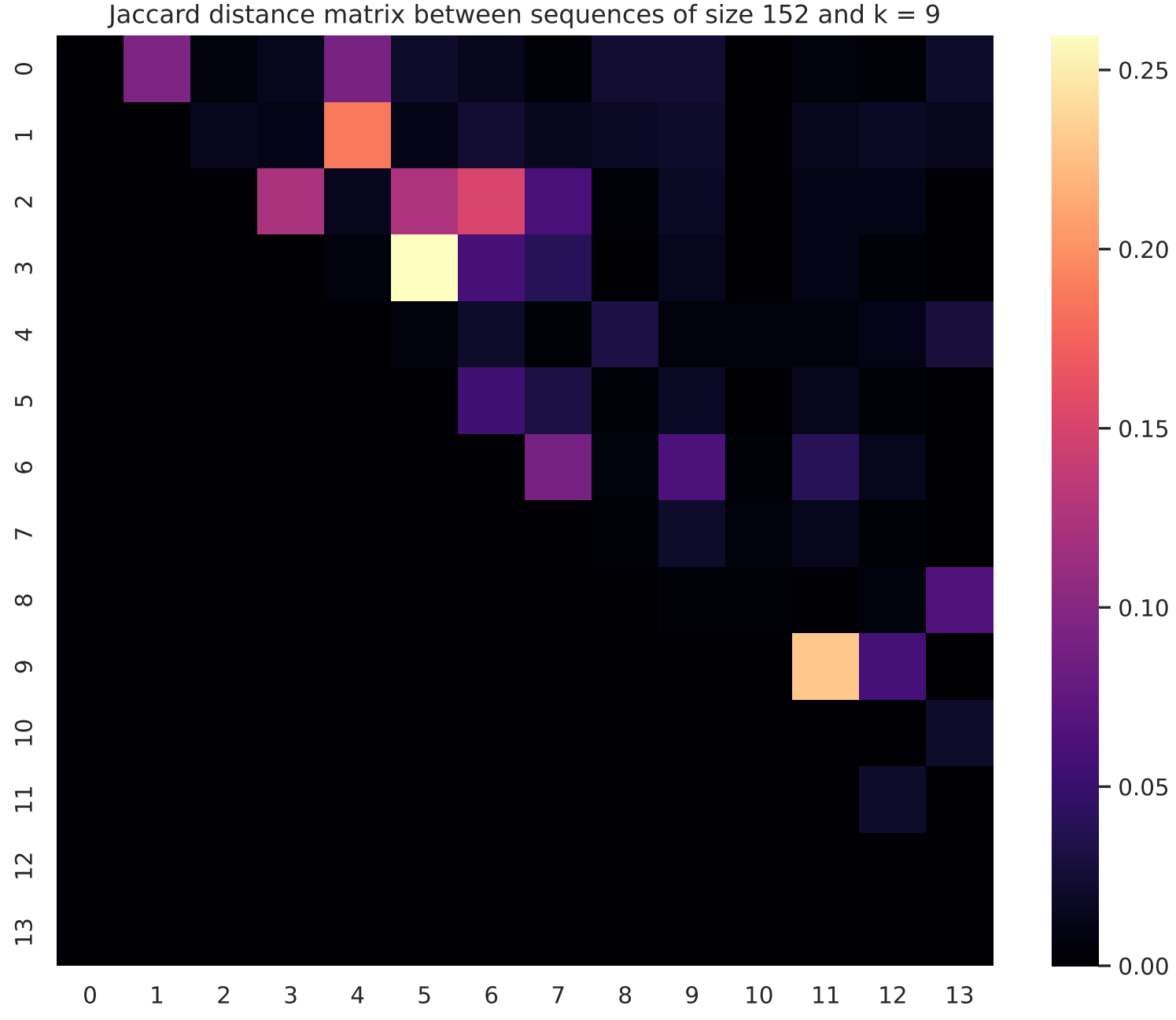

Jaccard distance matrix between sequences of size 155 and k = 9
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00

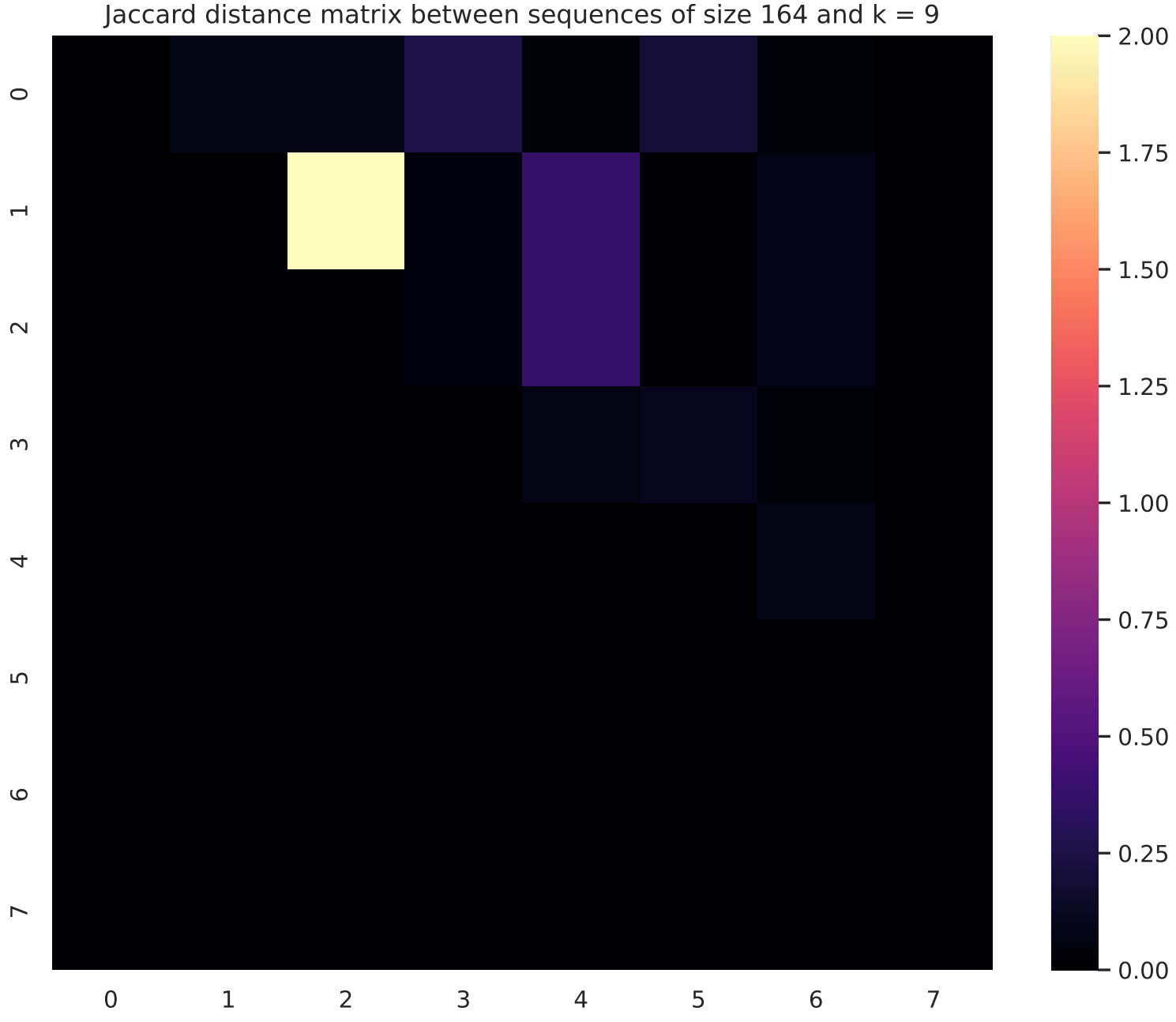

Jaccard distance matrix between sequences of size 154 and k = 9
0
1
2
3
4
5
6
7
8
0
1
2
3
4
5
6
7
8
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00

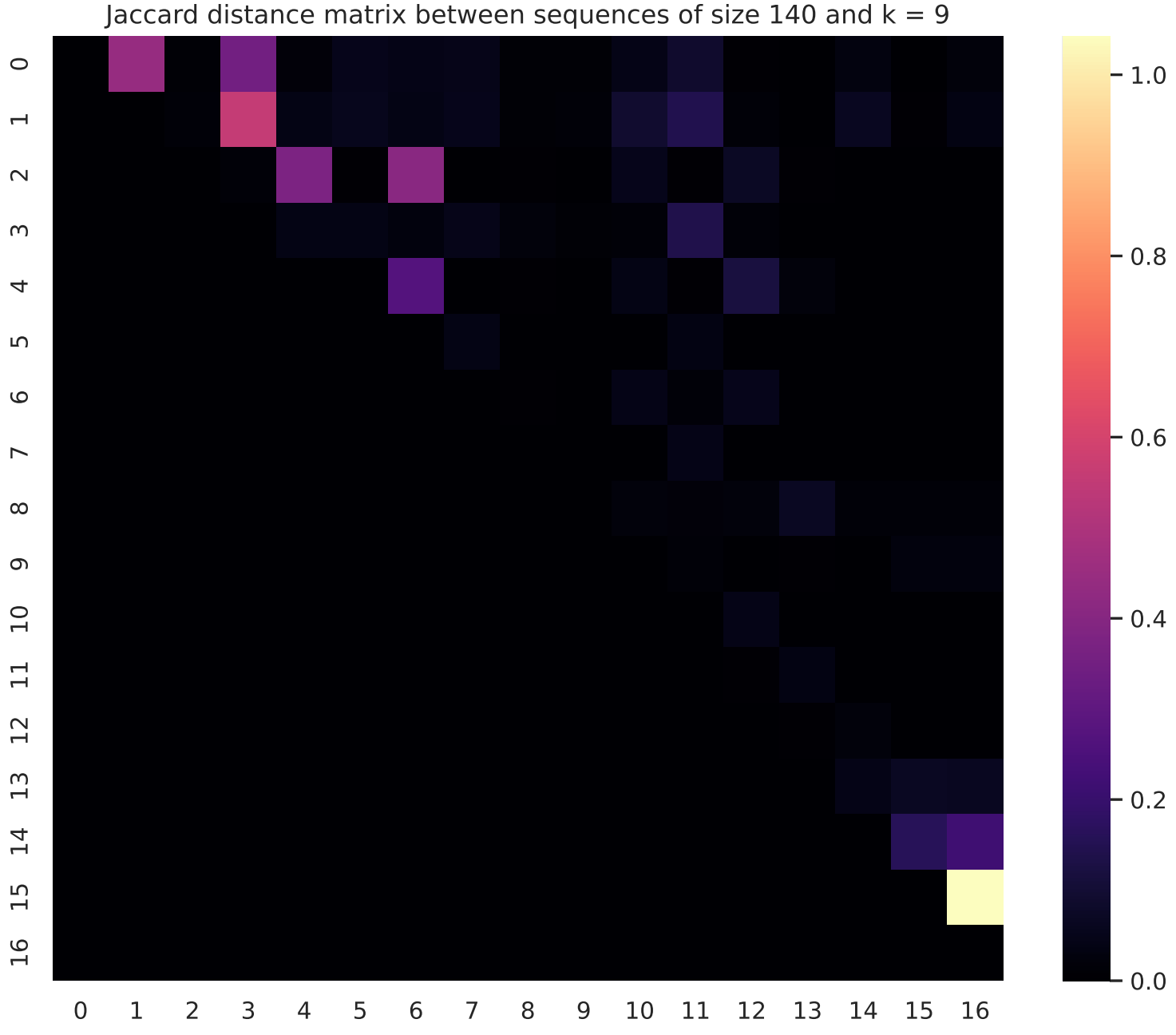

Jaccard distance matrix between sequences of size 158 and k = 9
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00

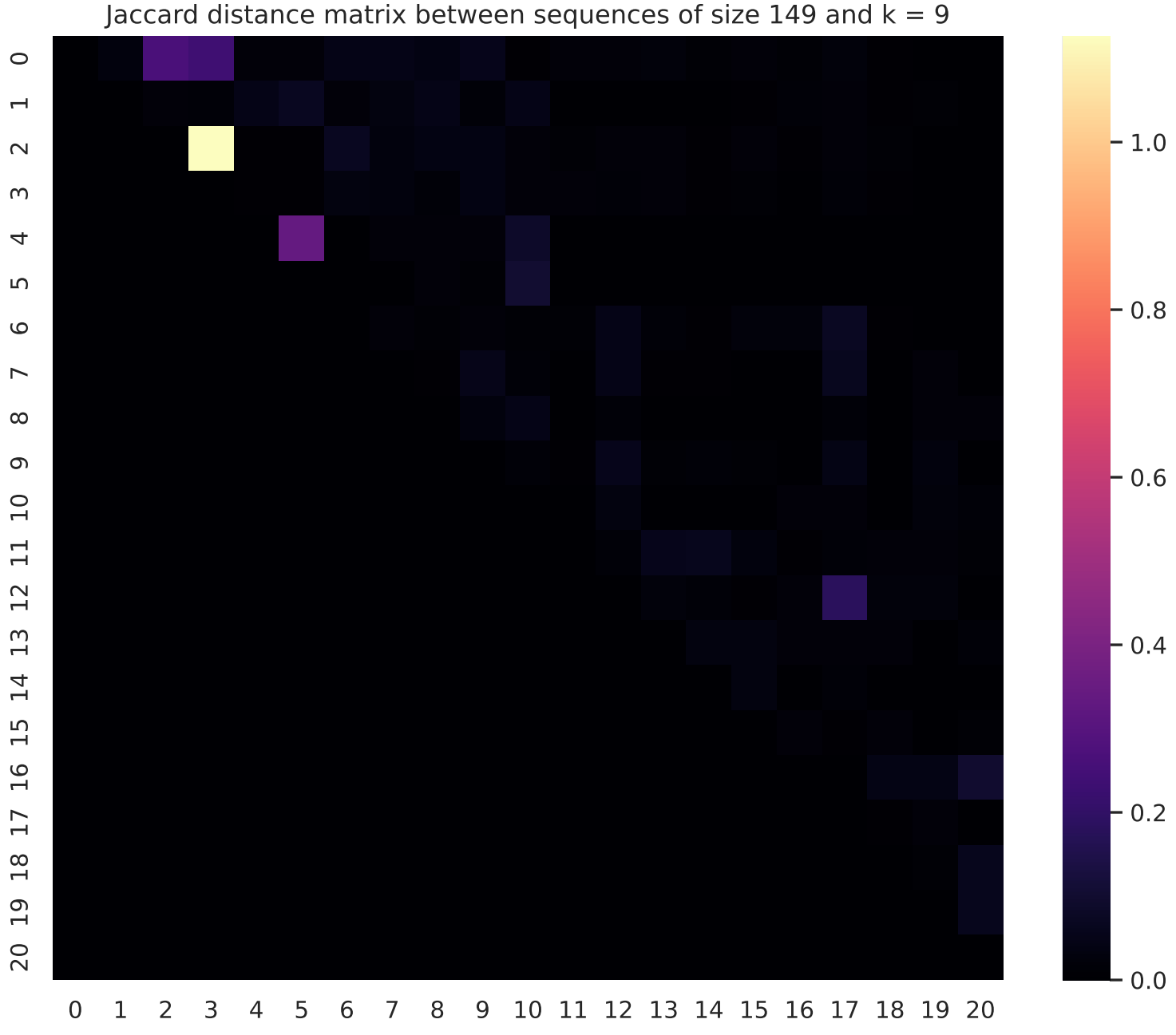

Jaccard distance matrix between sequences of size 161 and k = 9
0
1
2
3
4
5
6
7
8
9
10
11
0
1
2
3
4
5
6
7
8
9
10
11
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00

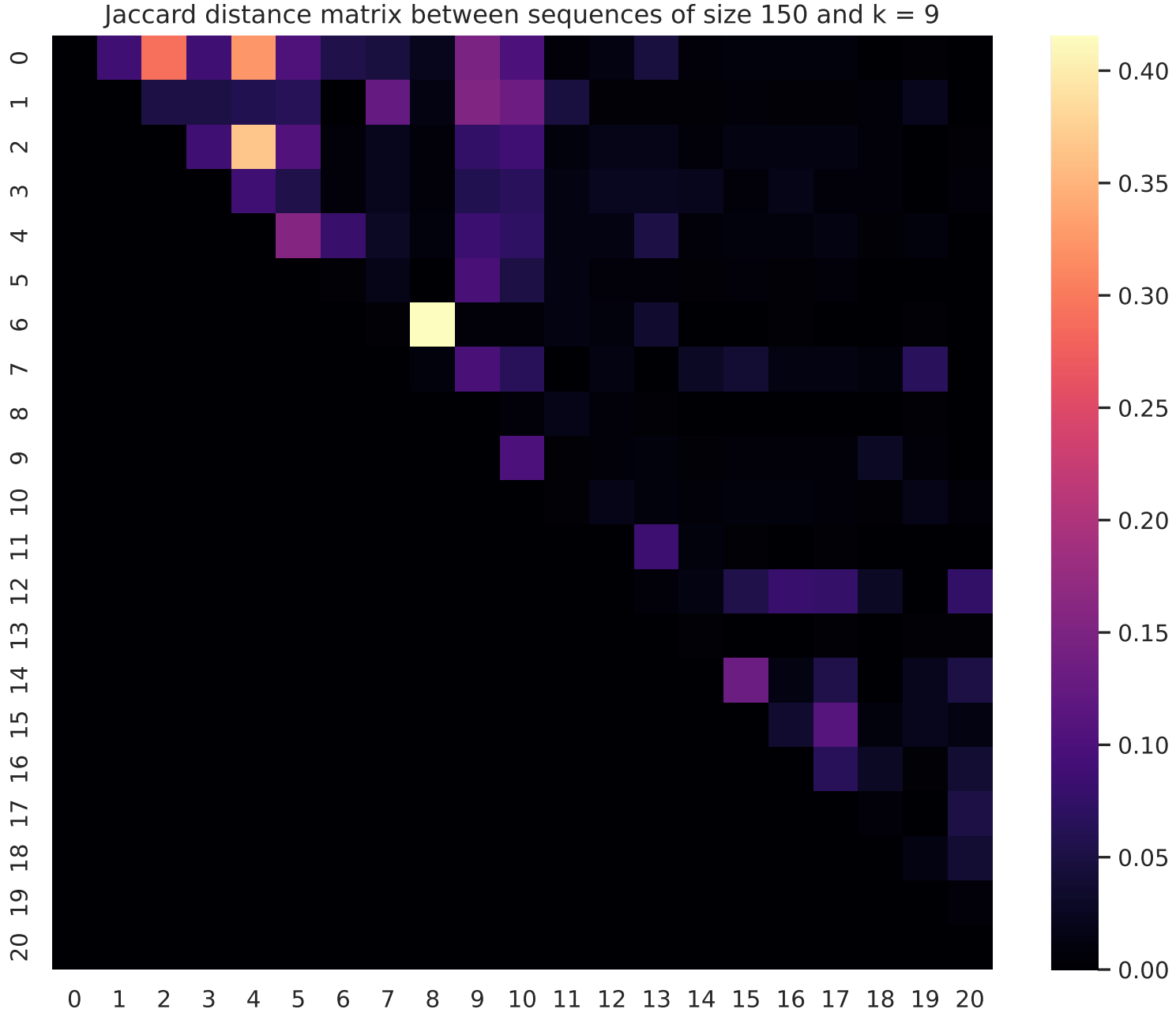

Jaccard distance matrix between sequences of size 169 and k = 9
0
1
2
3
4
0
1
2
3
4
0.12
0.10
0.08
0.06
0.04
0.02
0.00

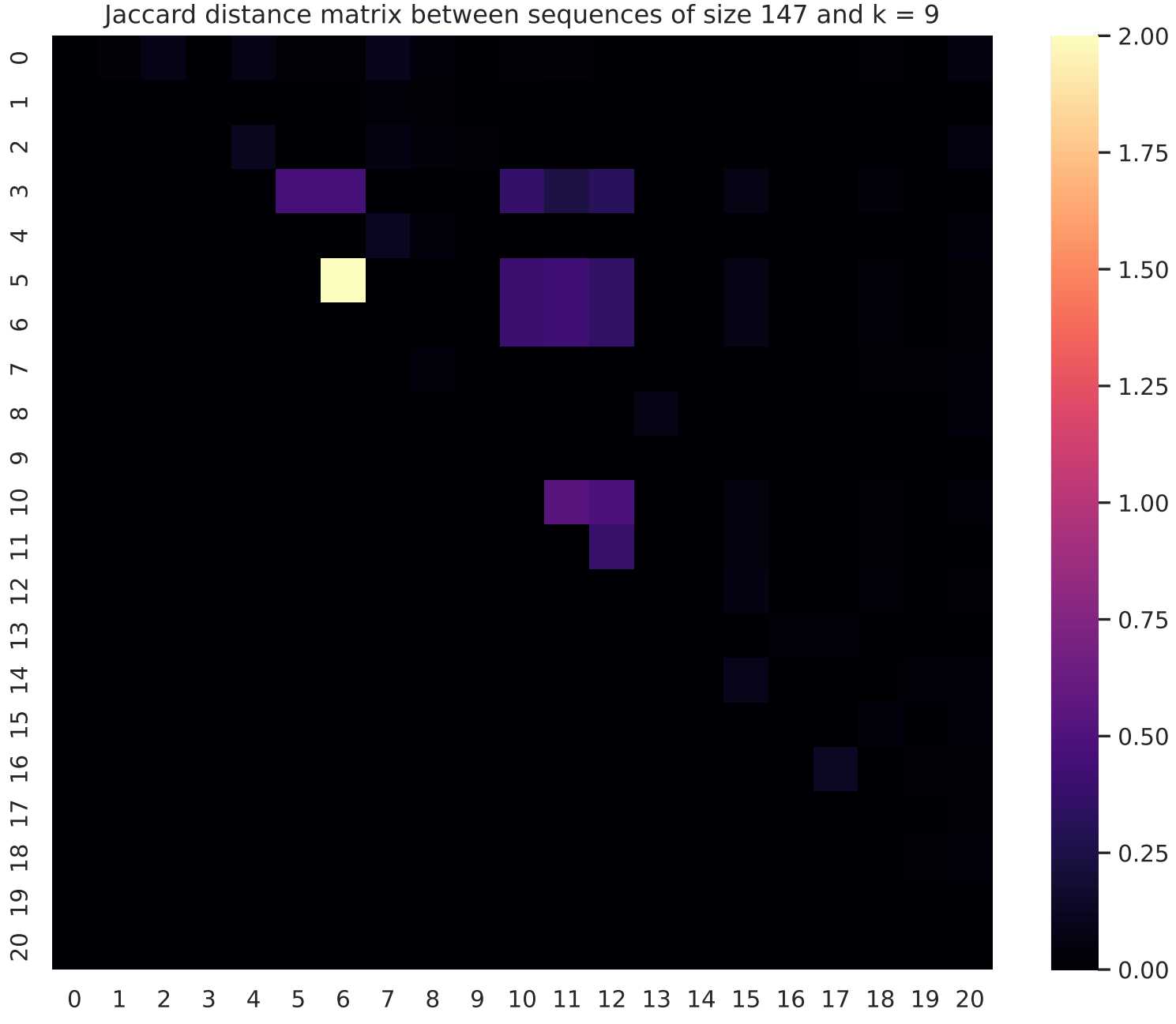

Jaccard distance matrix between sequences of size 152 and k = 9
0
1
2
3
4
5
6
7
8
9
10
11
12
13
0.25
0.20
0.15
0.10
0.05
0.00

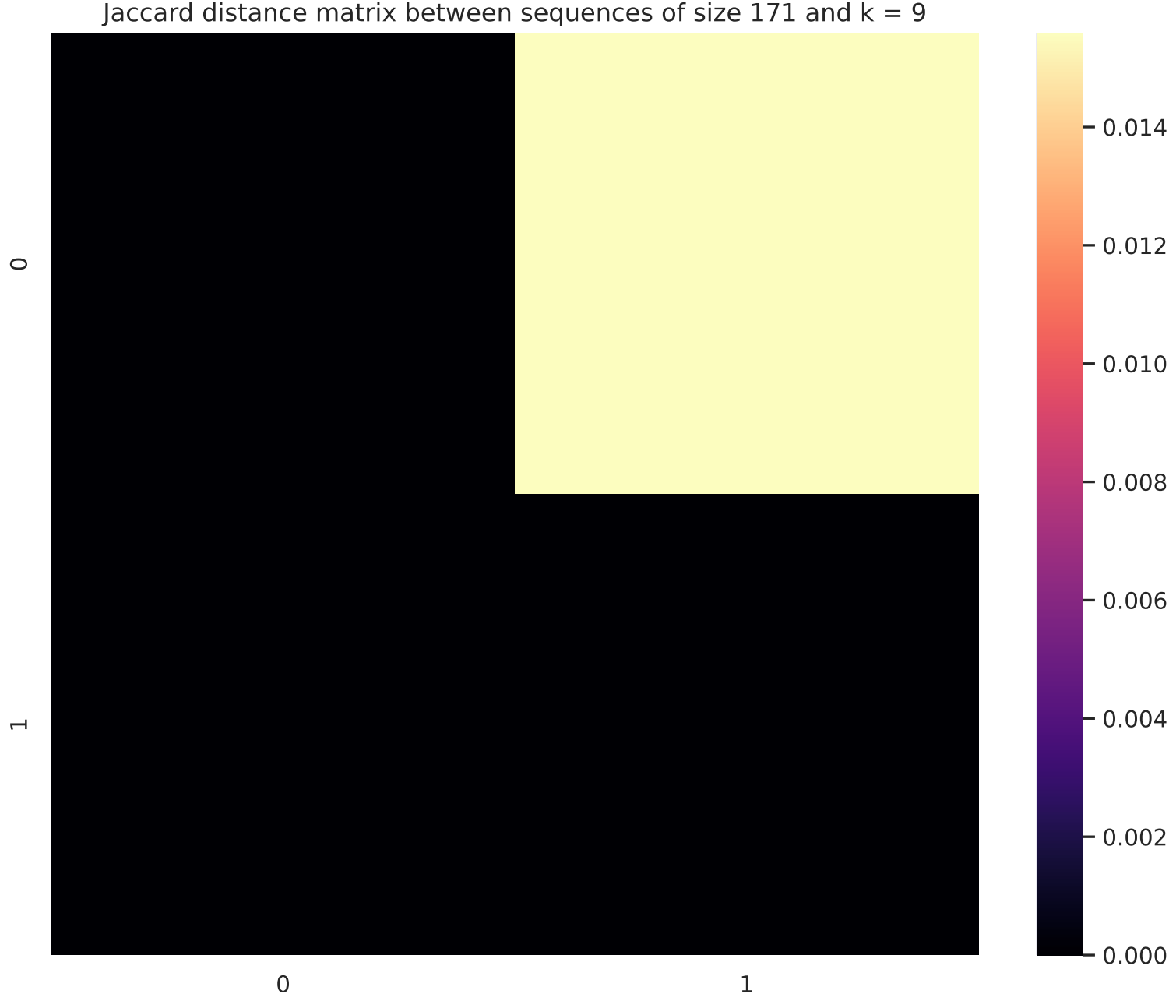

Jaccard distance matrix between sequences of size 164 and k = 9
0
1
2
3
4
5
6
7
0
1
2
3
4
5
6
7
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00

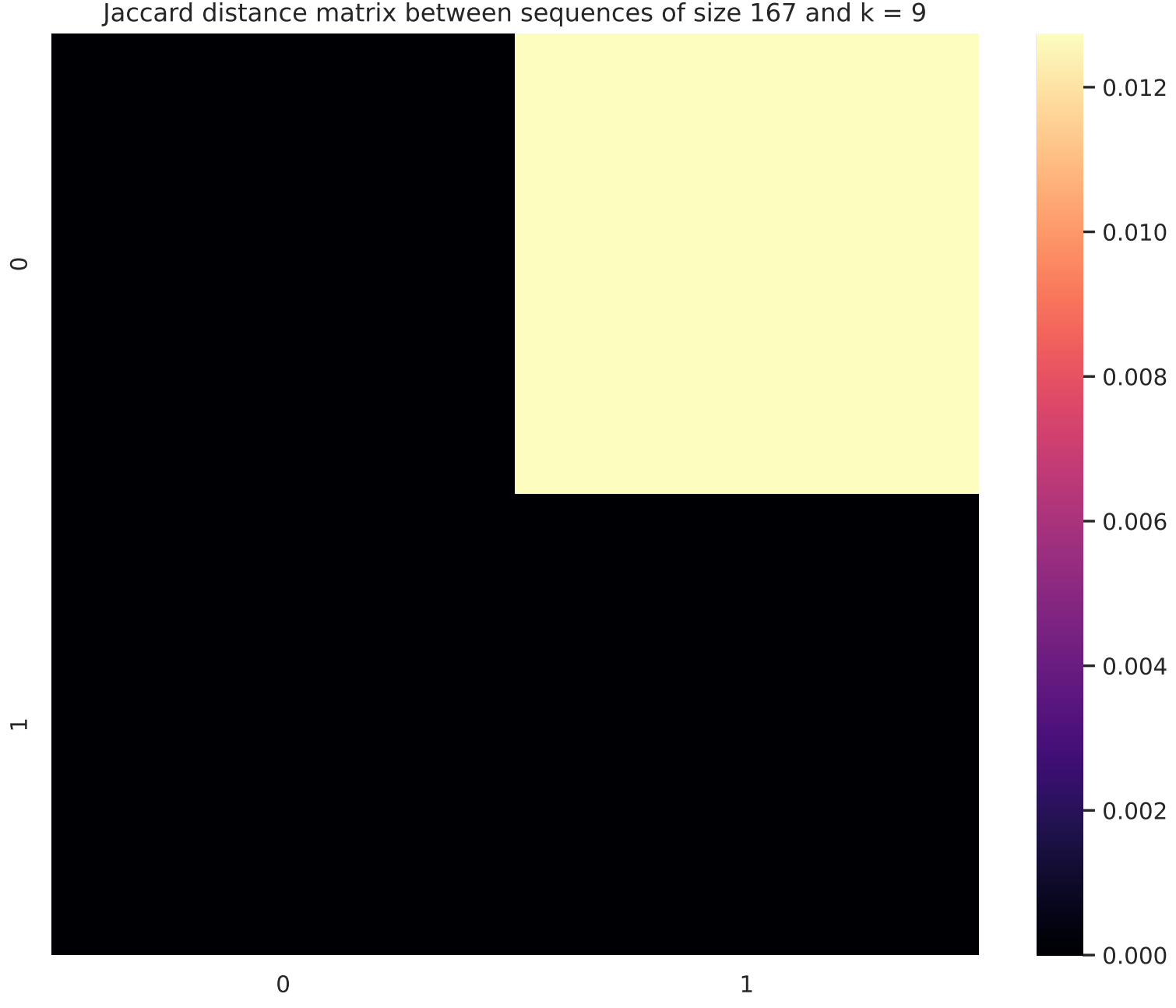

Jaccard distance matrix between sequences of size 140 and k = 9
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
1.0
0.8
0.6
0.4
0.2
0.0

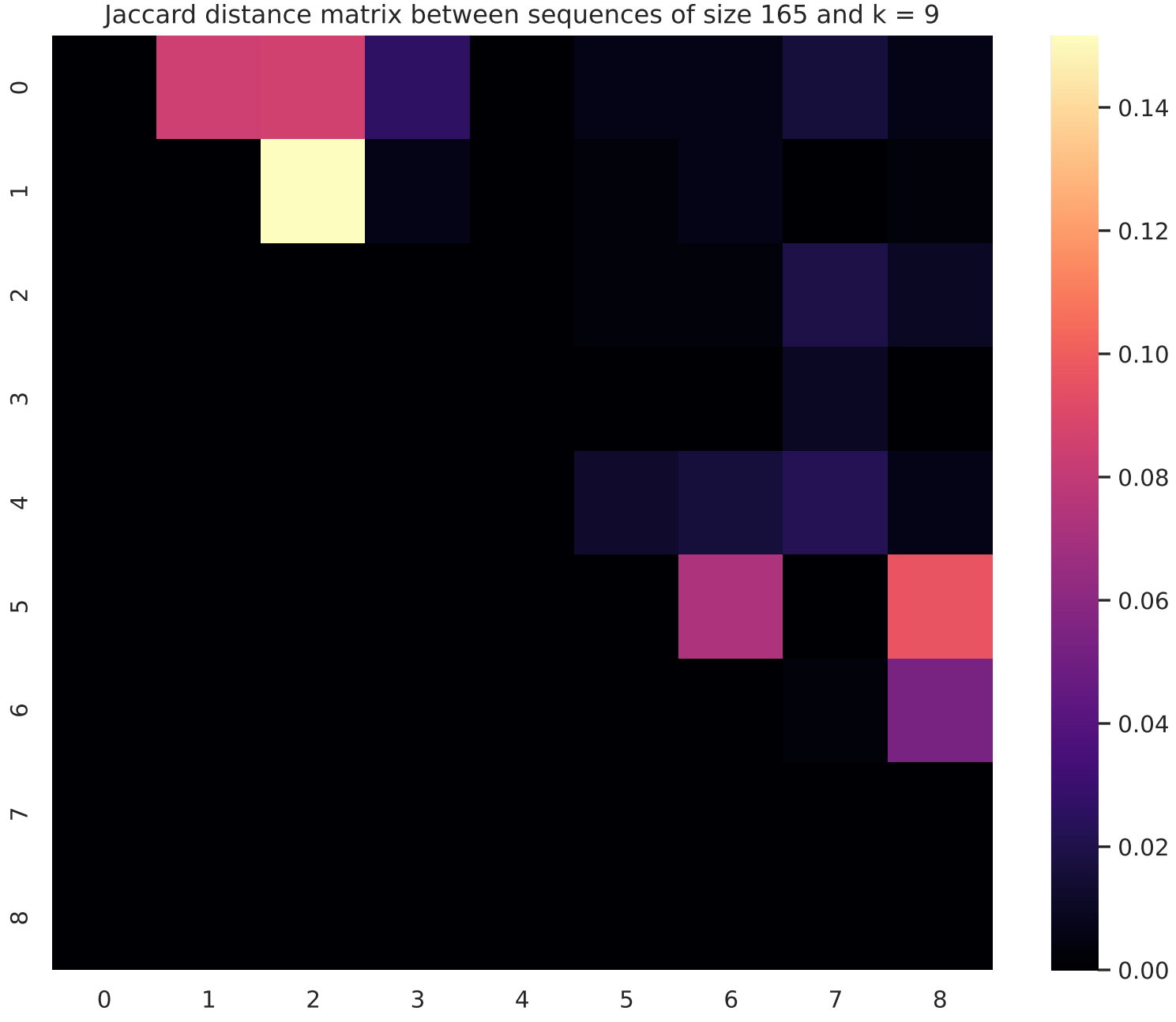

Jaccard distance matrix between sequences of size 149 and k = 9
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
1.0
0.8
0.6
0.4
0.2
0.0

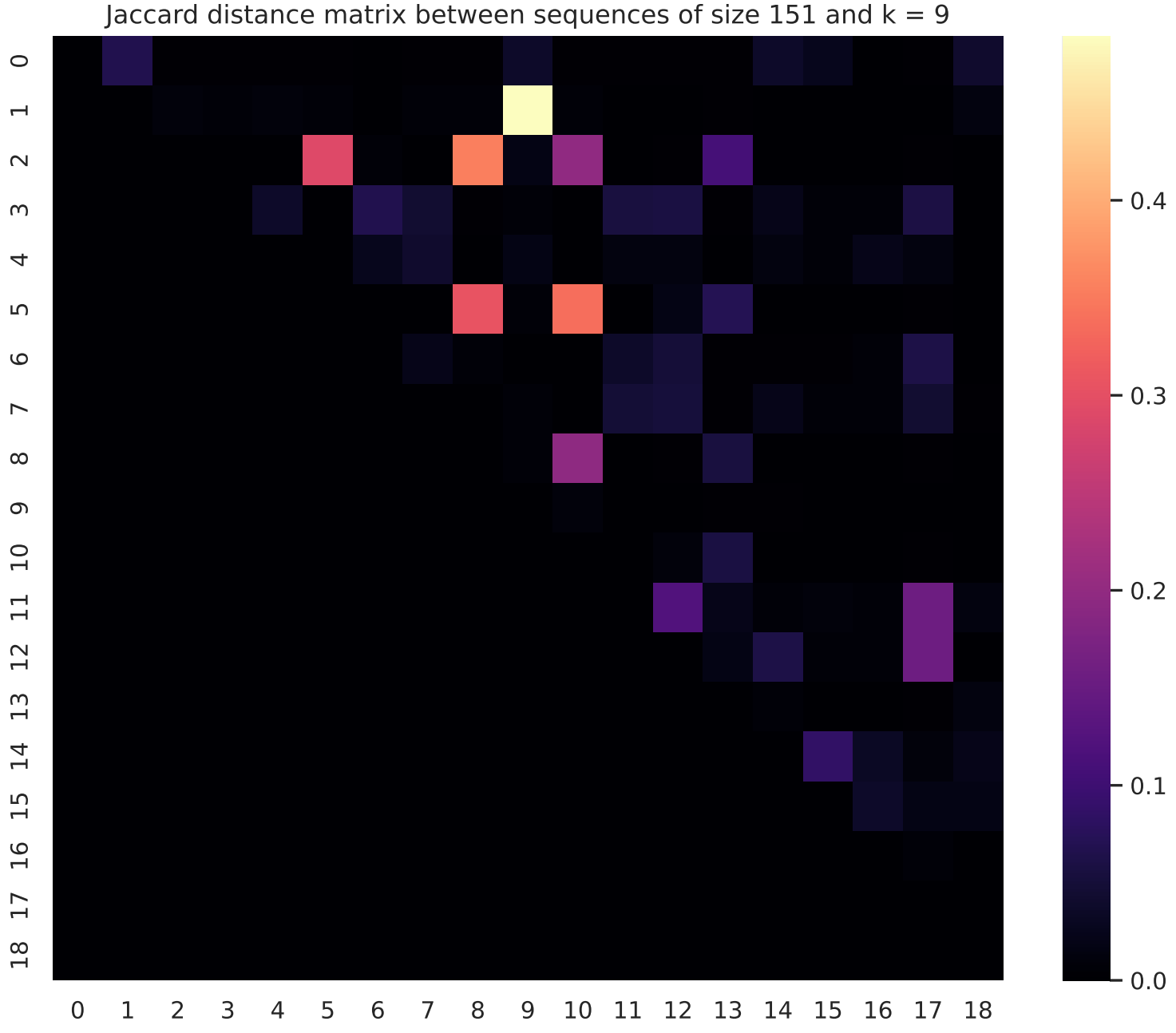

Jaccard distance matrix between sequences of size 150 and k = 9
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00

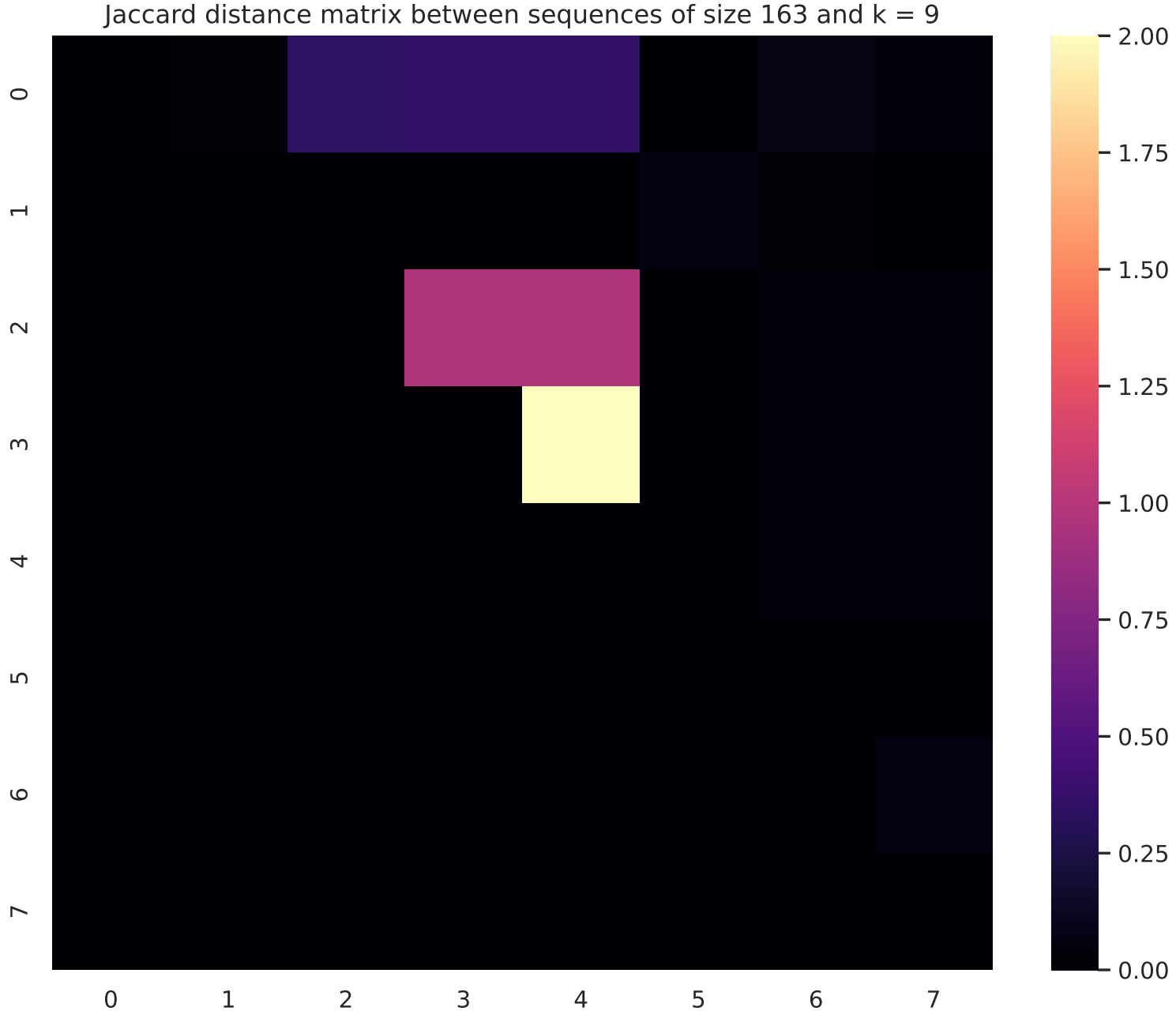

Jaccard distance matrix between sequences of size 147 and k = 9
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00

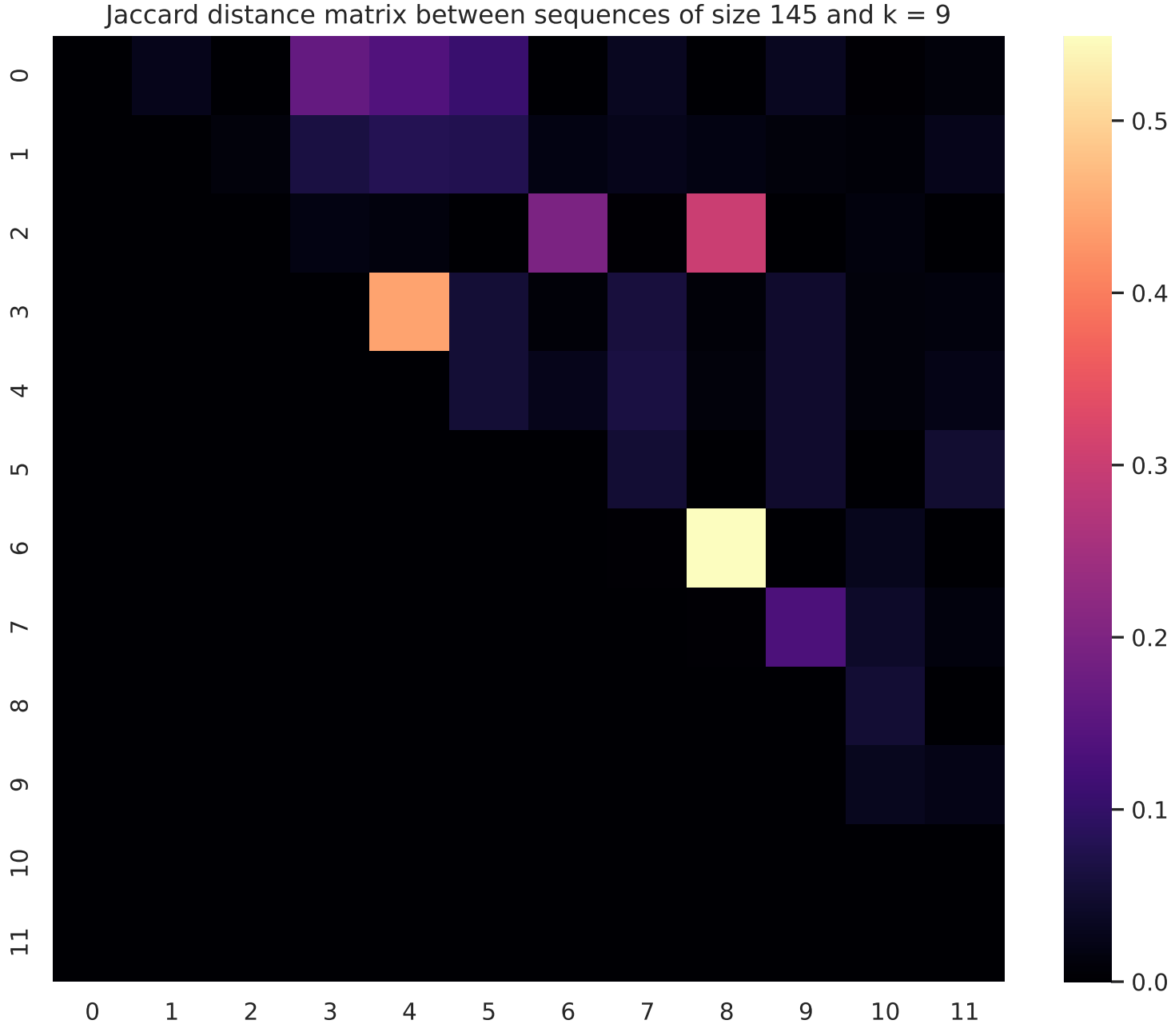

Jaccard distance matrix between sequences of size 171 and k = 9
0
1
0
1
0.014
0.012
0.010
0.008
0.006
0.004
0.002
0.000

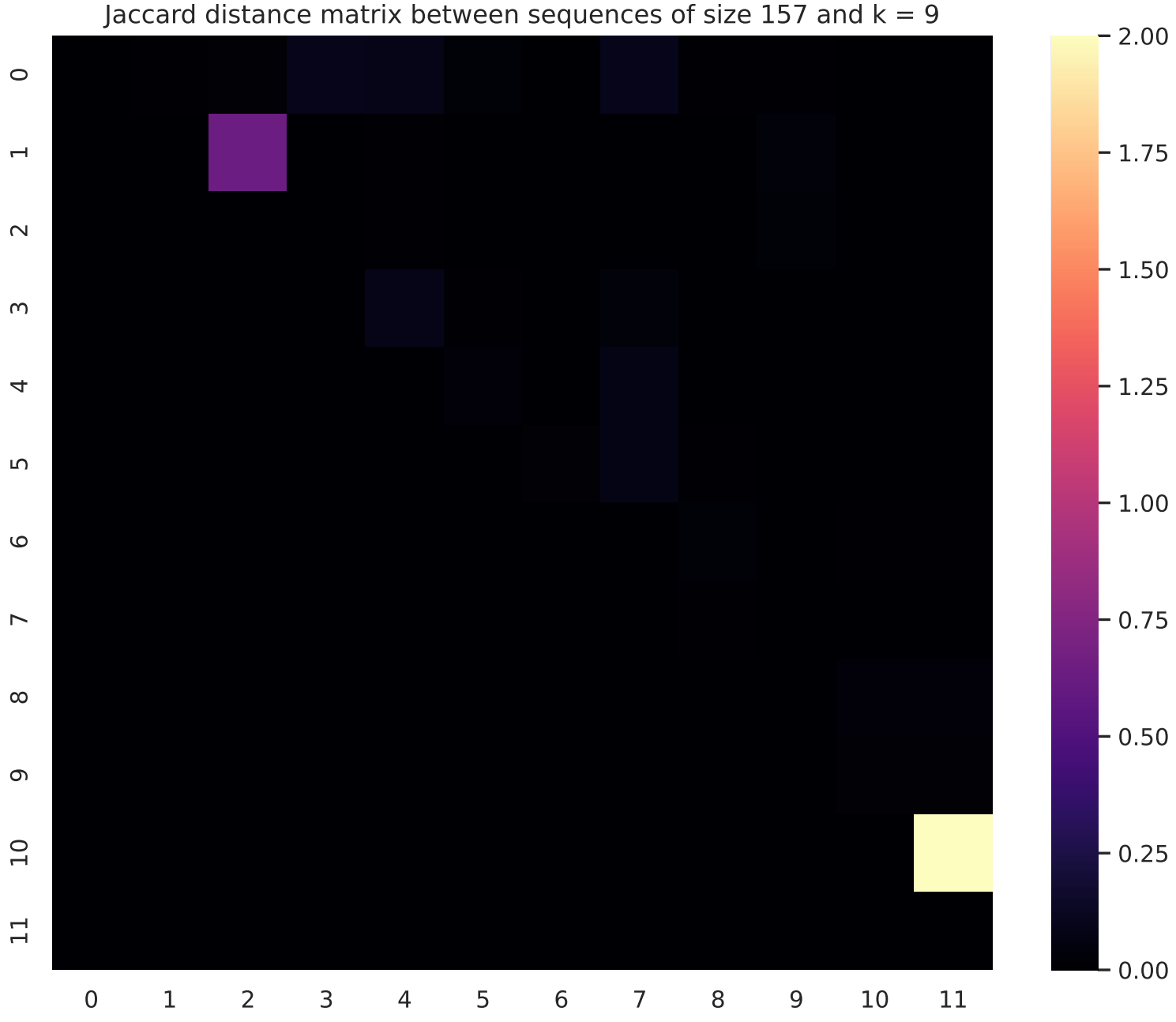

Jaccard distance matrix between sequences of size 167 and k = 9
0
1
0
1
0.012
0.010
0.008
0.006
0.004
0.002
0.000

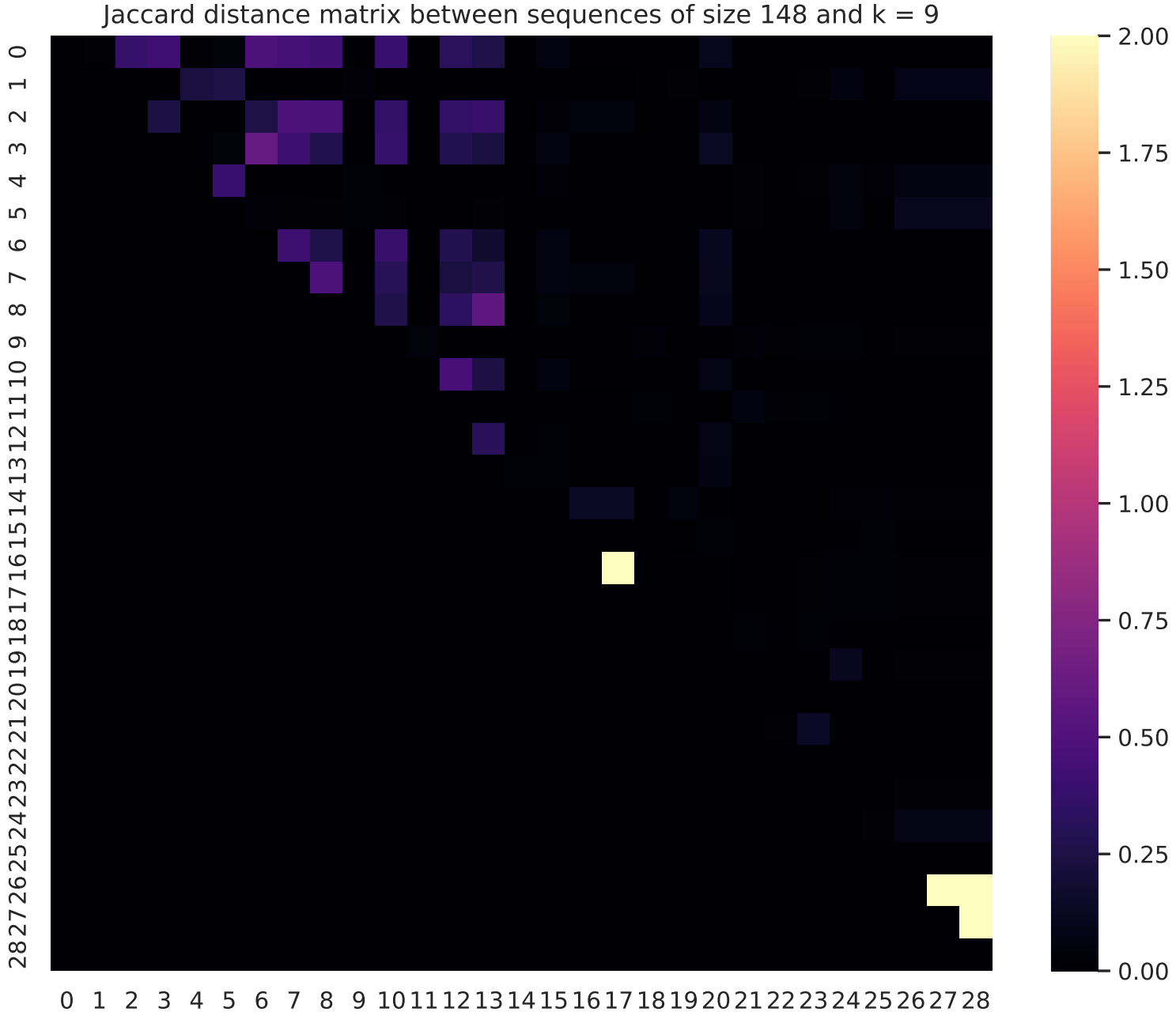

Jaccard distance matrix between sequences of size 165 and k = 9
0
1
2
3
4
5
6
7
8
0
1
2
3
4
5
6
7
8
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00

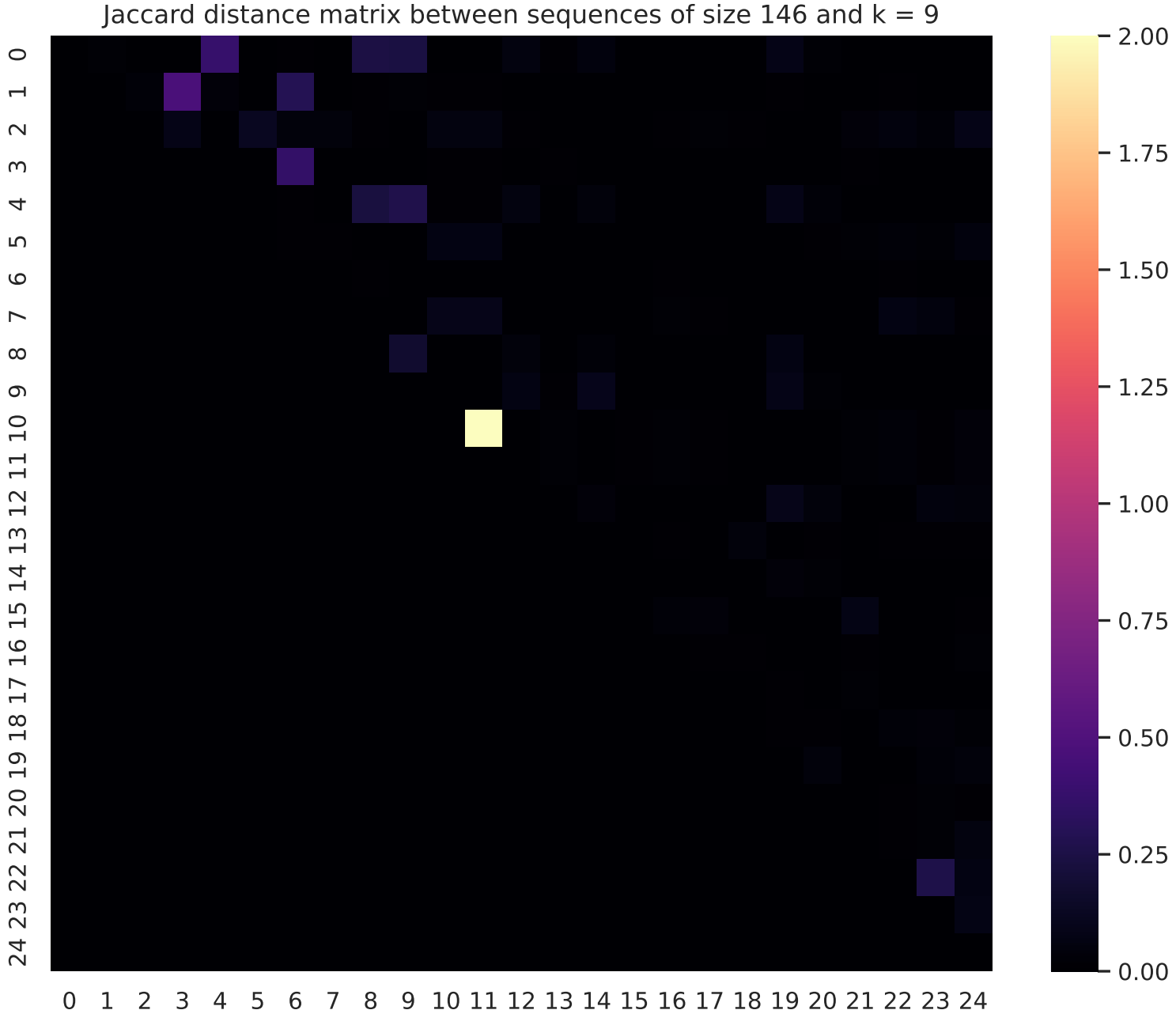

Jaccard distance matrix between sequences of size 151 and k = 9
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
0.4
0.3
0.2
0.1
0.0

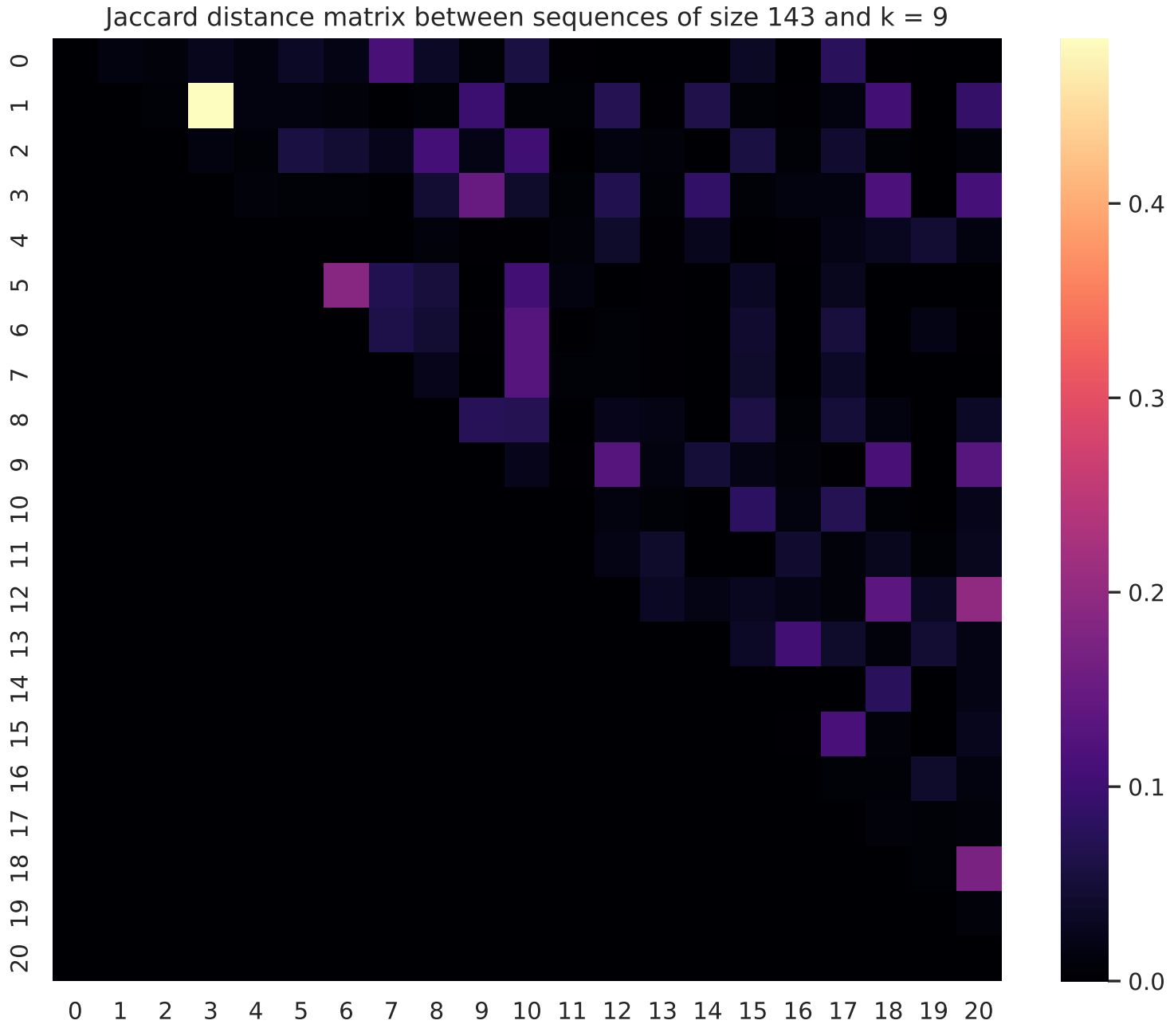

Jaccard distance matrix between sequences of size 163 and k = 9
0
1
2
3
4
5
6
7
0
1
2
3
4
5
6
7
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00

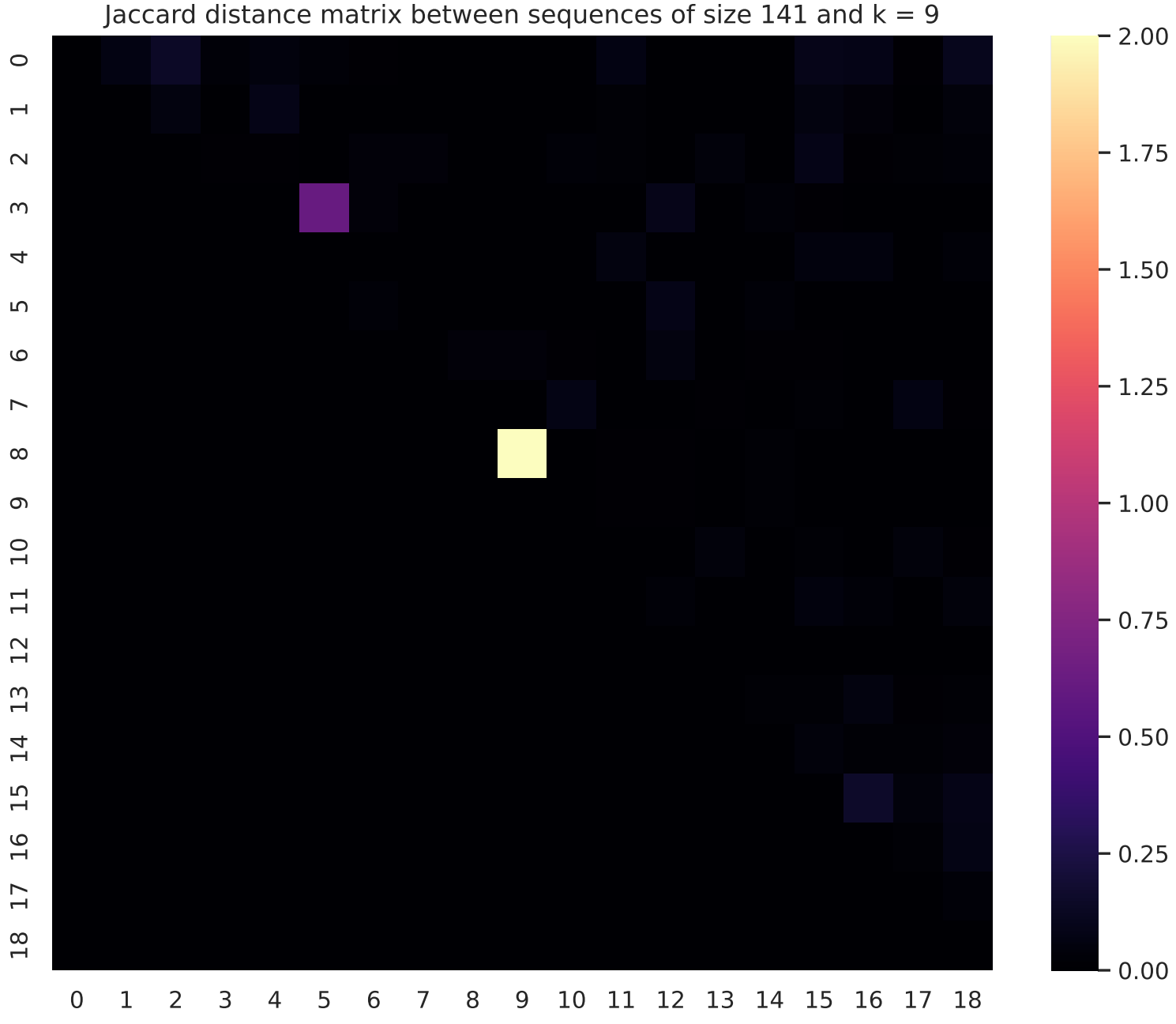

Jaccard distance matrix between sequences of size 145 and k = 9
0
1
2
3
4
5
6
7
8
9
10
11
0
1
2
3
4
5
6
7
8
9
10
11
0.5
0.4
0.3
0.2
0.1
0.0

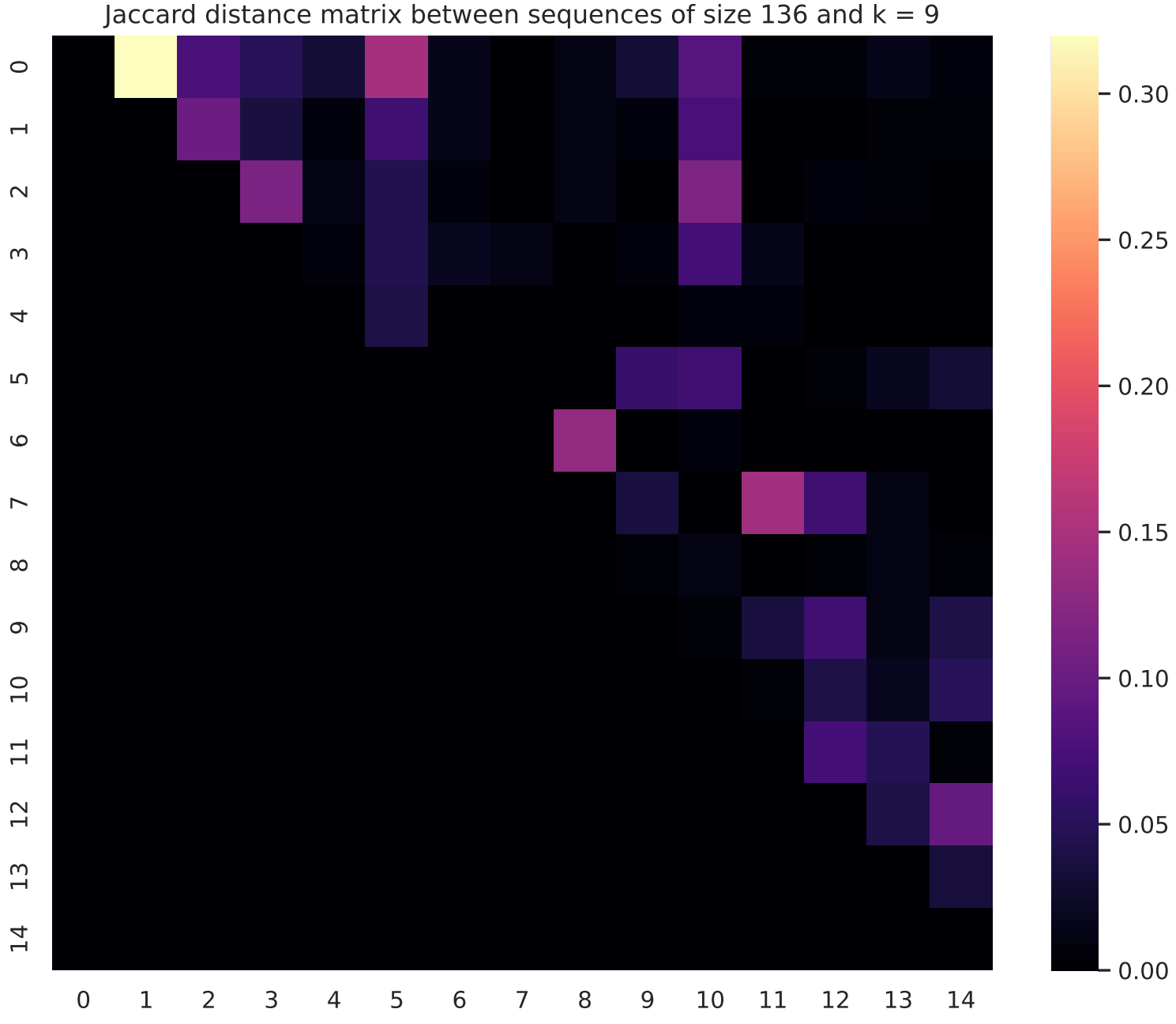

Jaccard distance matrix between sequences of size 157 and k = 9
0
1
2
3
4
5
6
7
8
9
10
11
0
1
2
3
4
5
6
7
8
9
10
11
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00

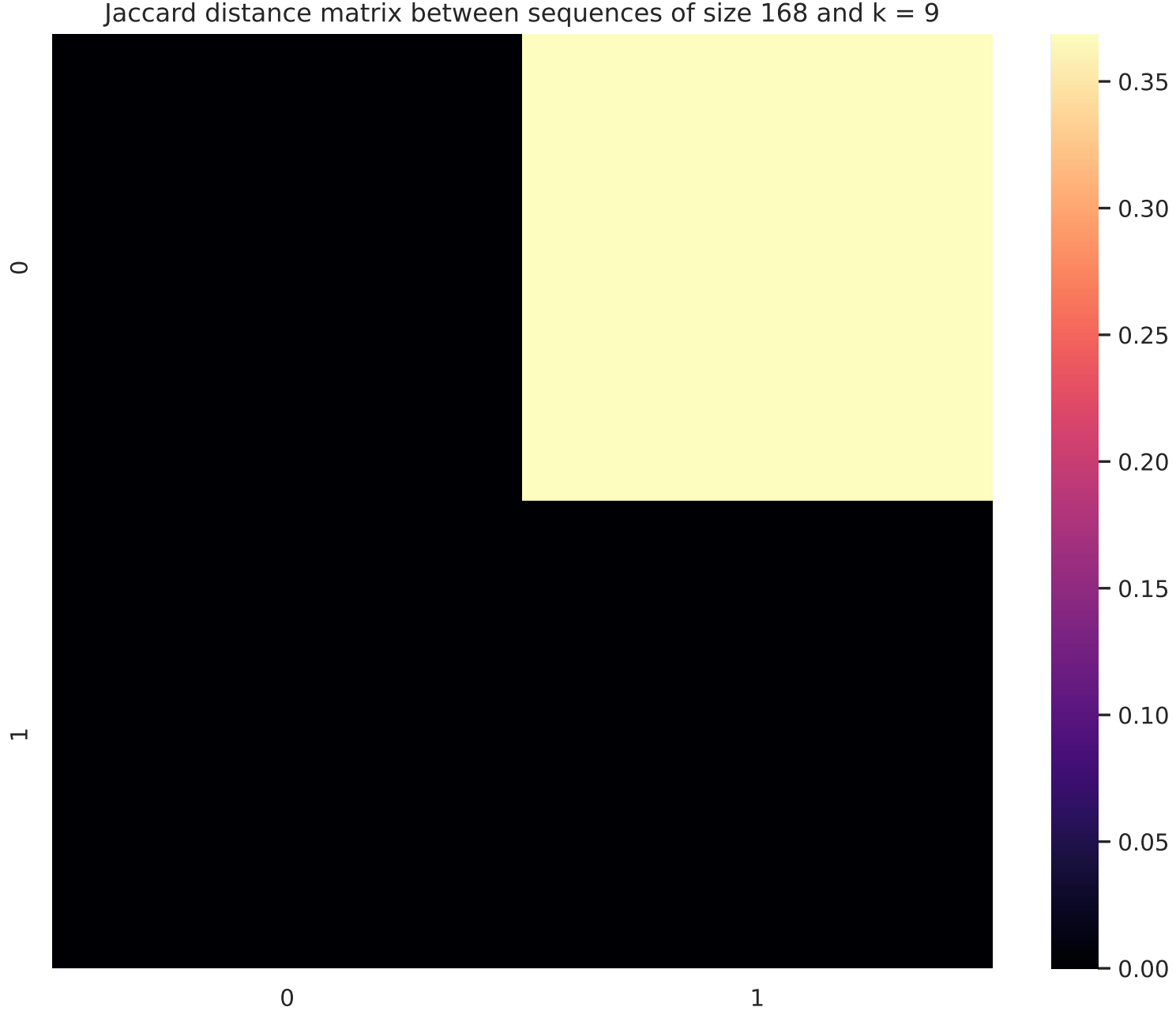

Jaccard distance matrix between sequences of size 148 and k = 9
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00

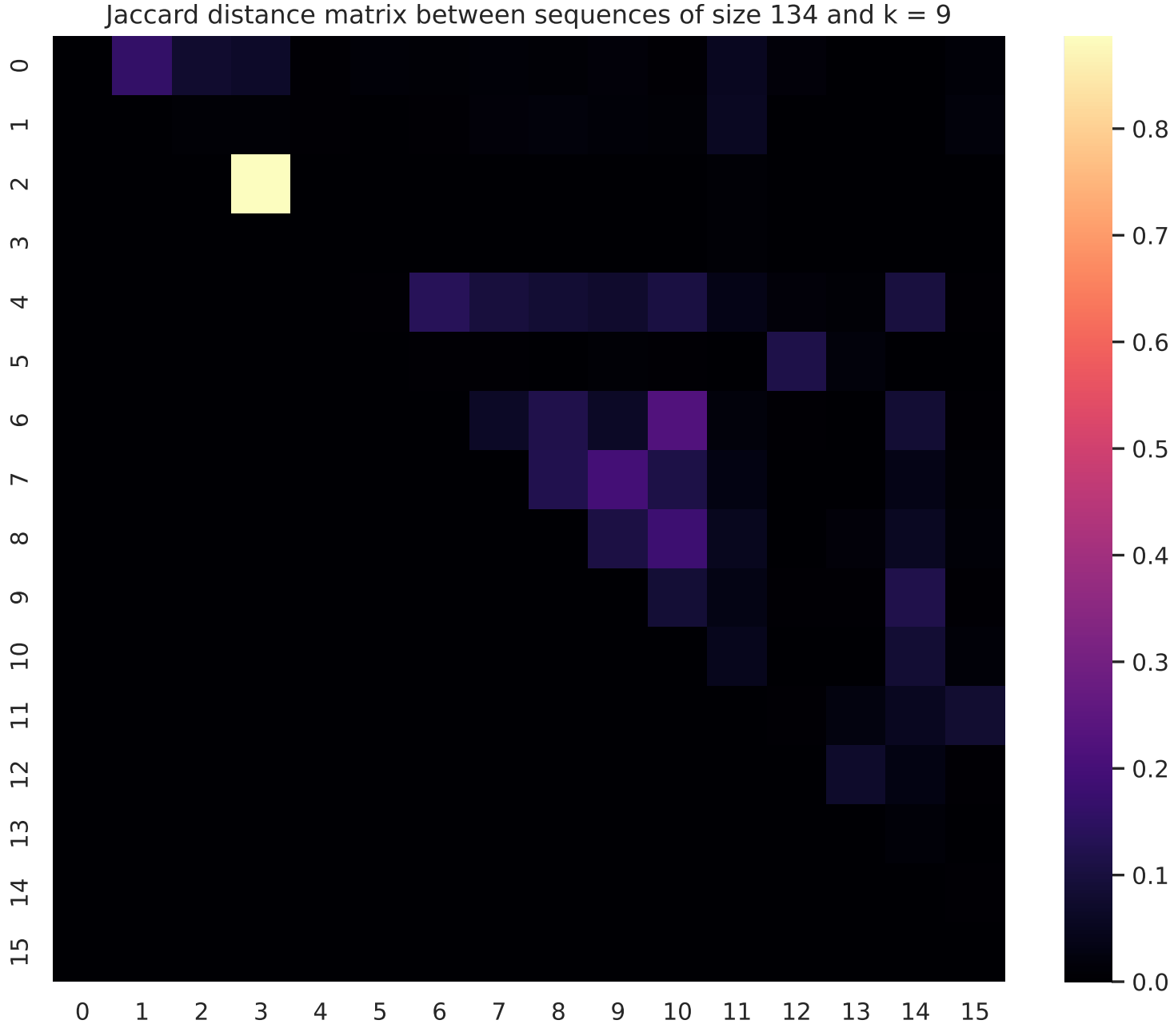

Jaccard distance matrix between sequences of size 146 and k = 9
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00

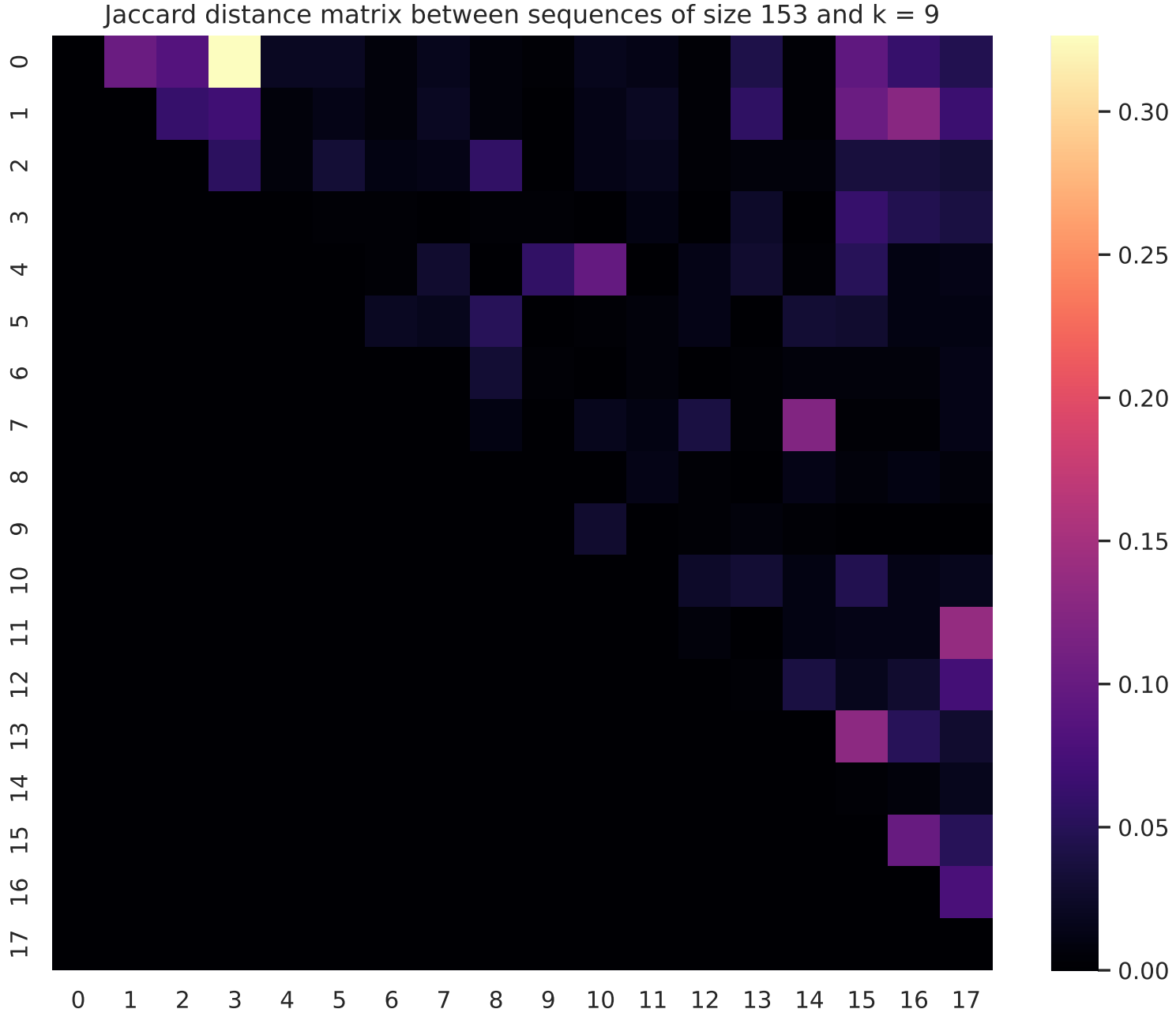

Jaccard distance matrix between sequences of size 143 and k = 9
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
0.4
0.3
0.2
0.1
0.0

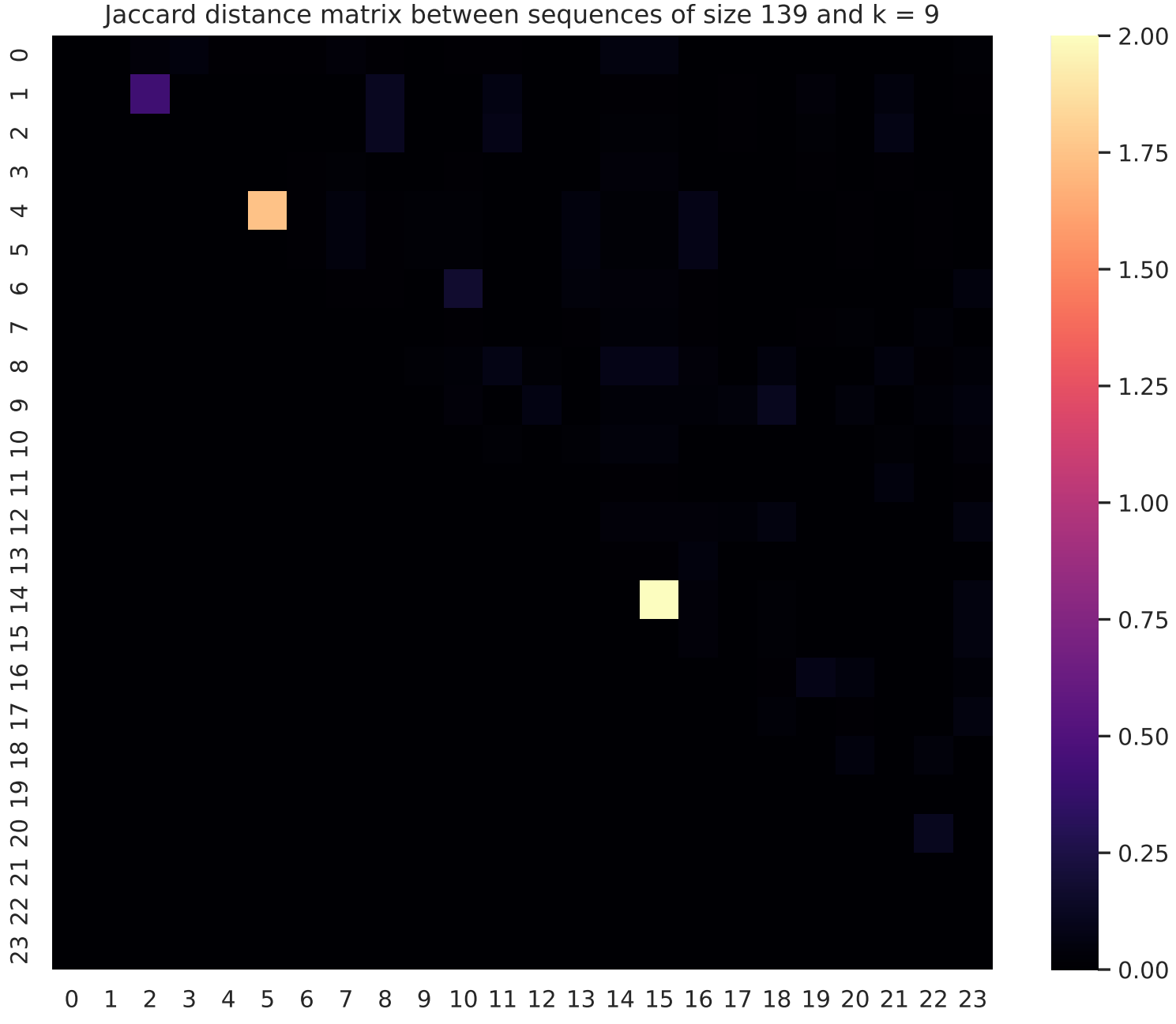

Jaccard distance matrix between sequences of size 141 and k = 9
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00

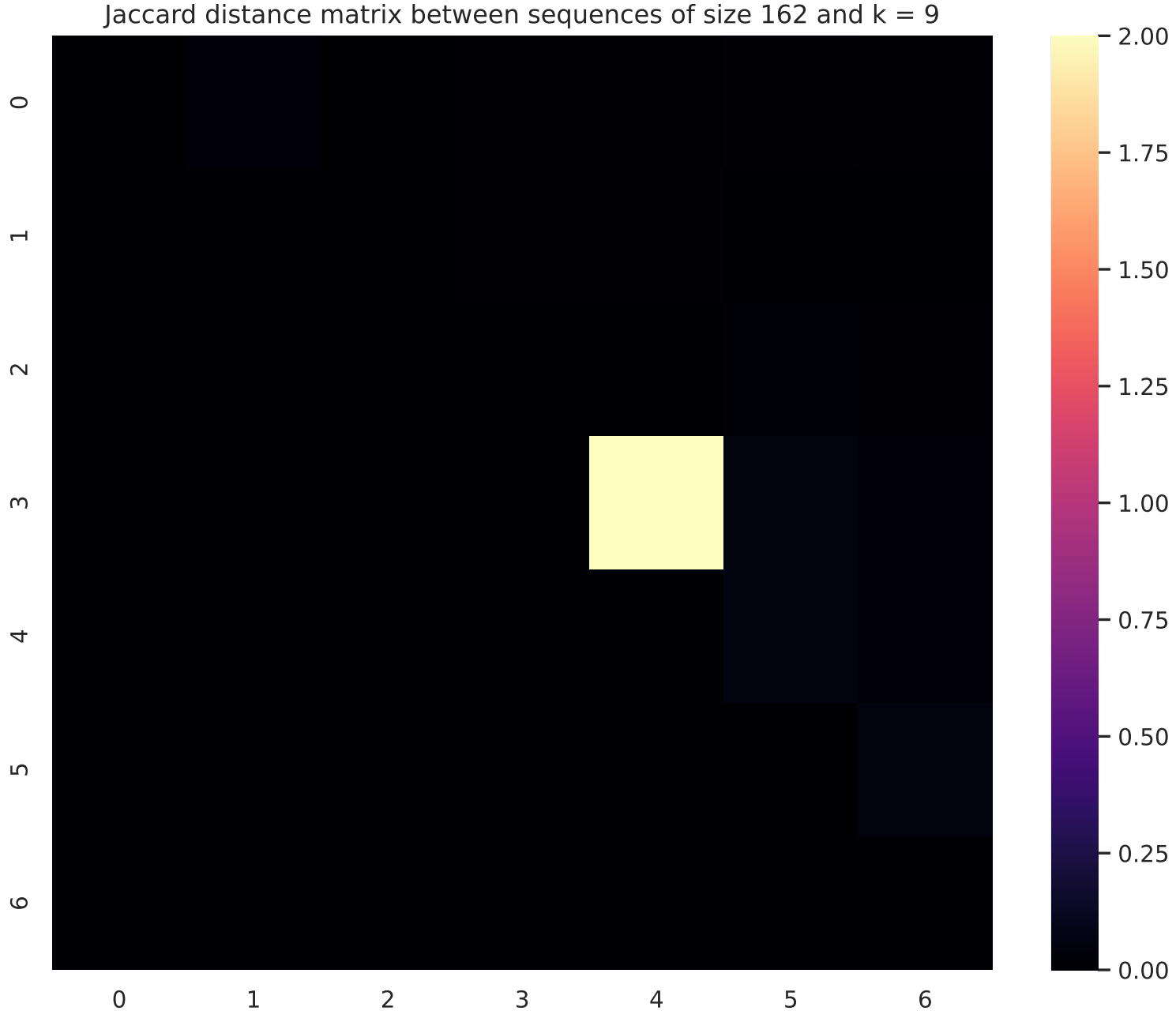

Jaccard distance matrix between sequences of size 136 and k = 9
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
0.30
0.25
0.20
0.15
0.10
0.05
0.00

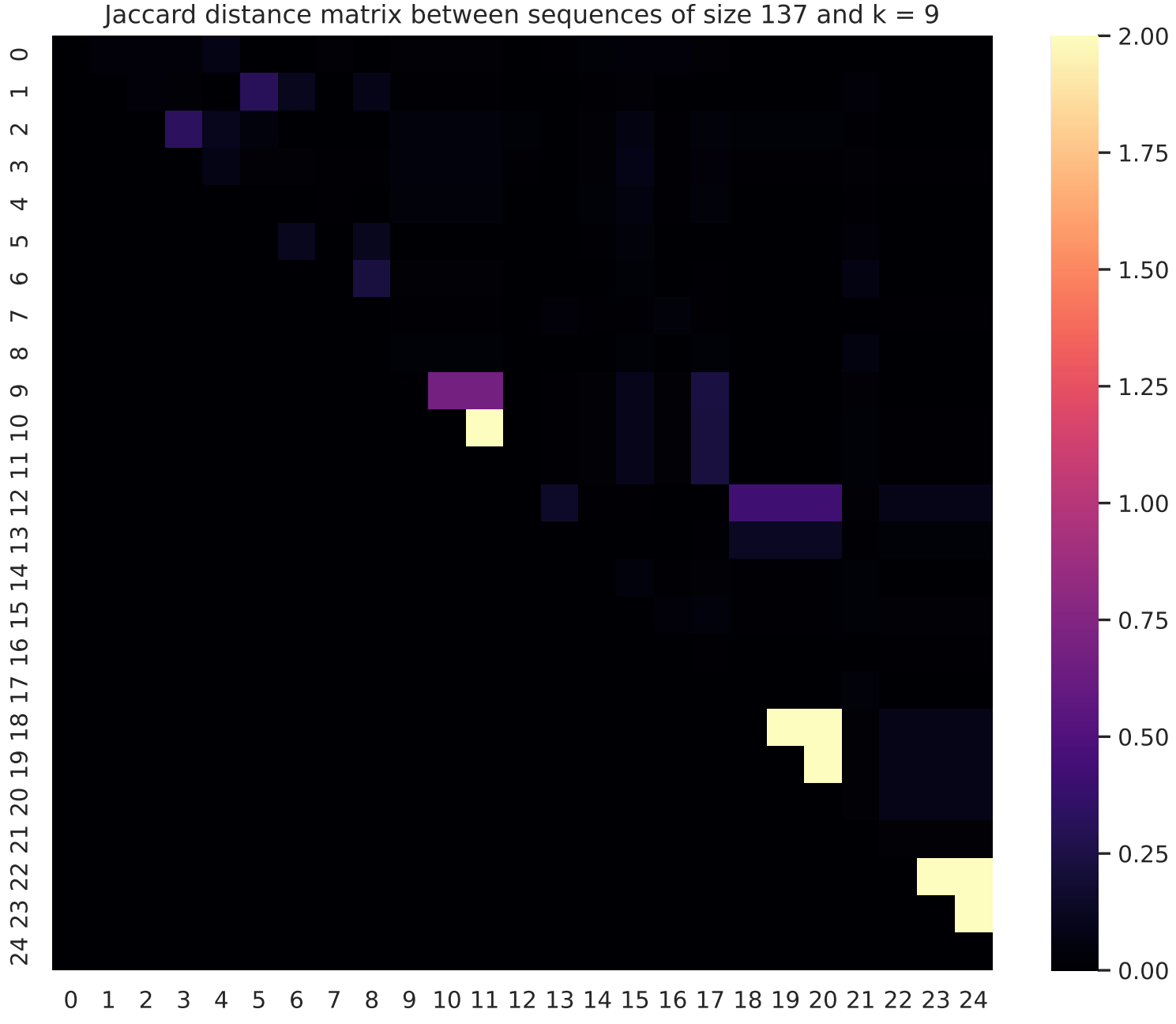

Jaccard distance matrix between sequences of size 168 and k = 9
0
1
0
1
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00

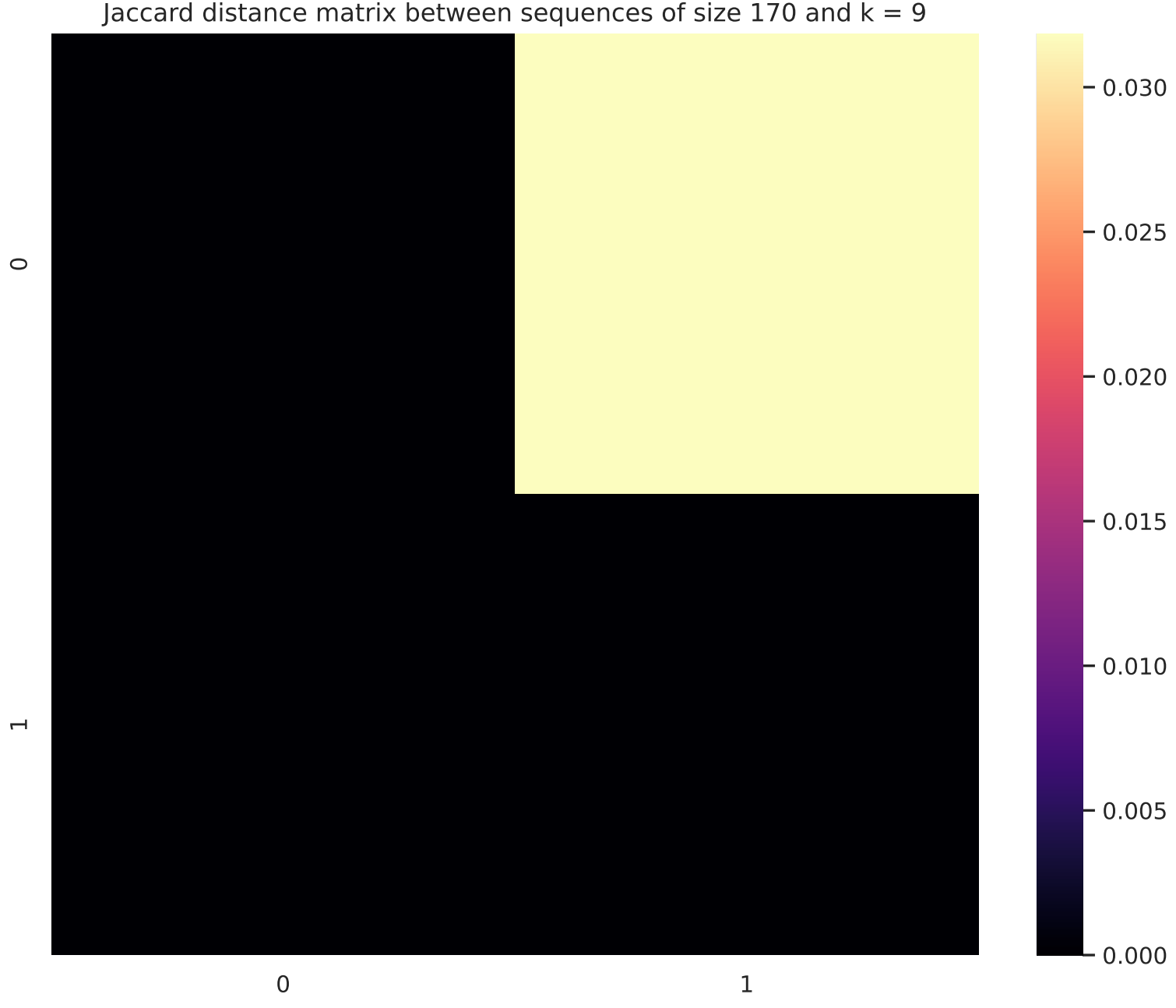

Jaccard distance matrix between sequences of size 134 and k = 9
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0

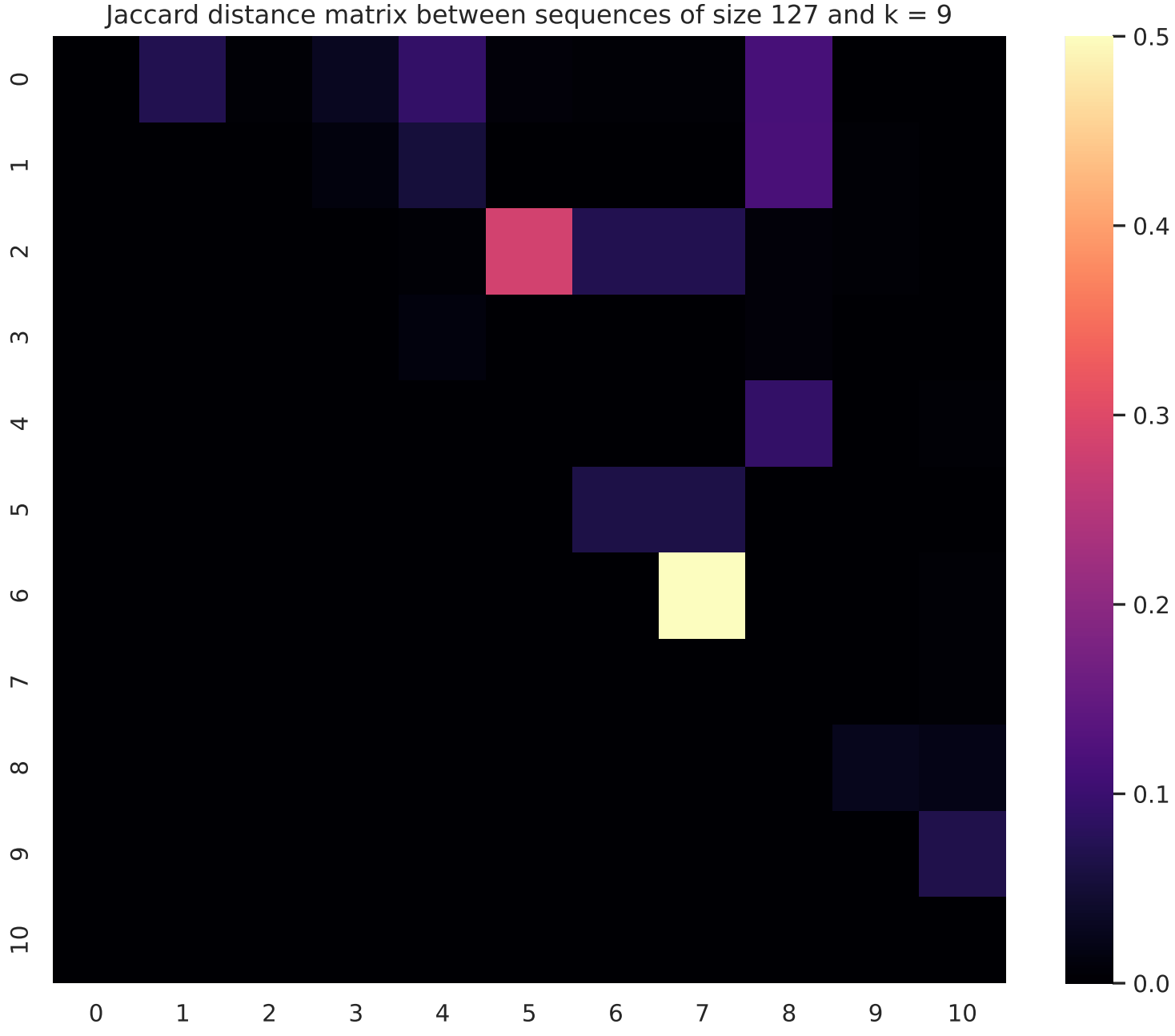

Jaccard distance matrix between sequences of size 153 and k = 9
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
0.30
0.25
0.20
0.15
0.10
0.05
0.00

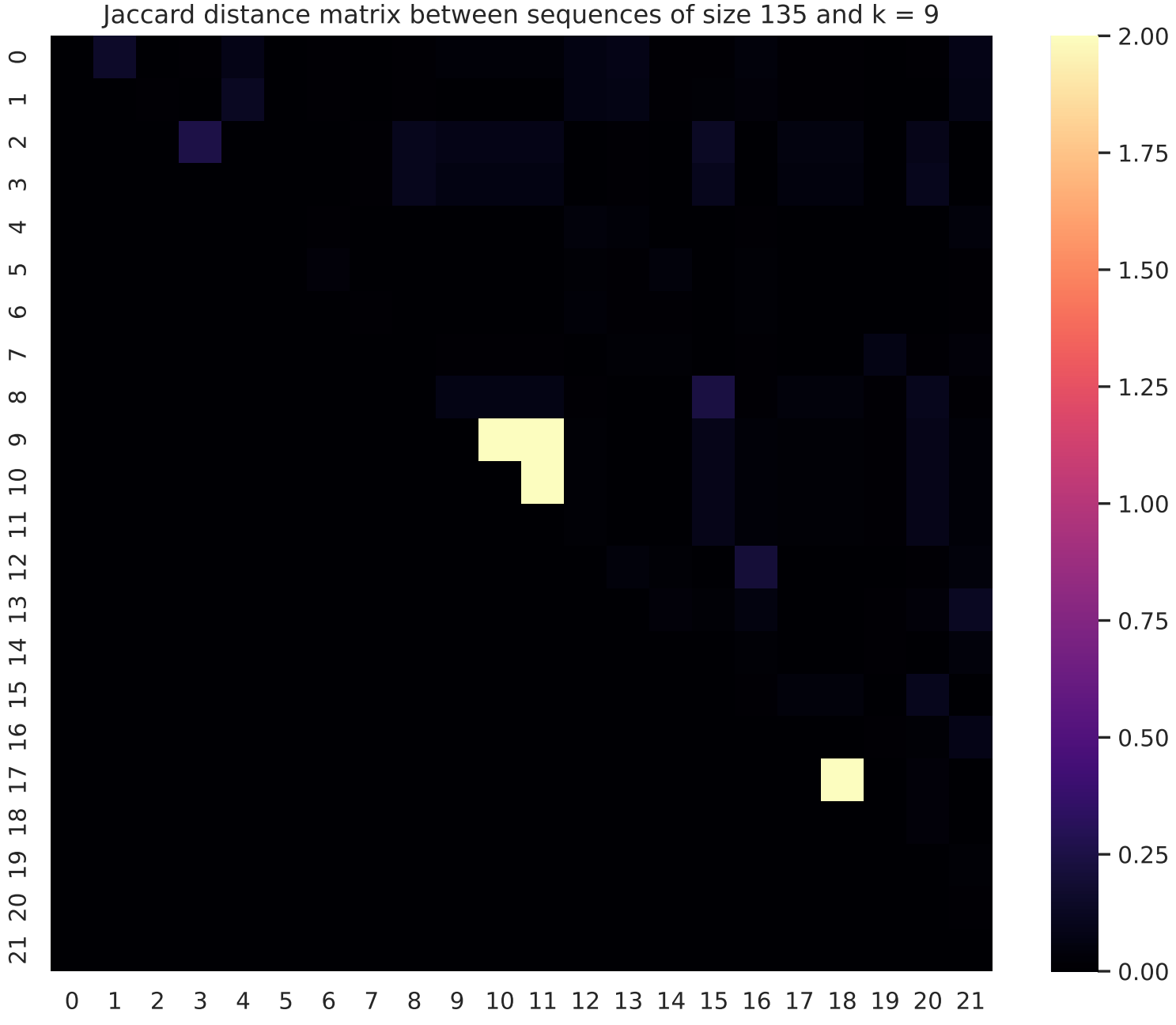

Jaccard distance matrix between sequences of size 139 and k = 9
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00

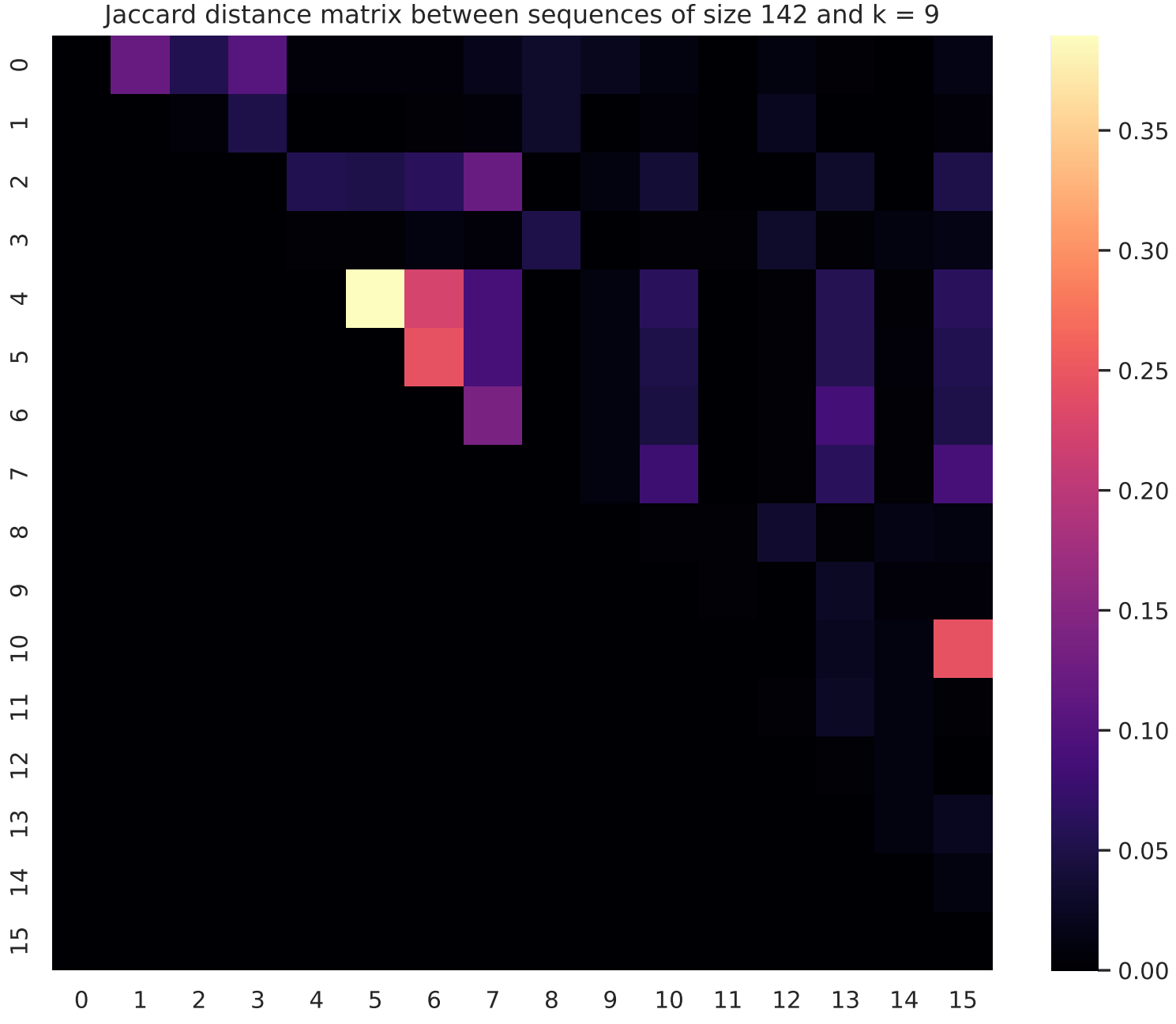

Jaccard distance matrix between sequences of size 162 and k = 9
0
1
2
3
4
5
6
0
1
2
3
4
5
6
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00

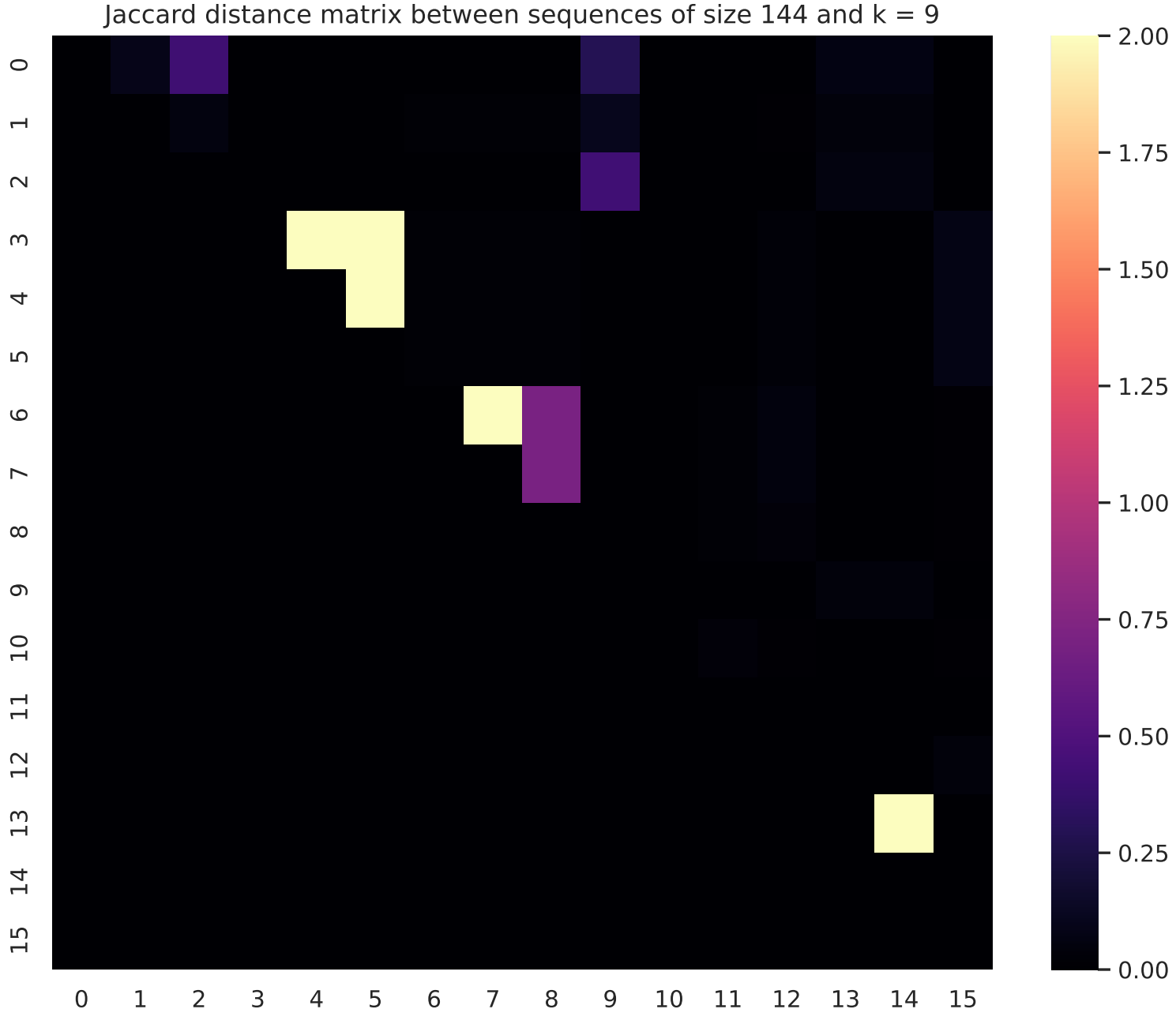

Jaccard distance matrix between sequences of size 137 and k = 9
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00

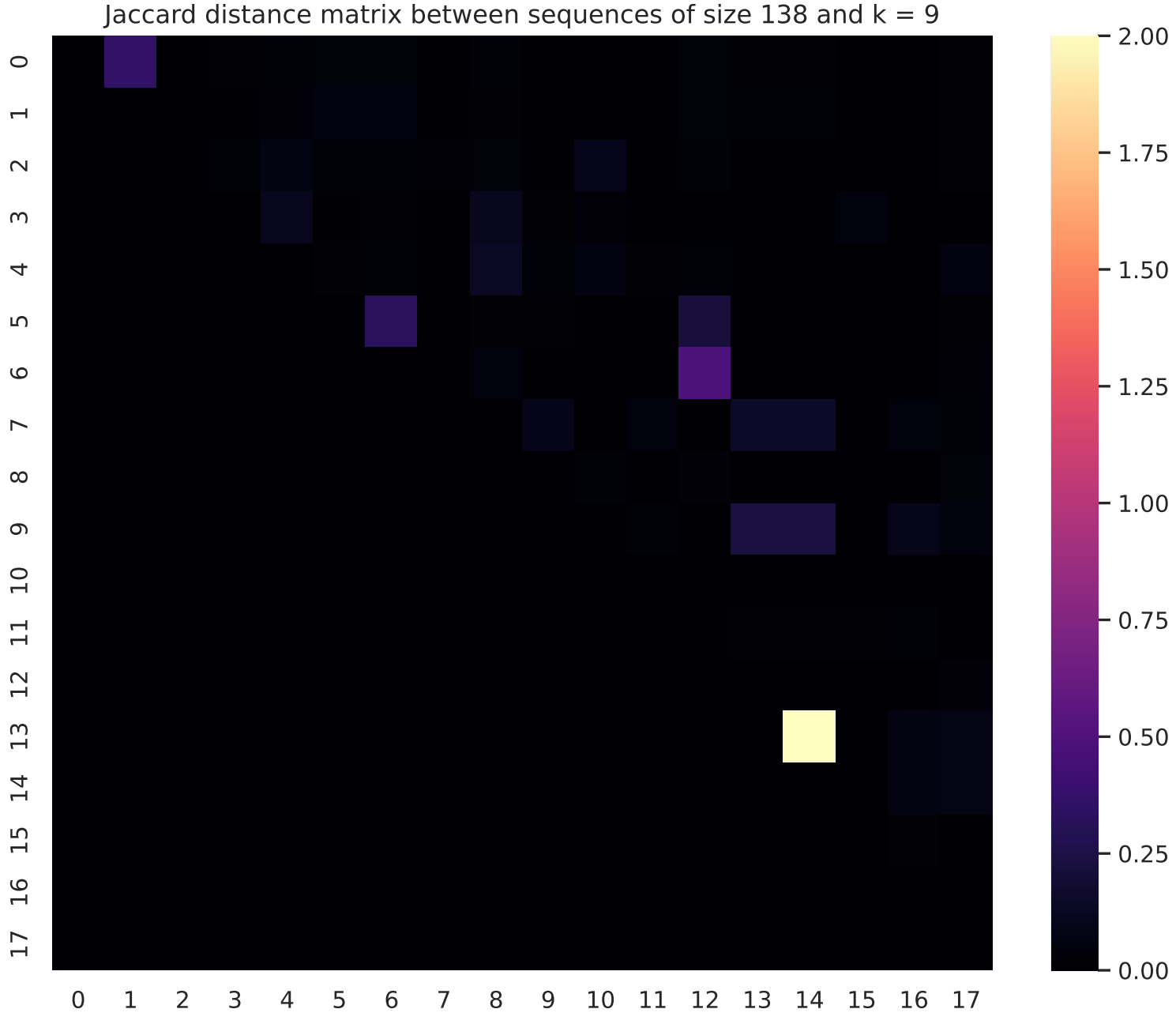

Jaccard distance matrix between sequences of size 170 and k = 9
0
1
0
1
0.030
0.025
0.020
0.015
0.010
0.005
0.000

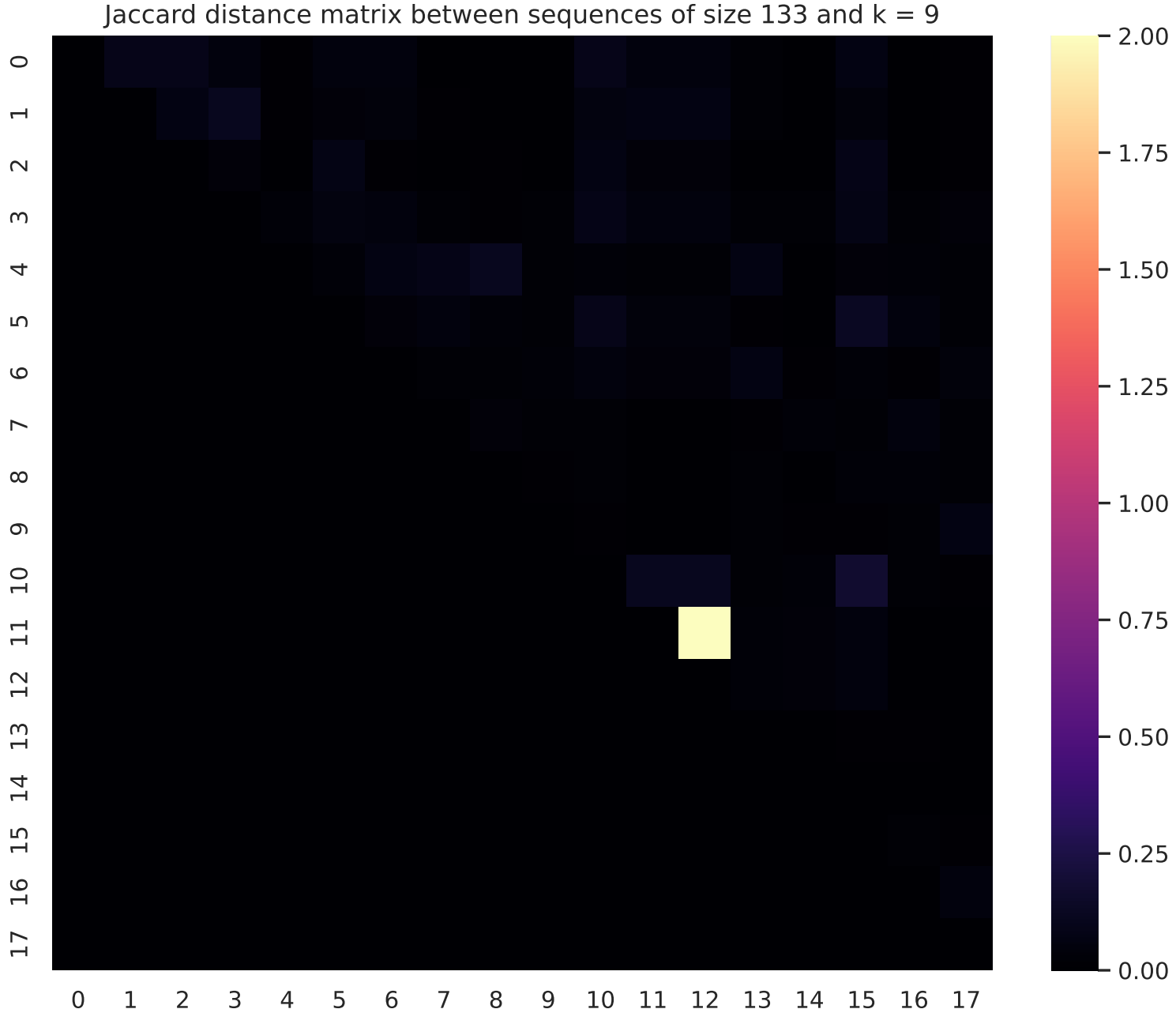

Jaccard distance matrix between sequences of size 127 and k = 9
0
1
2
3
4
5
6
7
8
9
10
0
1
2
3
4
5
6
7
8
9
10
0.5
0.4
0.3
0.2
0.1
0.0

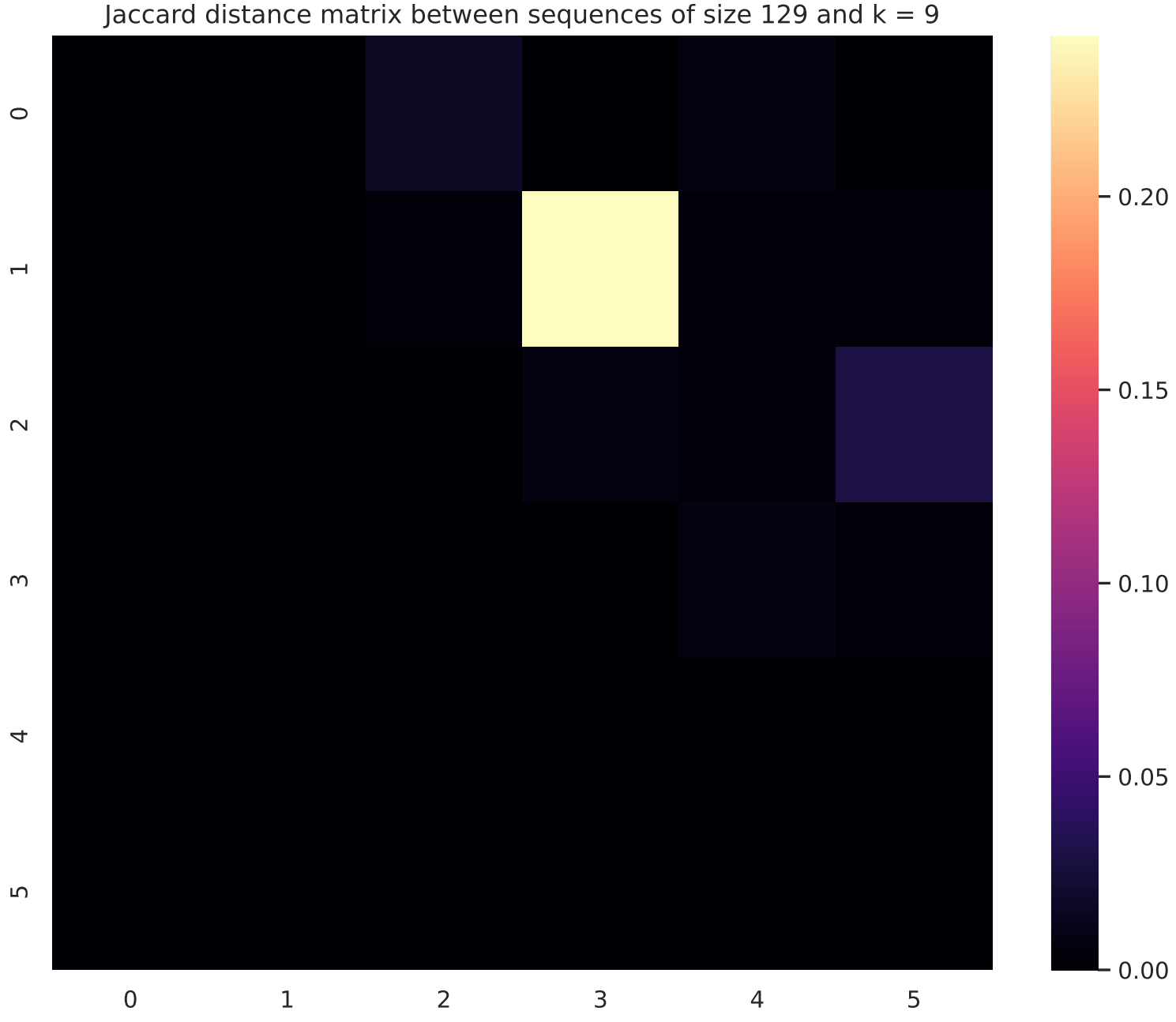

Jaccard distance matrix between sequences of size 135 and k = 9
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00

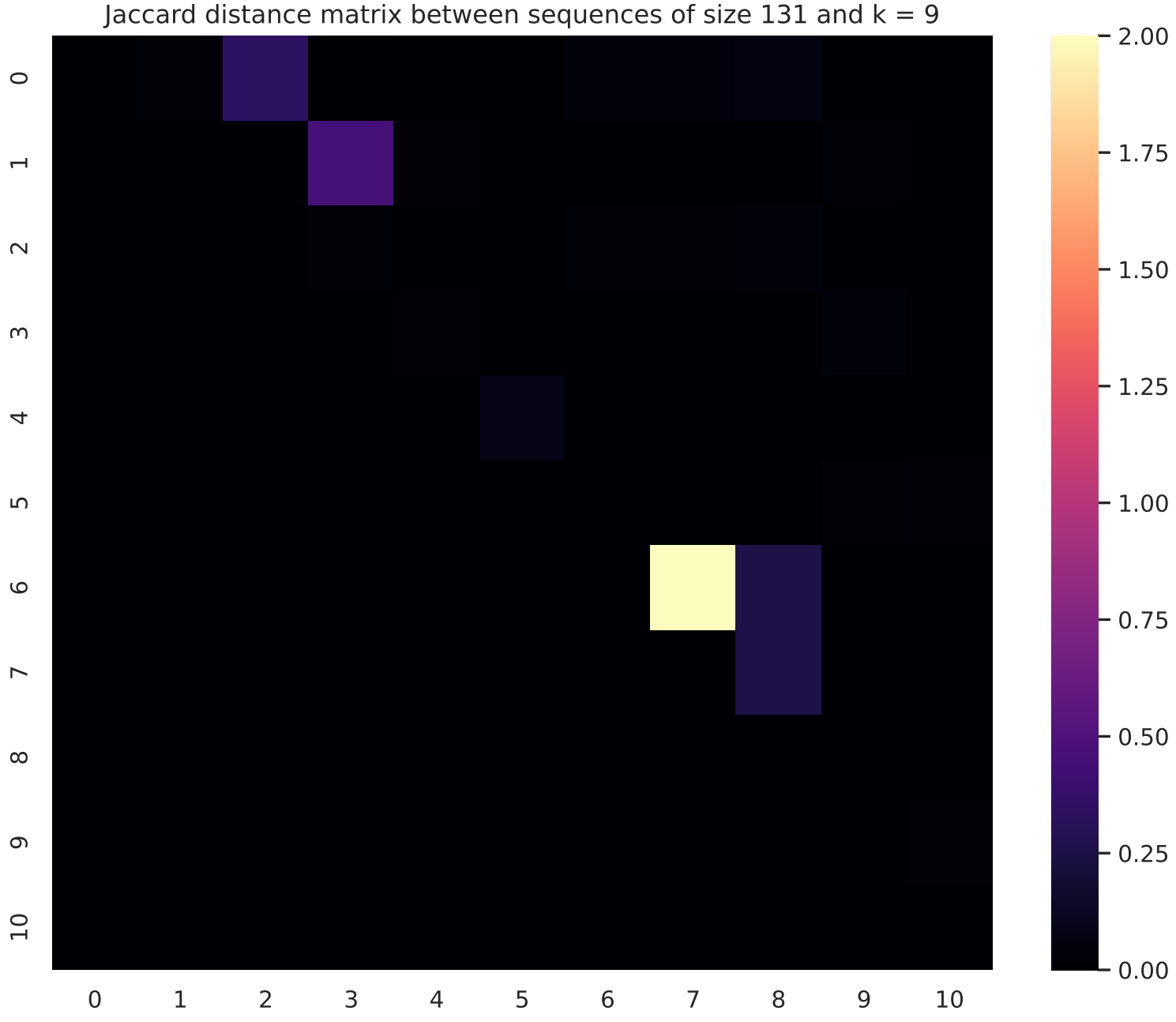

Jaccard distance matrix between sequences of size 142 and k = 9
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00

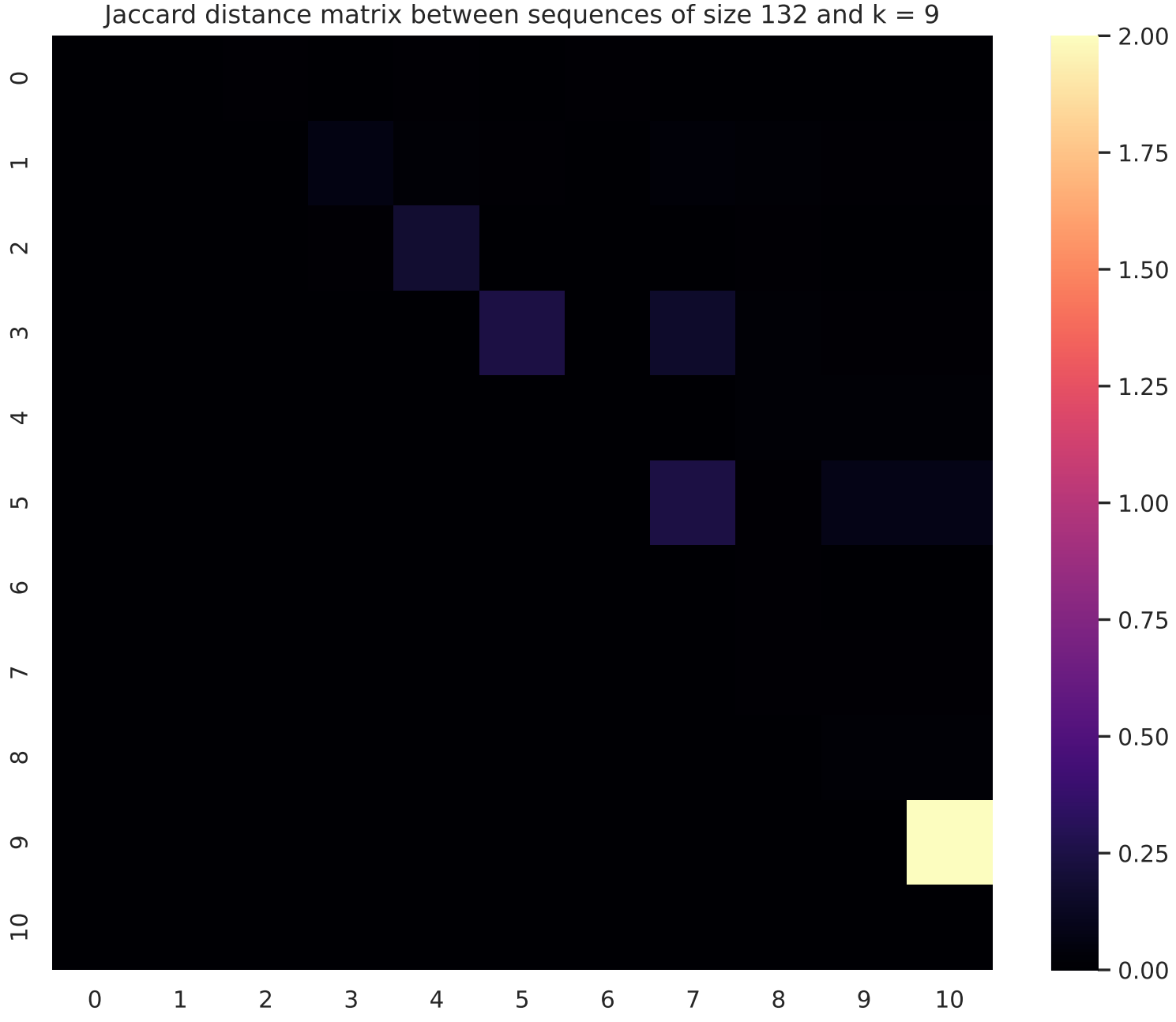

Jaccard distance matrix between sequences of size 144 and k = 9
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00

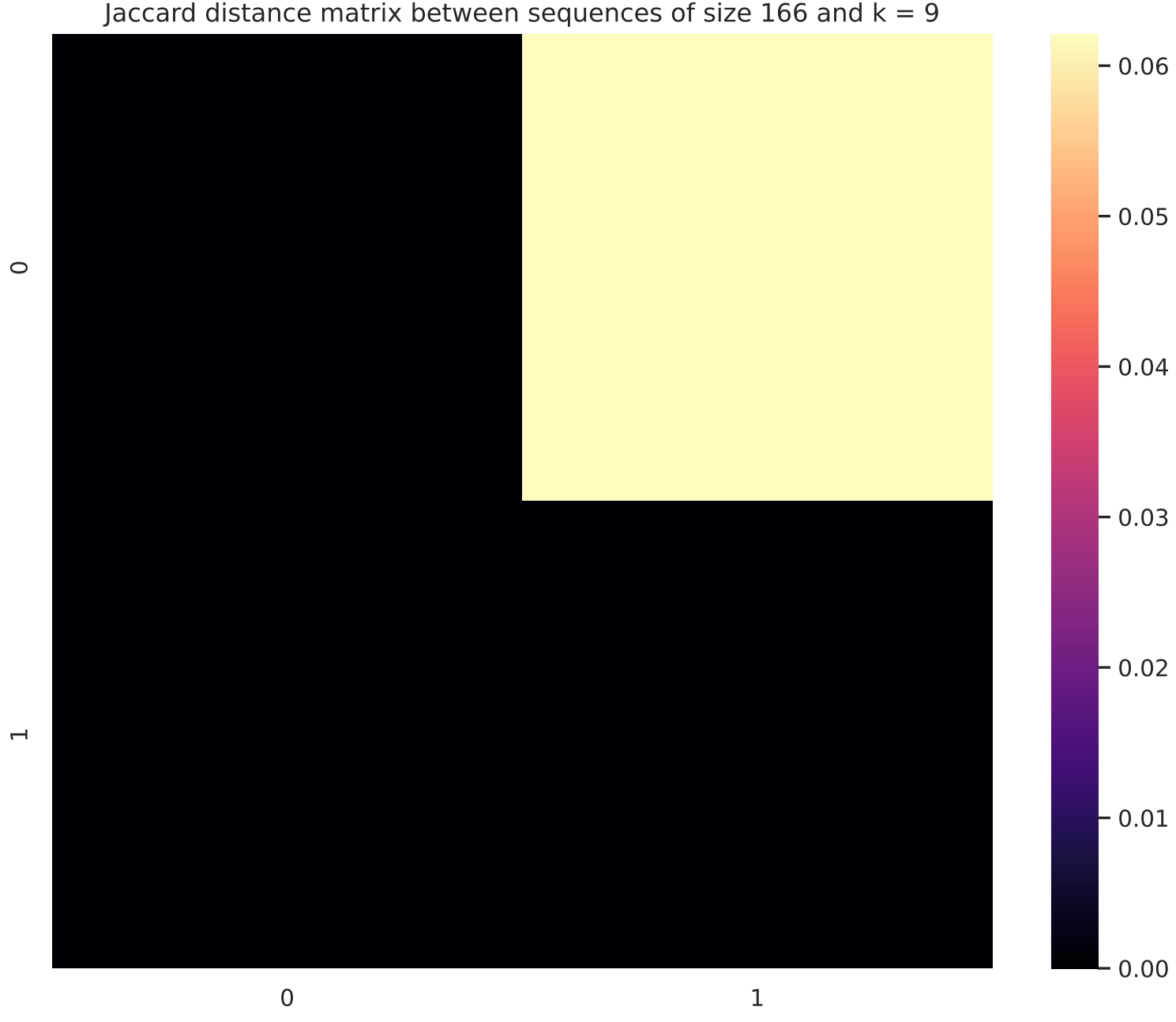

Jaccard distance matrix between sequences of size 138 and k = 9
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00

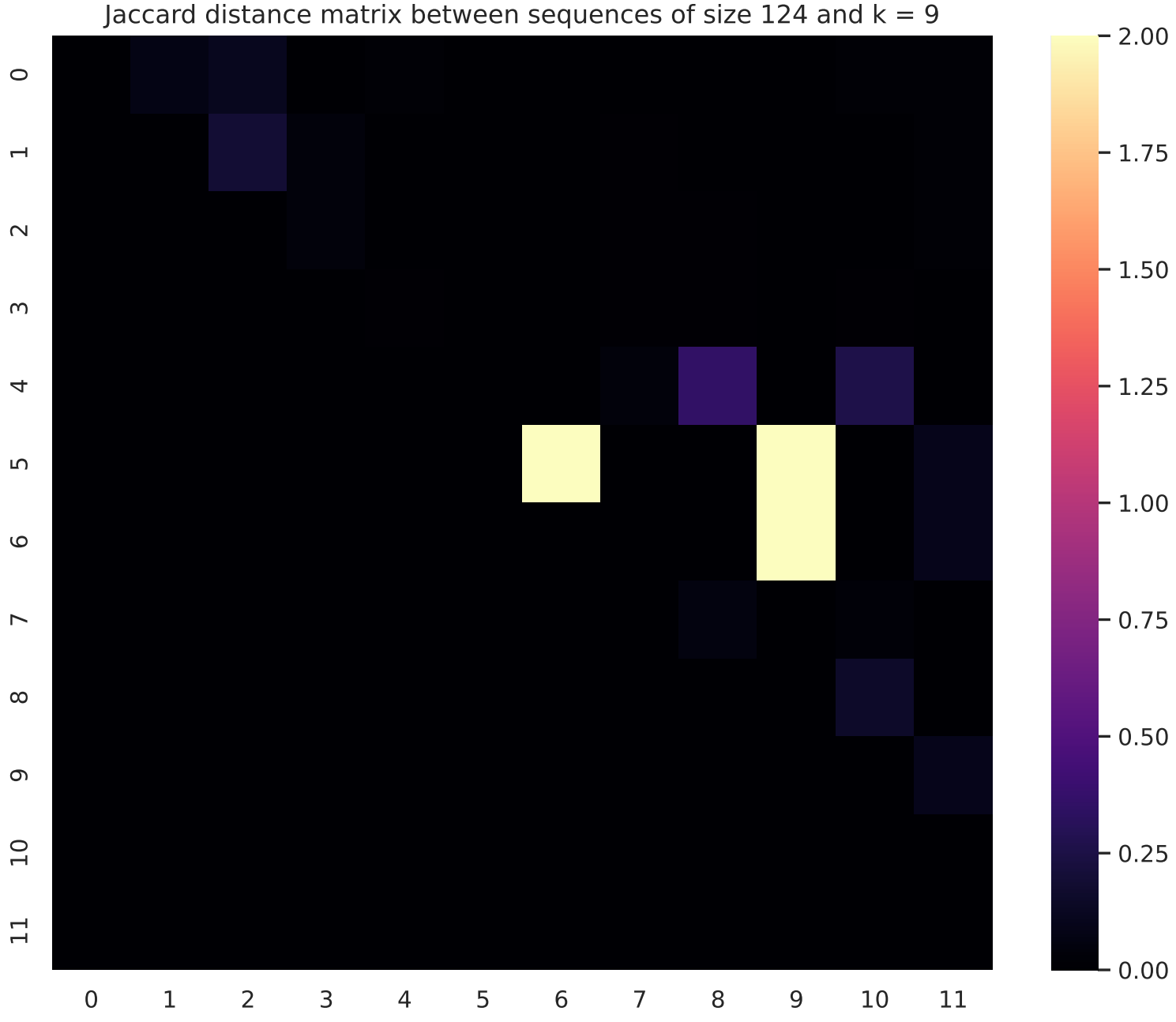

Jaccard distance matrix between sequences of size 133 and k = 9
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00

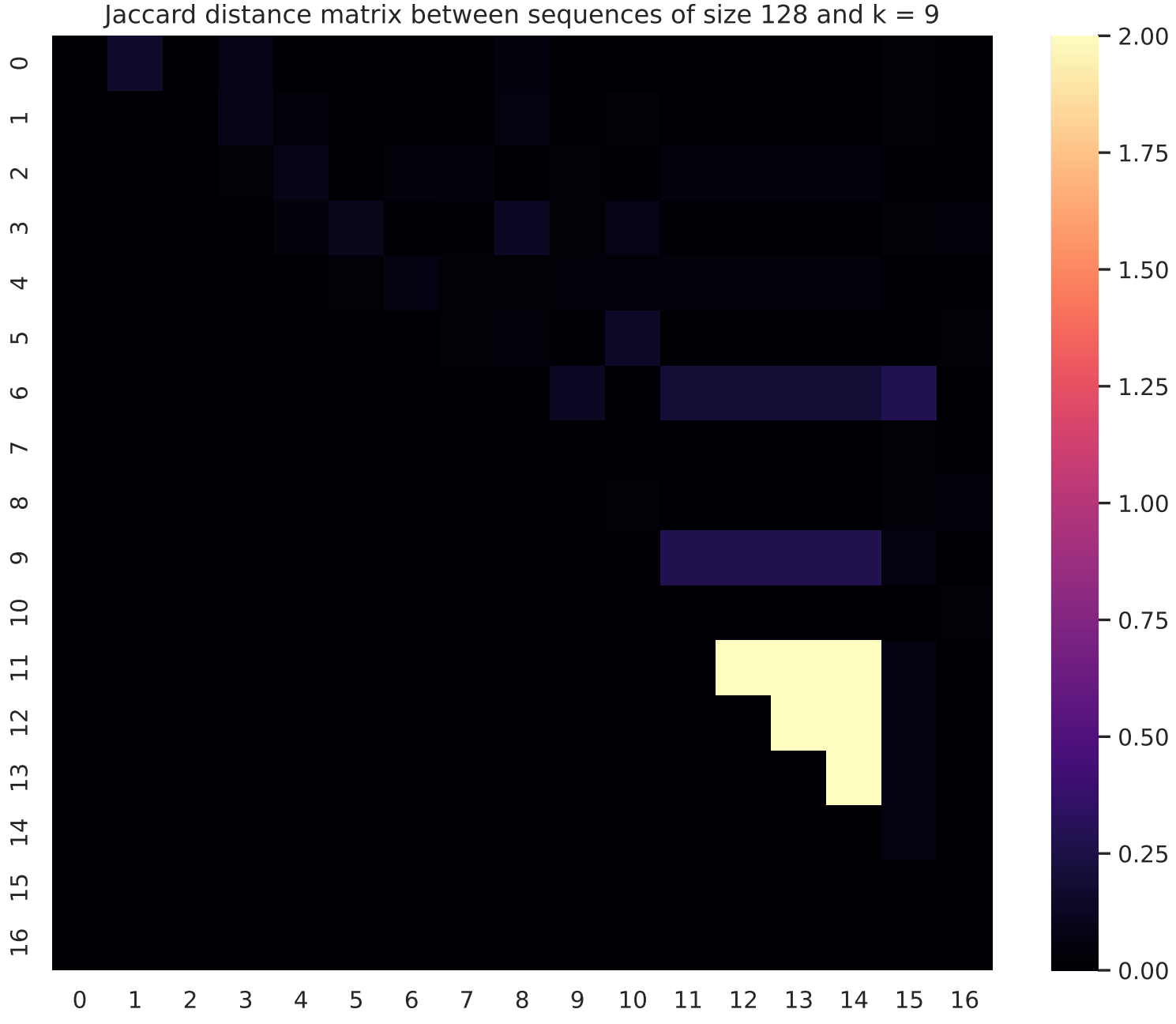

Jaccard distance matrix between sequences of size 129 and k = 9
0
1
2
3
4
5
0
1
2
3
4
5
0.20
0.15
0.10
0.05
0.00

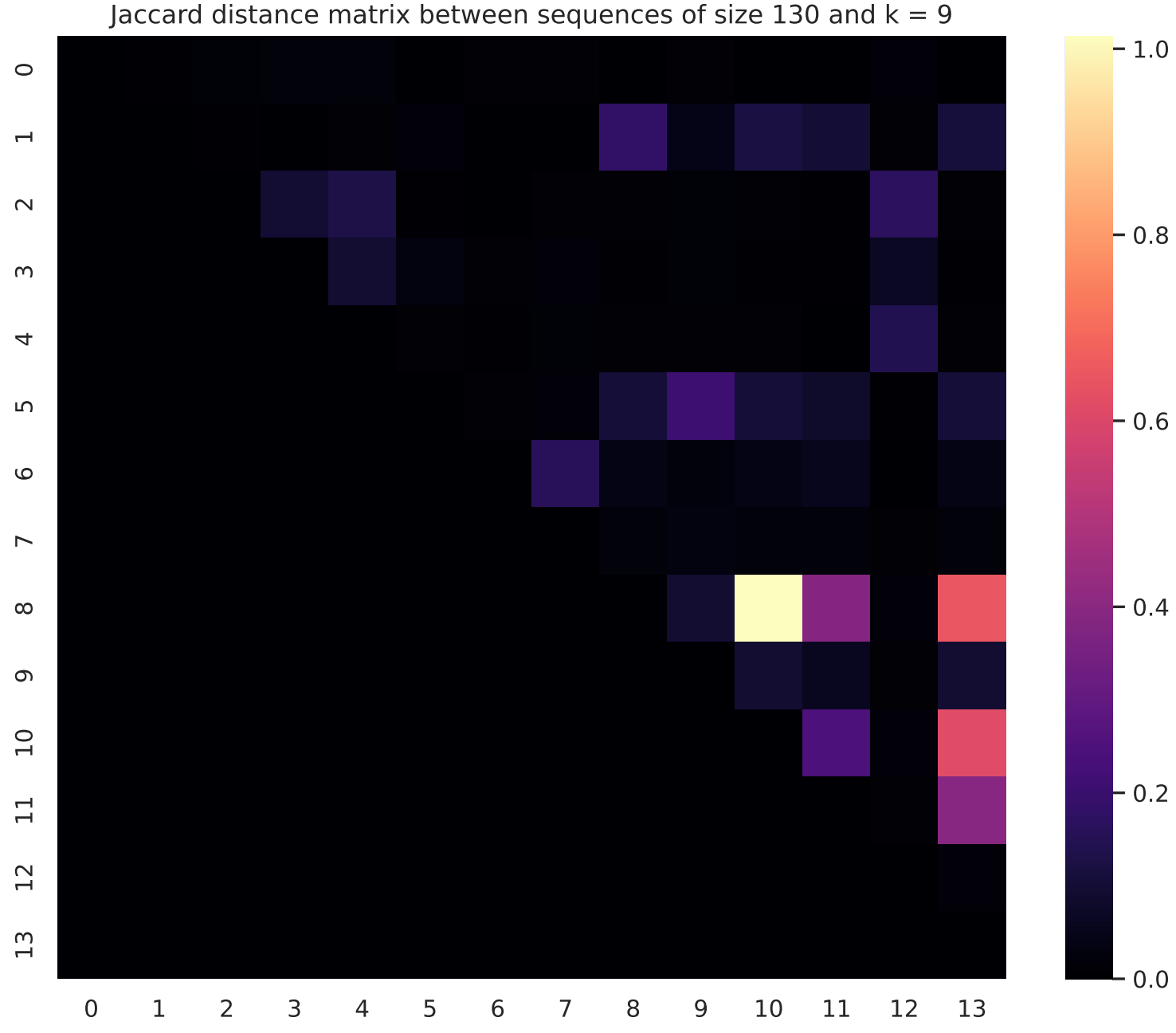

Jaccard distance matrix between sequences of size 131 and k = 9
0
1
2
3
4
5
6
7
8
9
10
0
1
2
3
4
5
6
7
8
9
10
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00

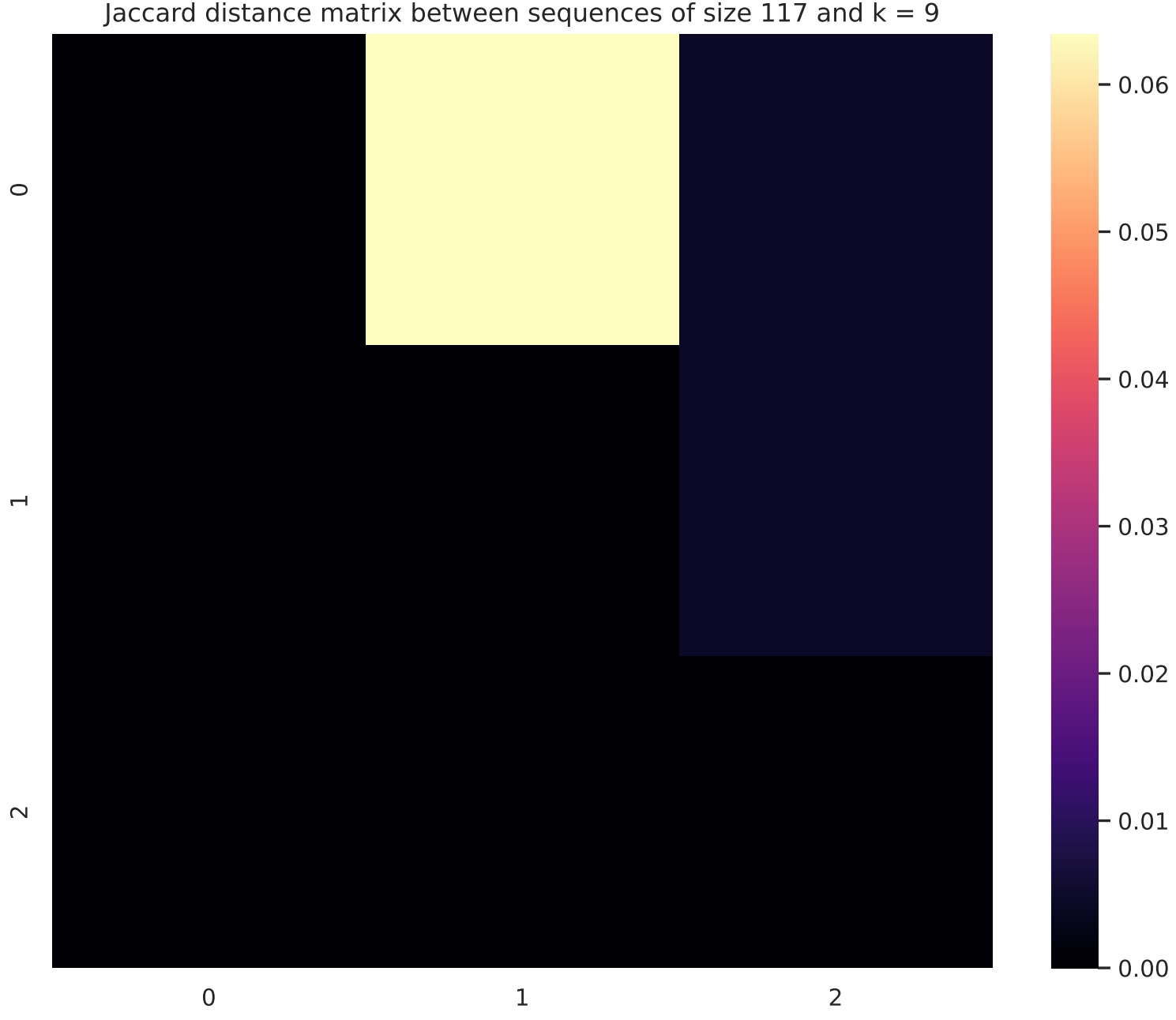

Jaccard distance matrix between sequences of size 132 and k = 9
0
1
2
3
4
5
6
7
8
9
10
0
1
2
3
4
5
6
7
8
9
10
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00

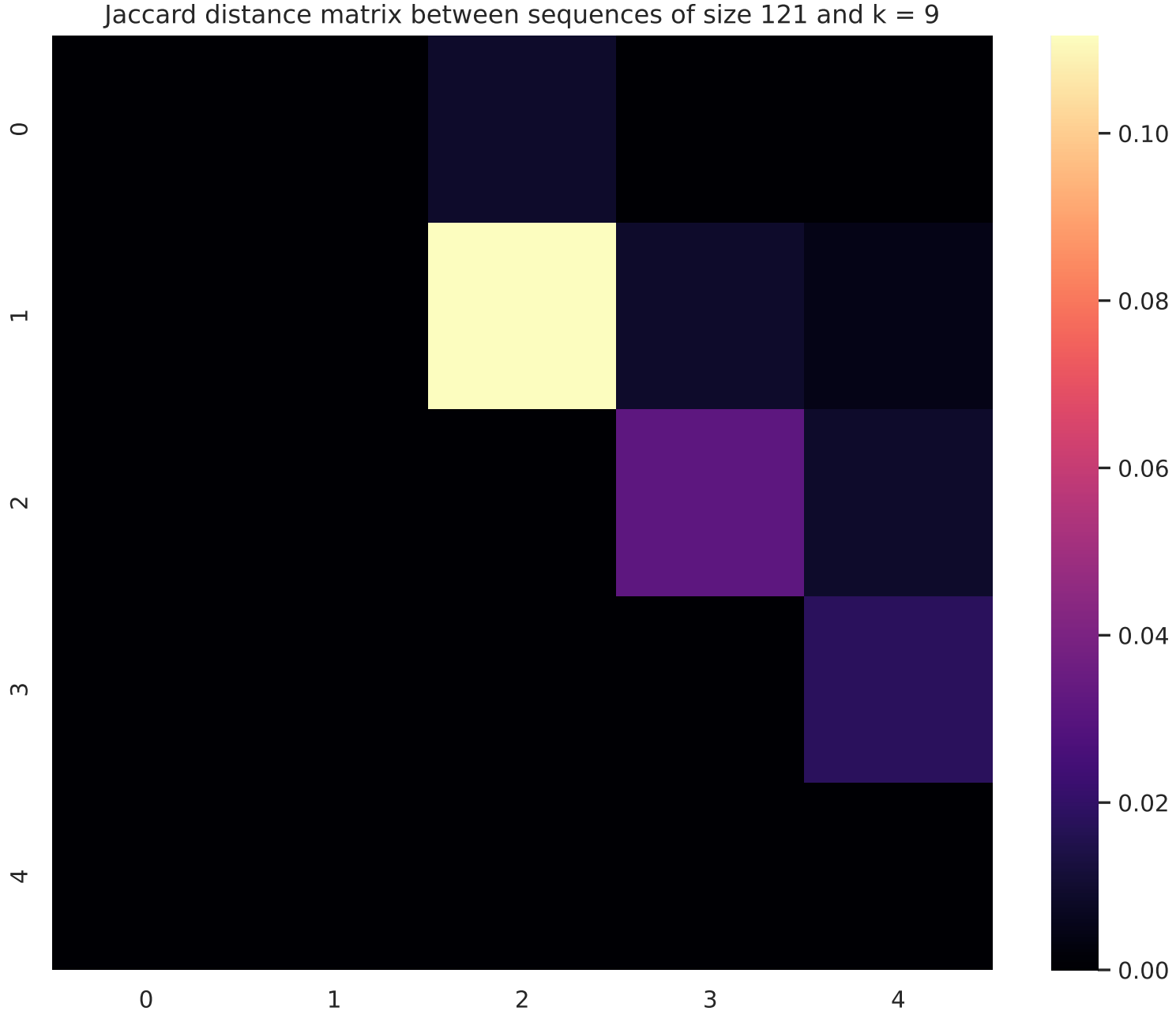

Jaccard distance matrix between sequences of size 166 and k = 9
0
1
0
1
0.06
0.05
0.04
0.03
0.02
0.01
0.00

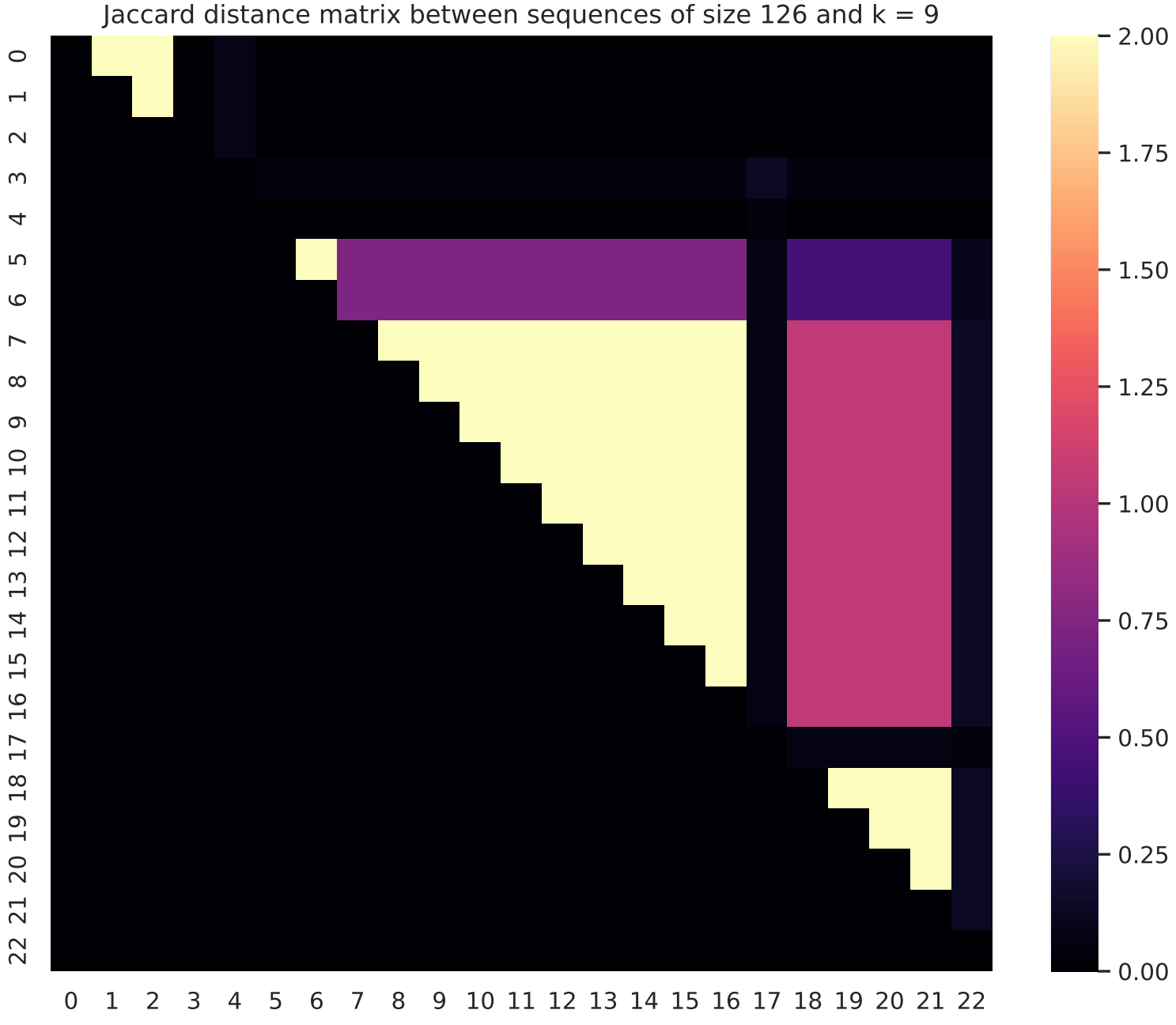

Jaccard distance matrix between sequences of size 124 and k = 9
0
1
2
3
4
5
6
7
8
9
10
11
0
1
2
3
4
5
6
7
8
9
10
11
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00

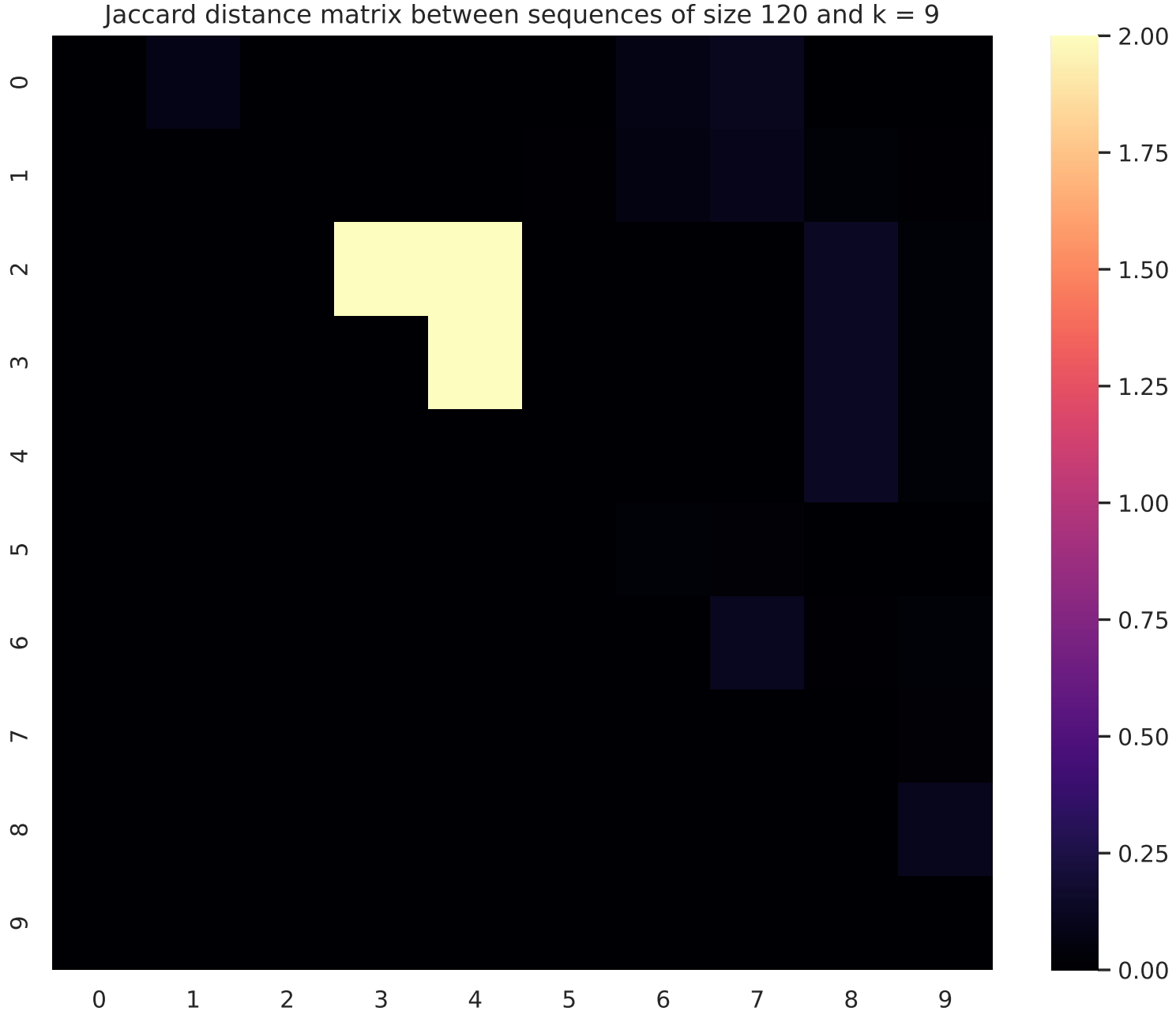

Jaccard distance matrix between sequences of size 128 and k = 9
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00

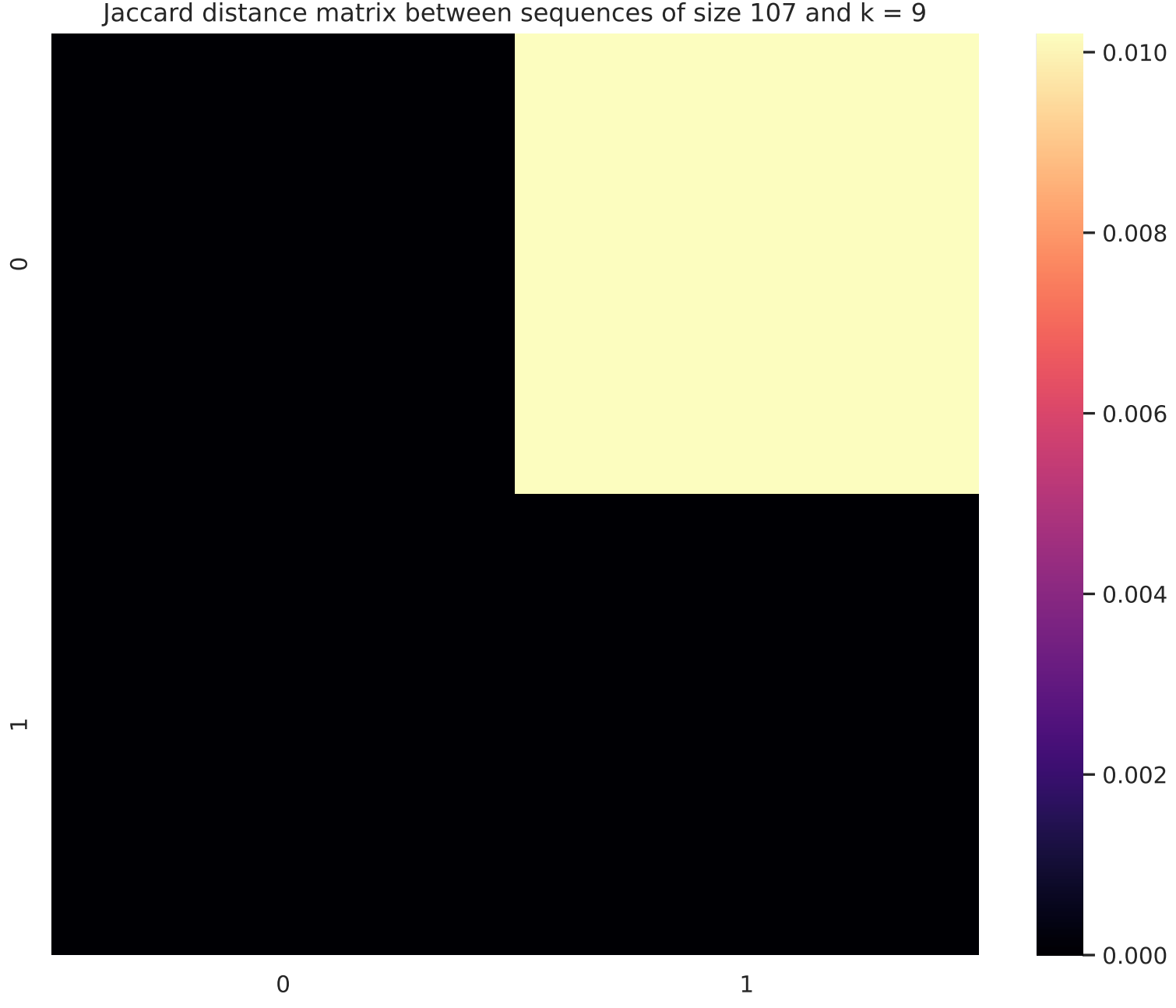

Jaccard distance matrix between sequences of size 130 and k = 9
0
1
2
3
4
5
6
7
8
9
10
11
12
13
0
1
2
3
4
5
6
7
8
9
10
11
12
13
1.0
0.8
0.6
0.4
0.2
0.0

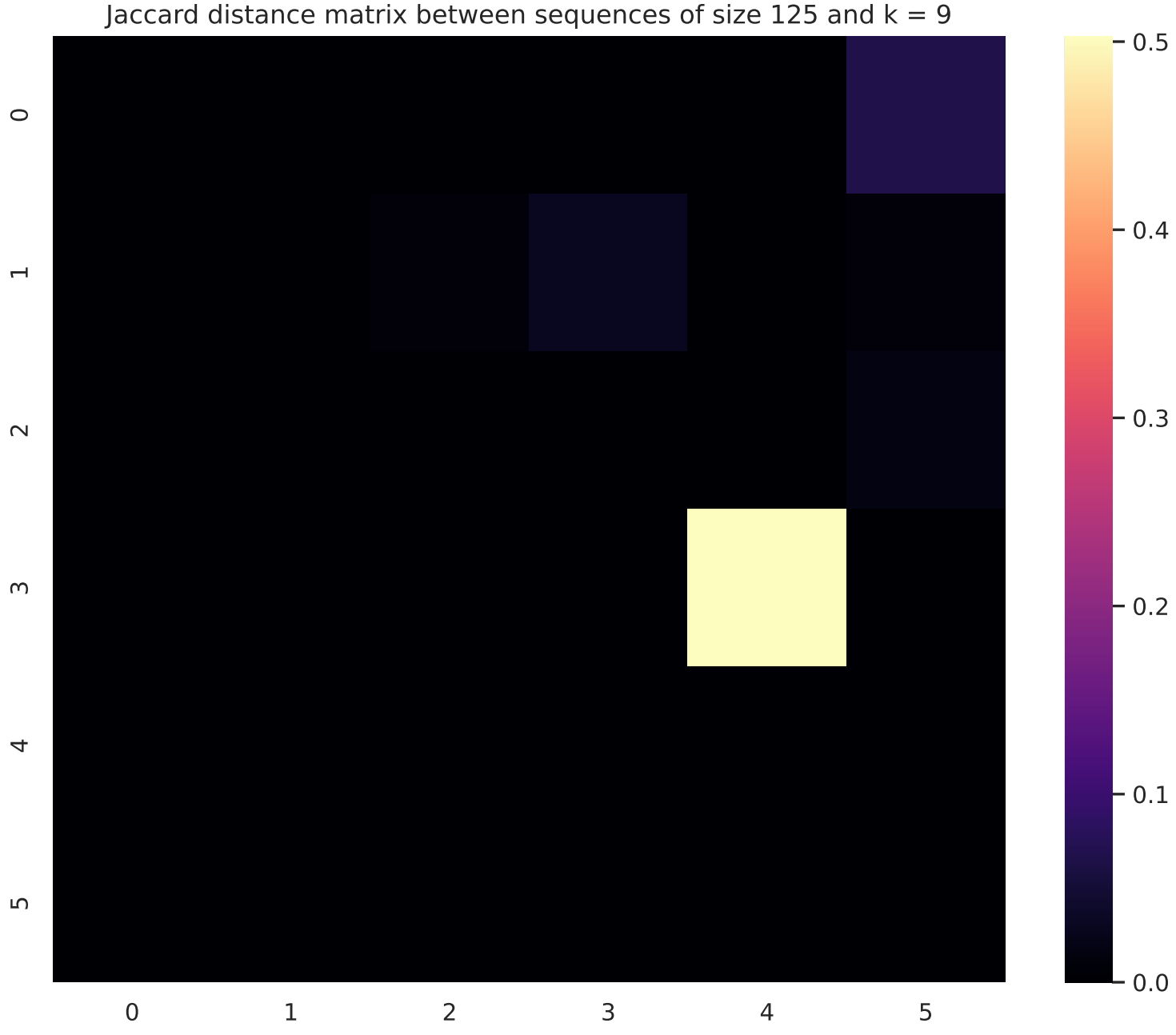

Jaccard distance matrix between sequences of size 117 and k = 9
0
1
2
0
1
2
0.06
0.05
0.04
0.03
0.02
0.01
0.00

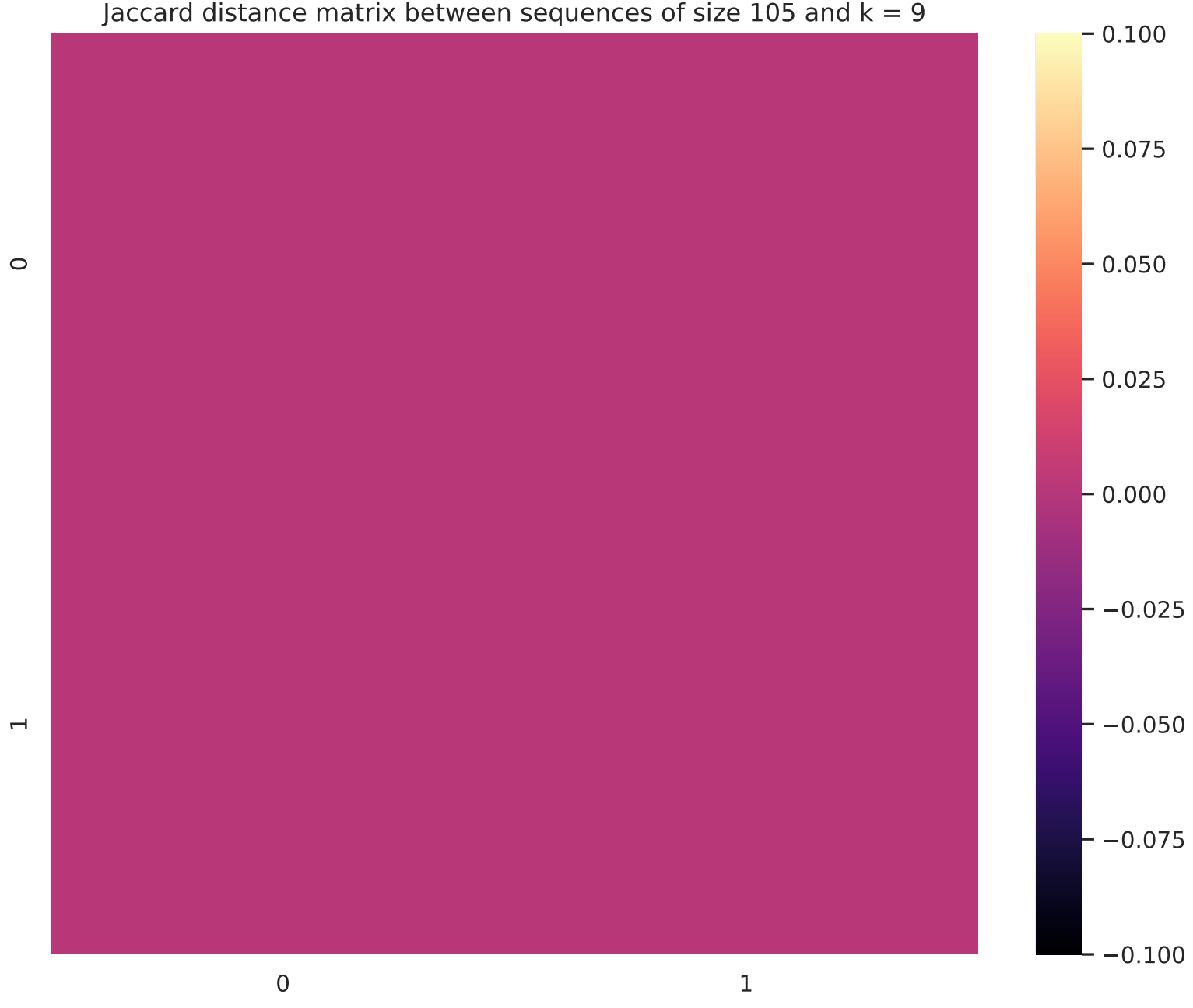

Jaccard distance matrix between sequences of size 121 and k = 9
0
1
2
3
4
0
1
2
3
4
0.10
0.08
0.06
0.04
0.02
0.00

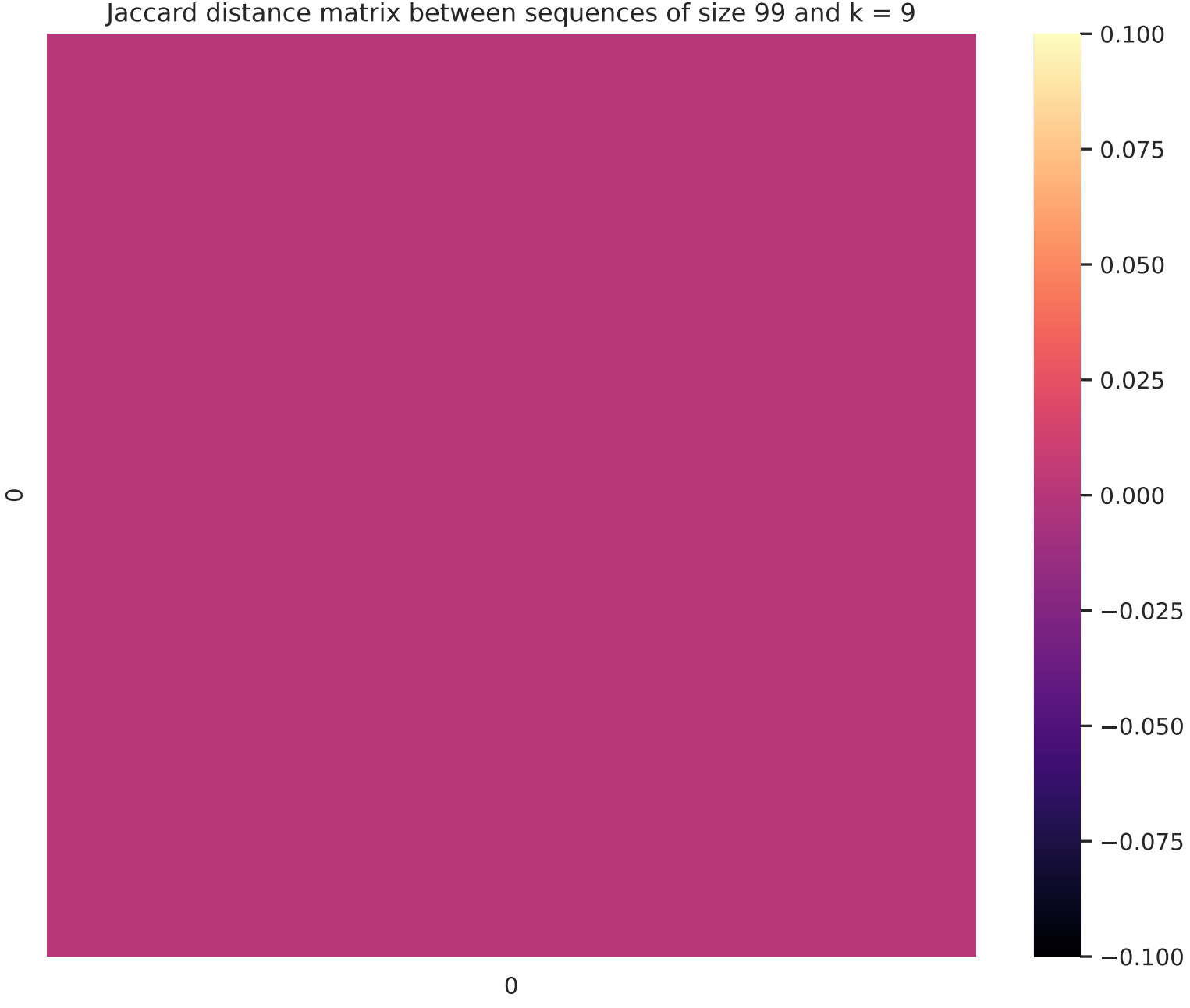

Jaccard distance matrix between sequences of size 126 and k = 9
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00

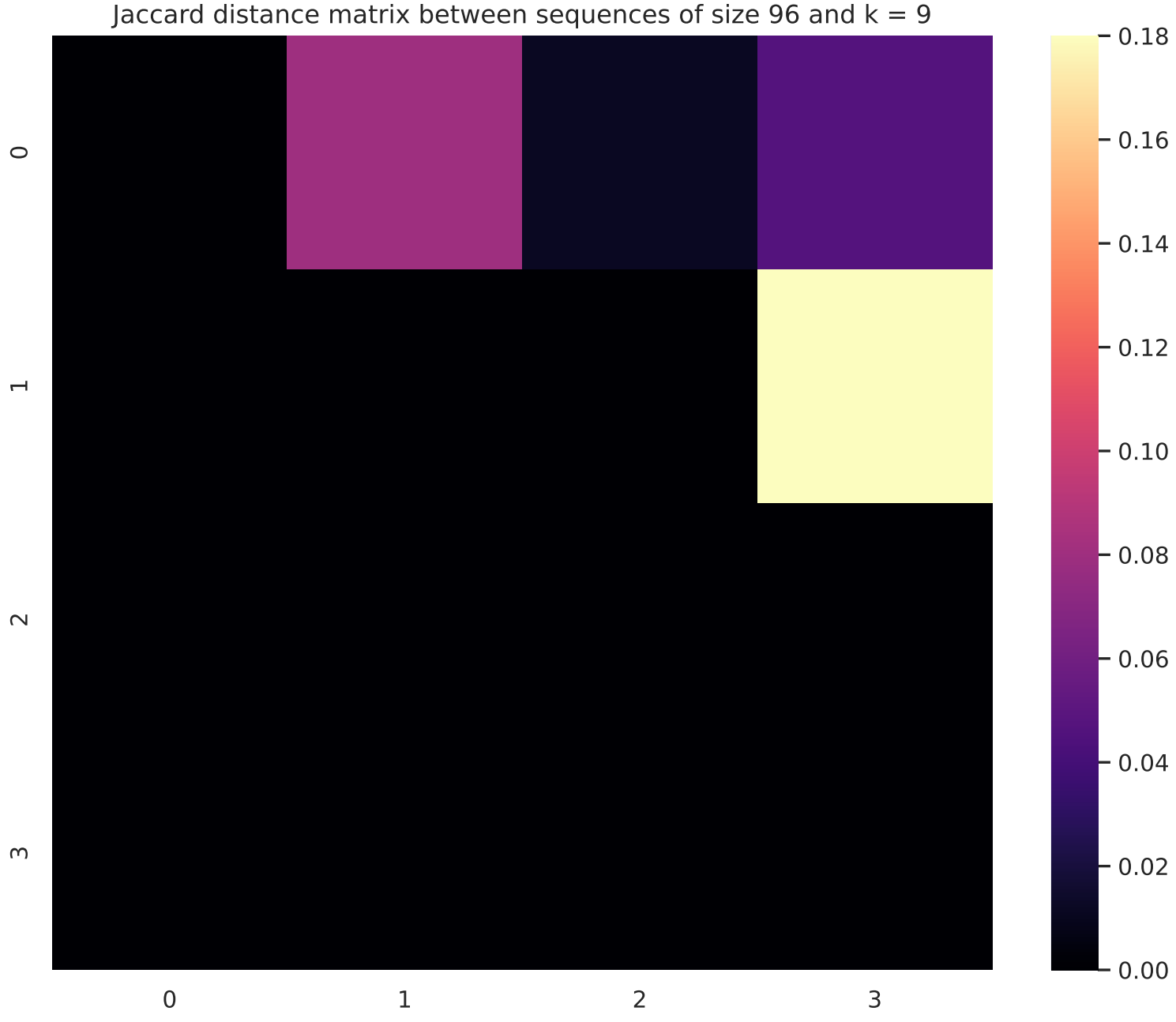

Jaccard distance matrix between sequences of size 120 and k = 9
0
1
2
3
4
5
6
7
8
9
0
1
2
3
4
5
6
7
8
9
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00

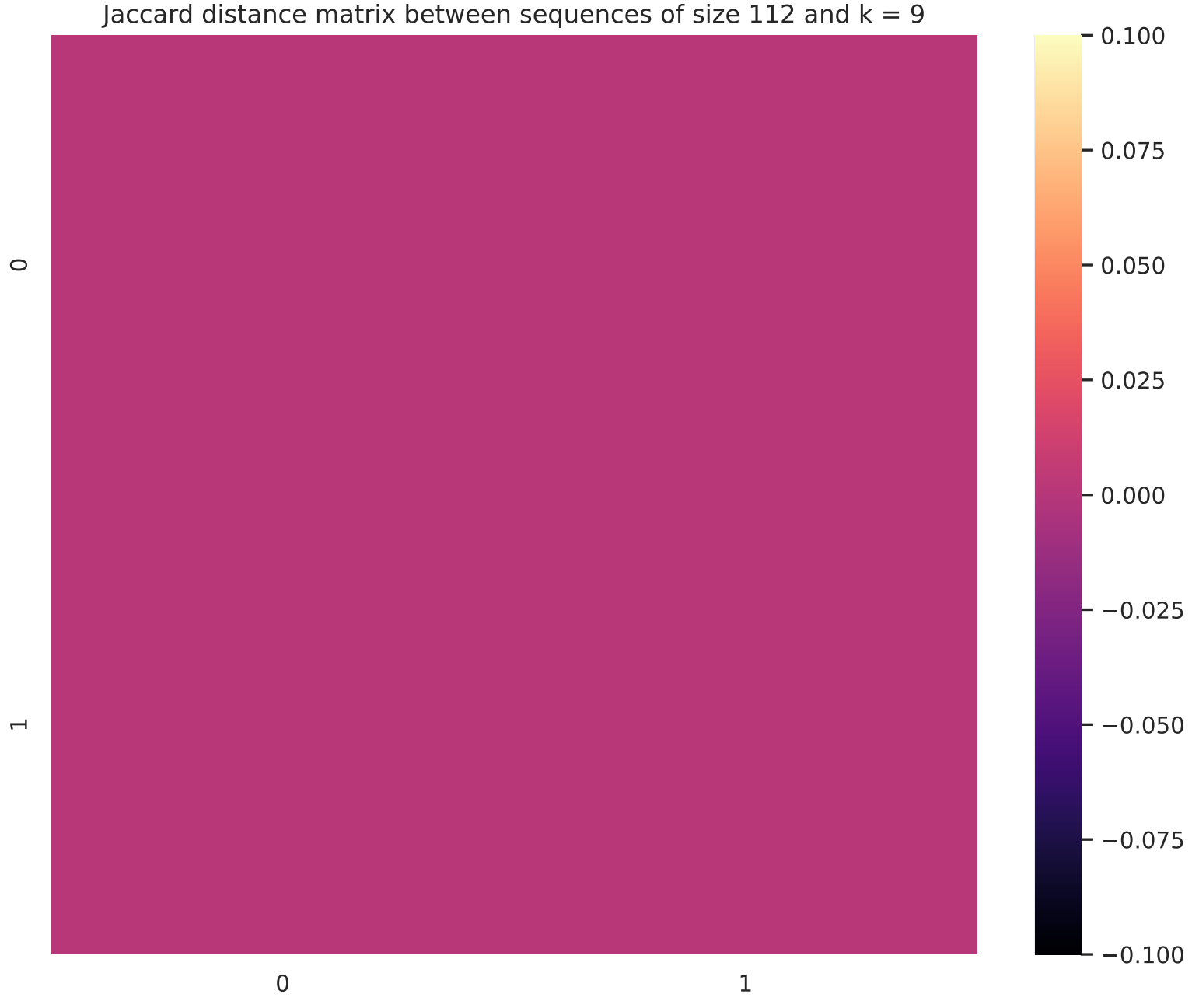

Jaccard distance matrix between sequences of size 107 and k = 9
0
1
0
1
0.010
0.008
0.006
0.004
0.002
0.000

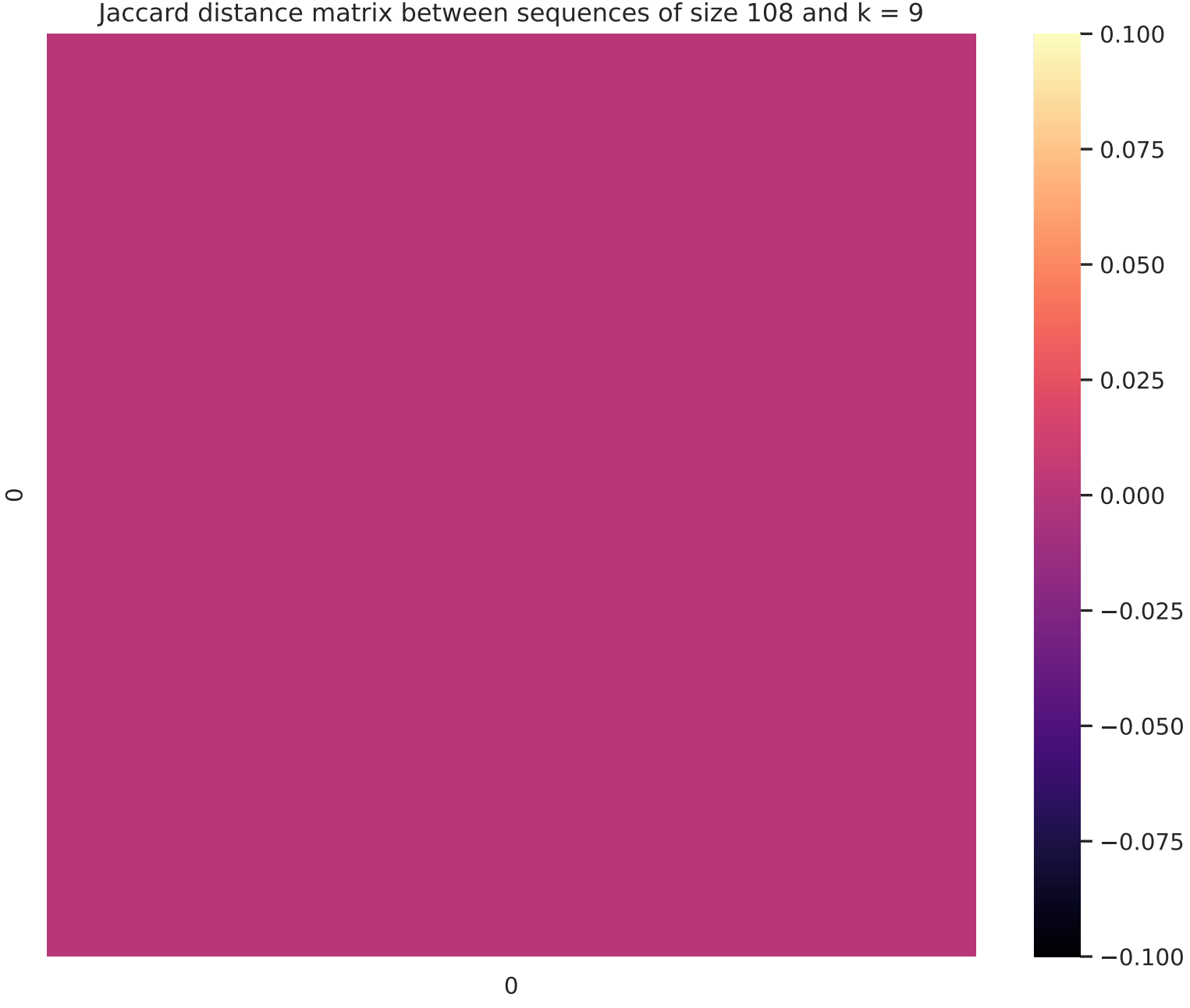

Jaccard distance matrix between sequences of size 125 and k = 9
0
1
2
3
4
5
0
1
2
3
4
5
0.5
0.4
0.3
0.2
0.1
0.0

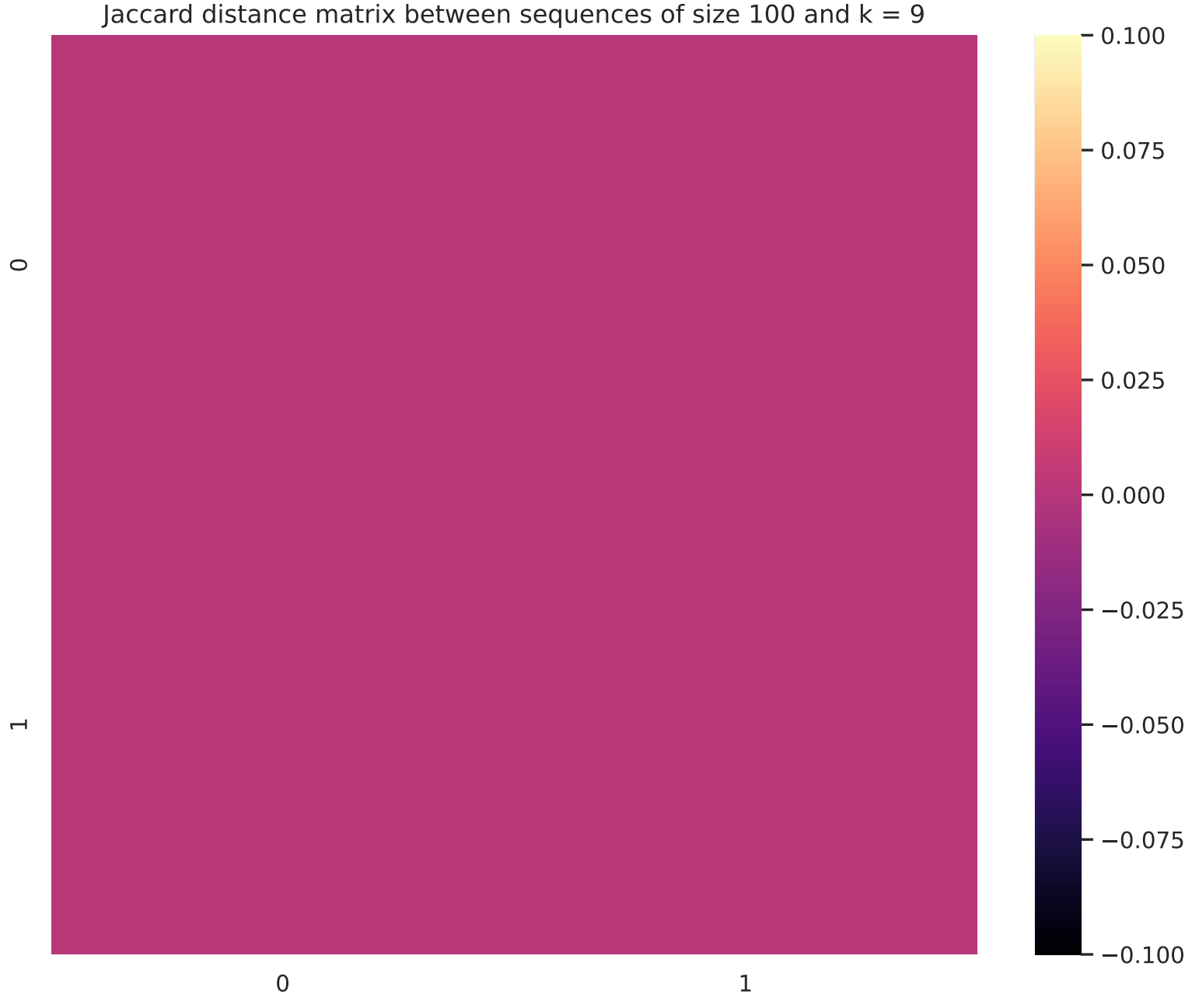

Jaccard distance matrix between sequences of size 105 and k = 9
0
1
0
1
0.100
0.075
0.050
0.025
0.000
−0.025
−0.050
−0.075
−0.100

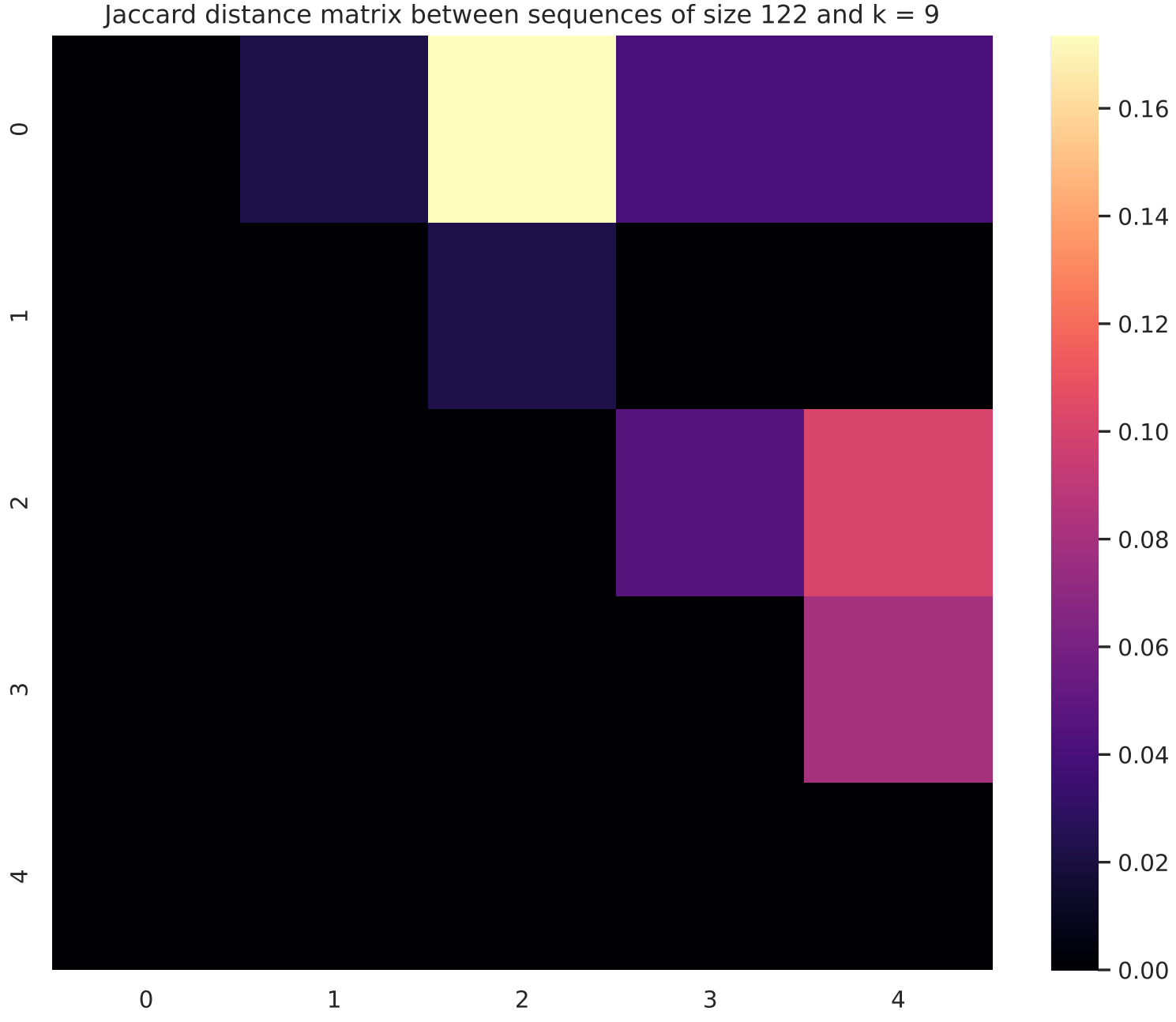

Jaccard distance matrix between sequences of size 99 and k = 9
0
0
0.100
0.075
0.050
0.025
0.000
−0.025
−0.050
−0.075
−0.100

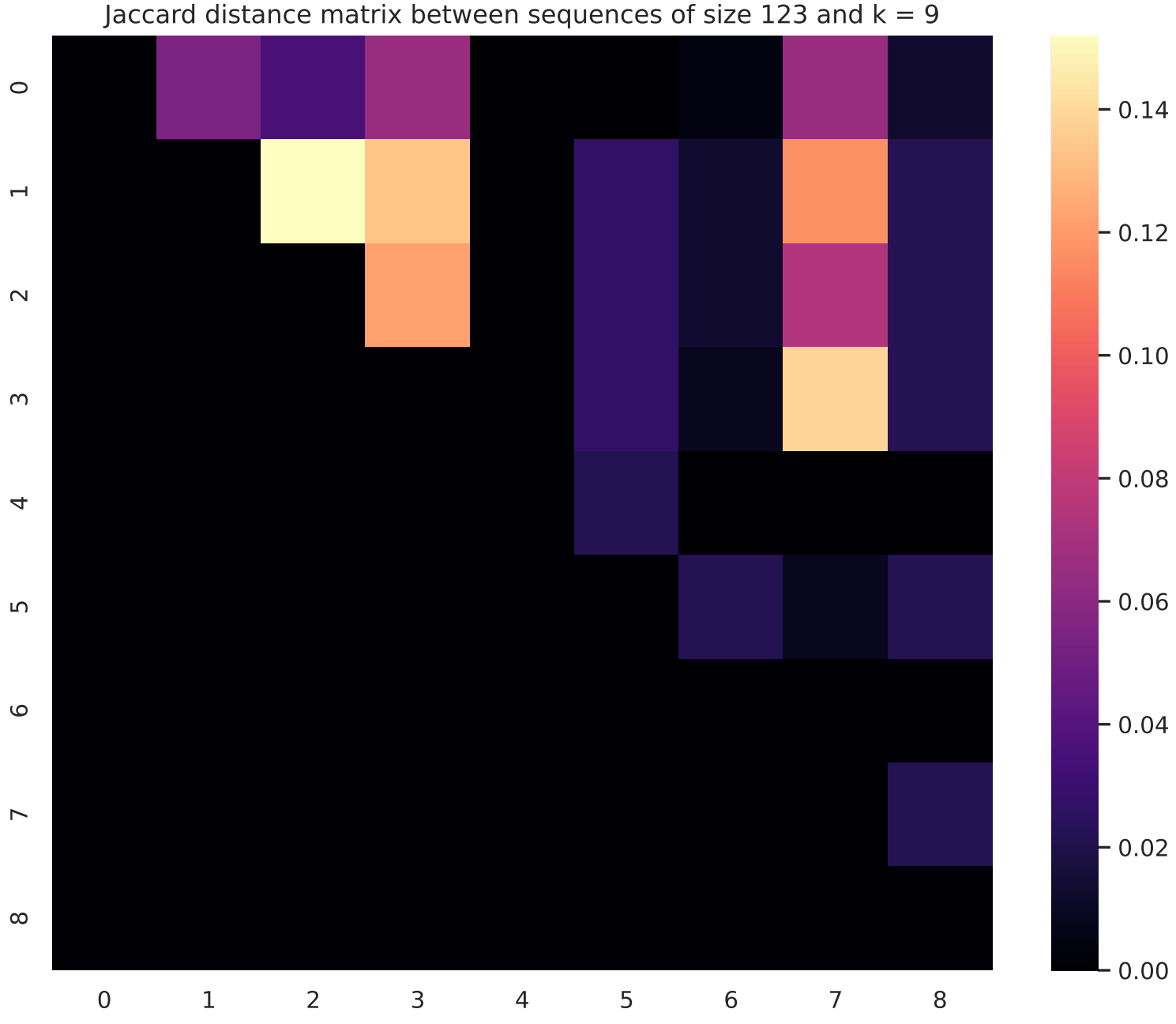

Jaccard distance matrix between sequences of size 96 and k = 9
0
1
2
3
0
1
2
3
0.18
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00

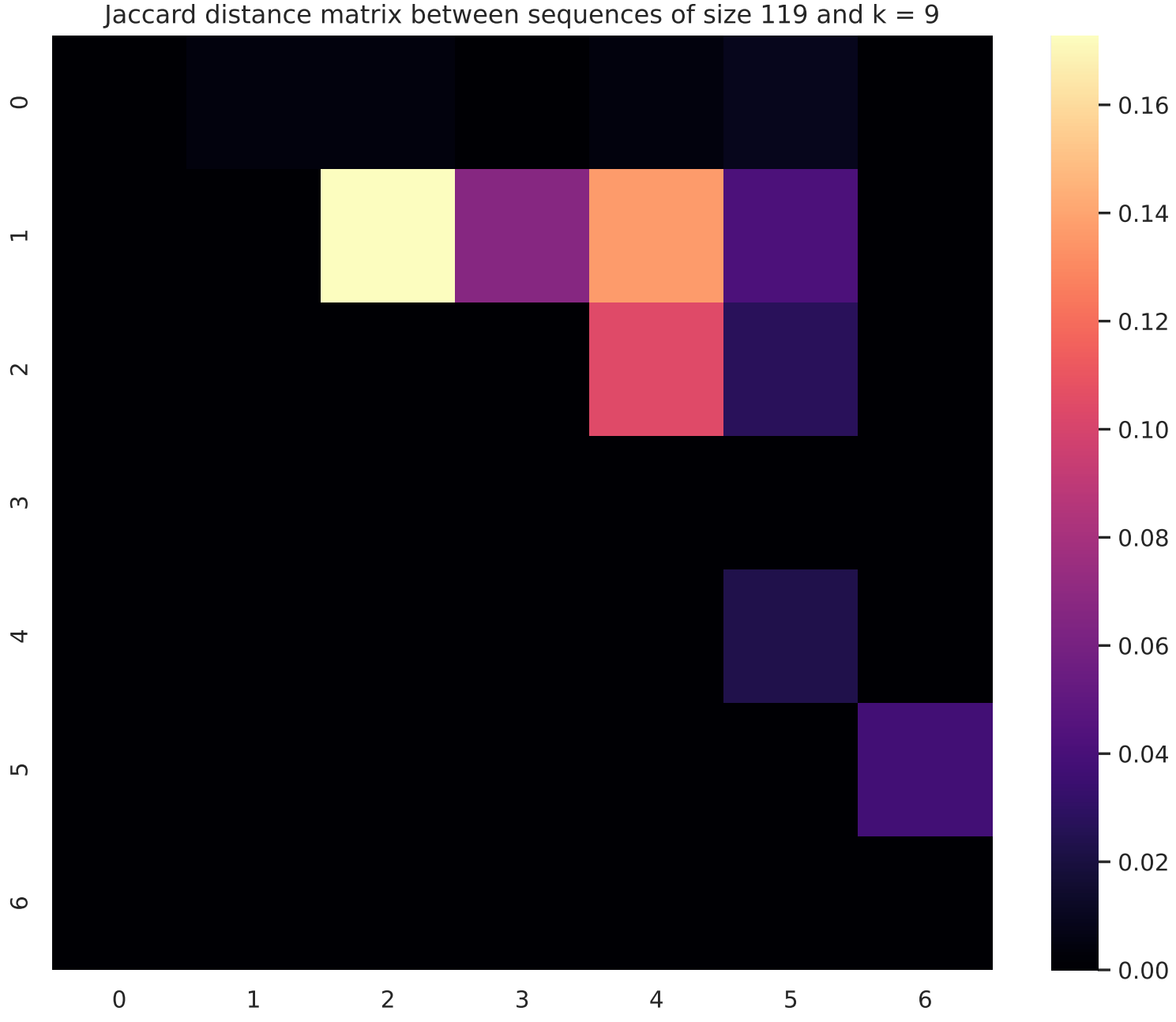

Jaccard distance matrix between sequences of size 112 and k = 9
0
1
0
1
0.100
0.075
0.050
0.025
0.000
−0.025
−0.050
−0.075
−0.100

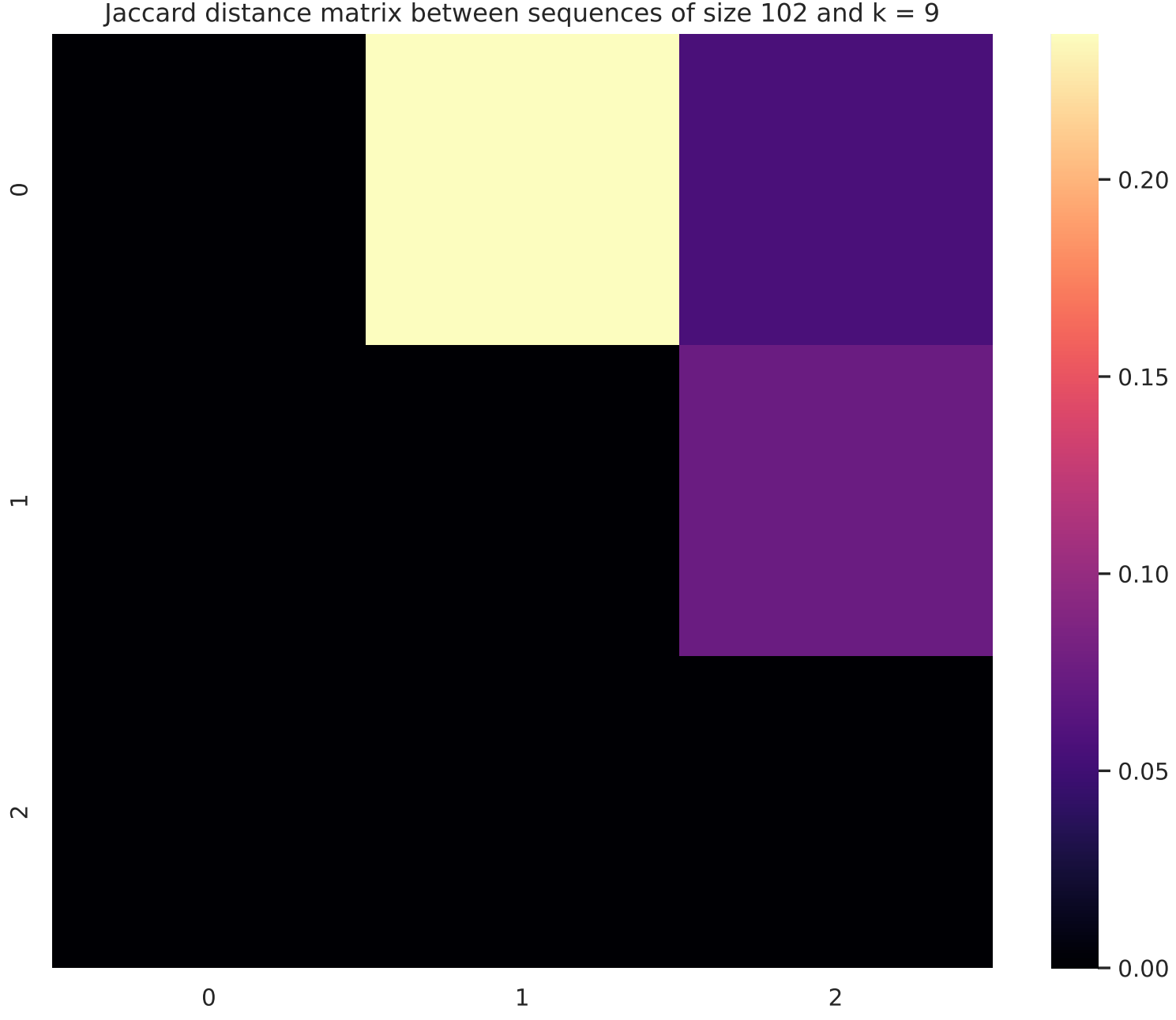

Jaccard distance matrix between sequences of size 108 and k = 9
0
0
0.100
0.075
0.050
0.025
0.000
−0.025
−0.050
−0.075
−0.100

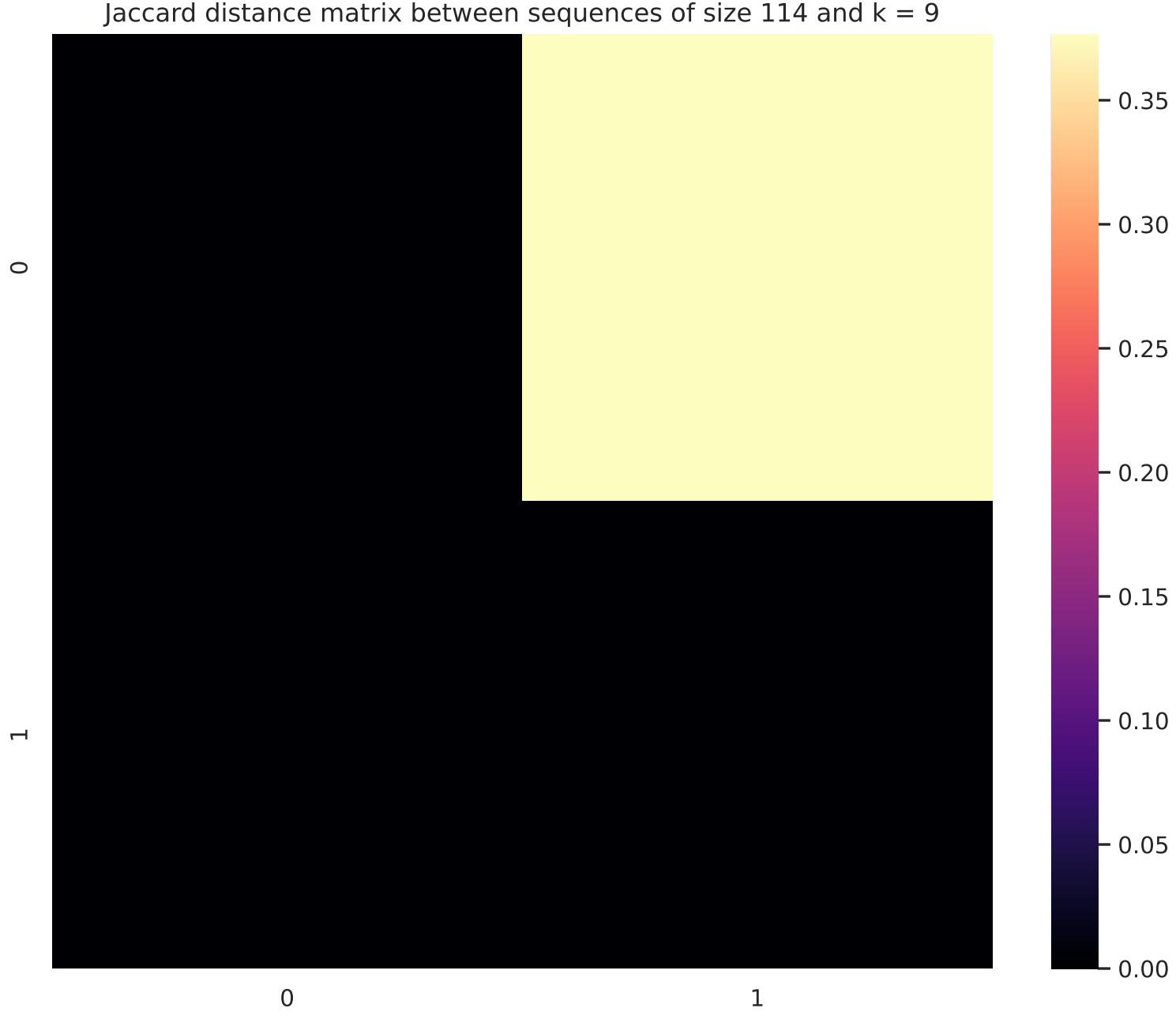

Jaccard distance matrix between sequences of size 100 and k = 9
0
1
0
1
0.100
0.075
0.050
0.025
0.000
−0.025
−0.050
−0.075
−0.100

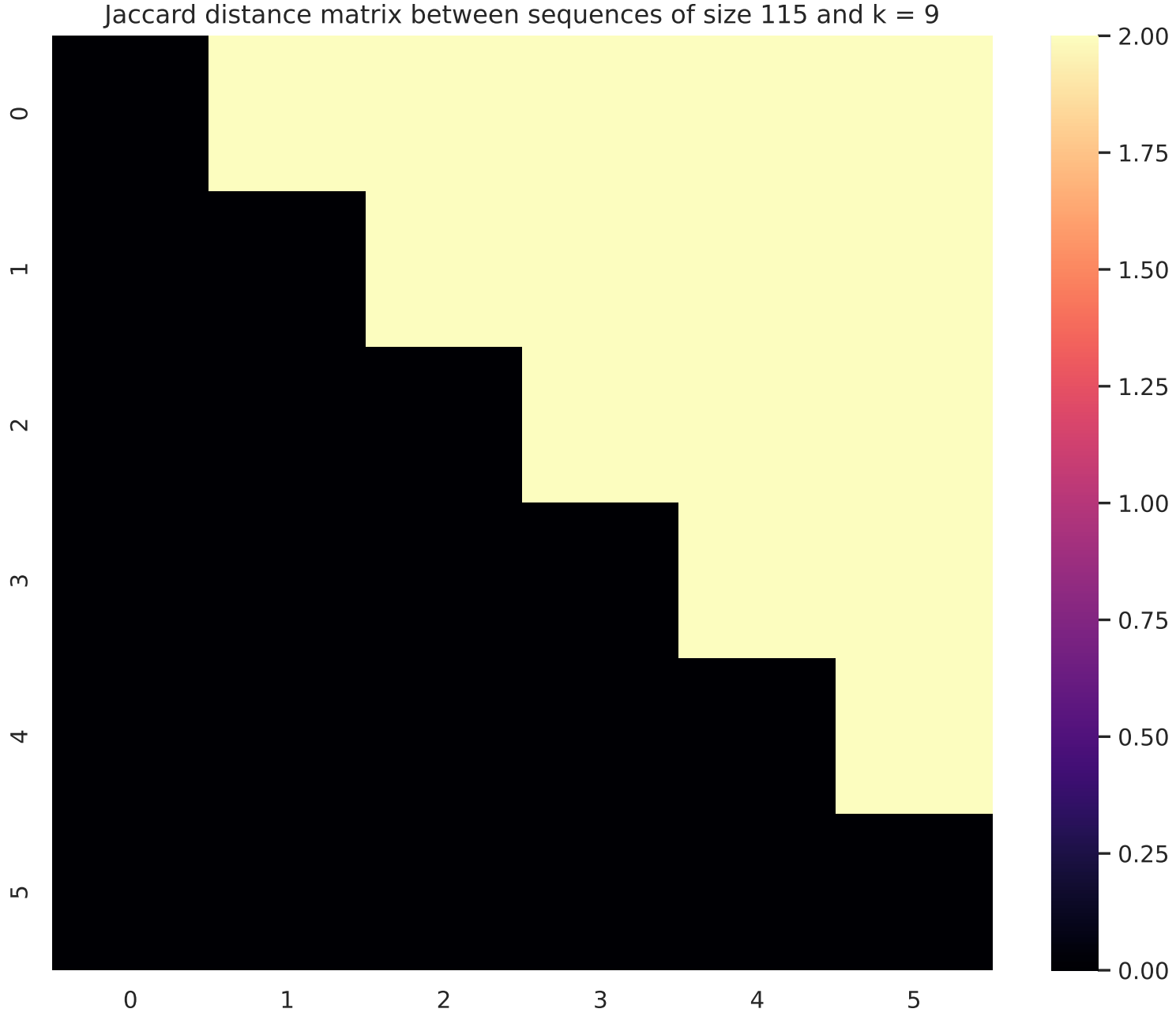

Jaccard distance matrix between sequences of size 122 and k = 9
0
1
2
3
4
0
1
2
3
4
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00

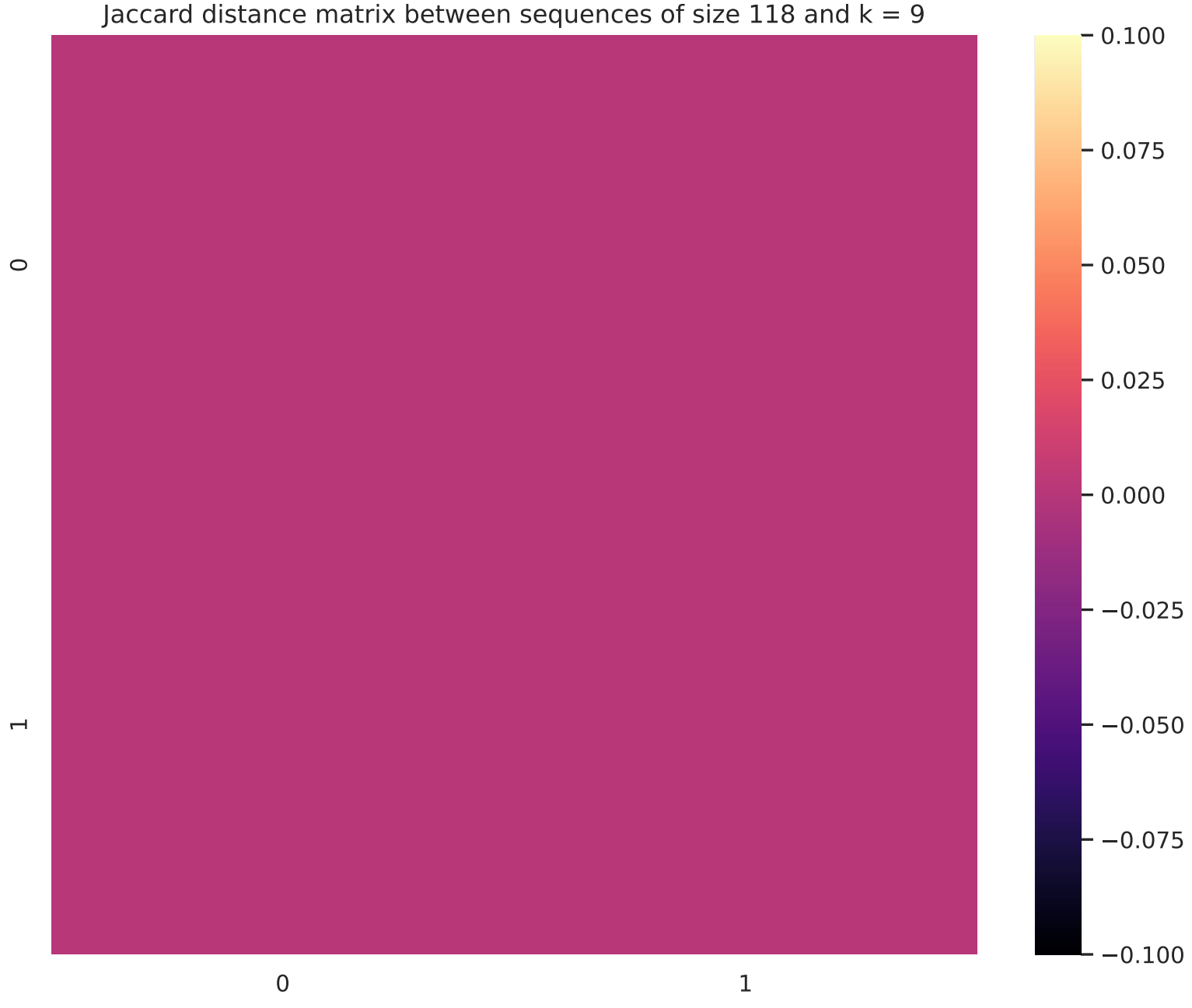

Jaccard distance matrix between sequences of size 123 and k = 9
0
1
2
3
4
5
6
7
8
0
1
2
3
4
5
6
7
8
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00

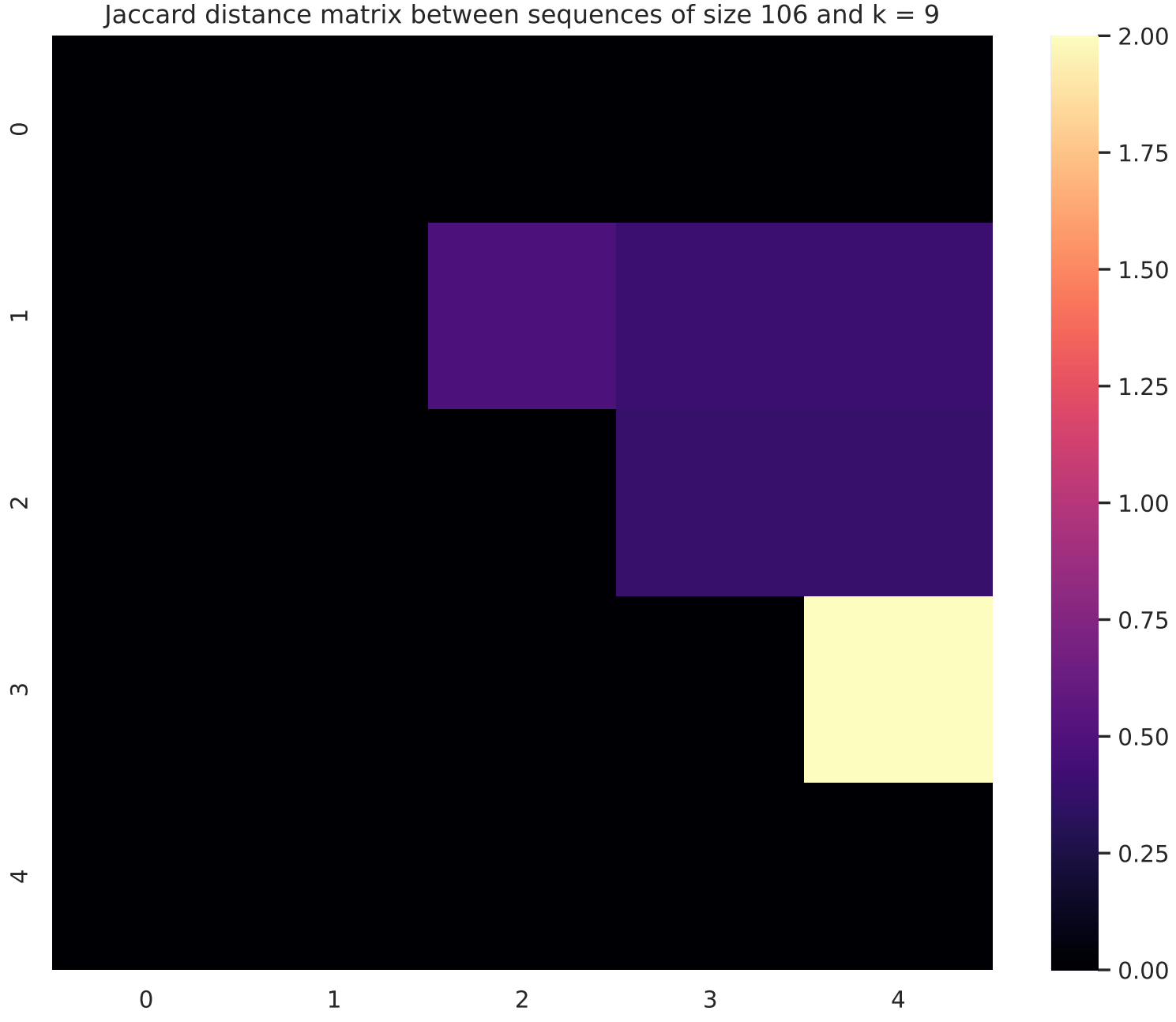

Jaccard distance matrix between sequences of size 119 and k = 9
0
1
2
3
4
5
6
0
1
2
3
4
5
6
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00

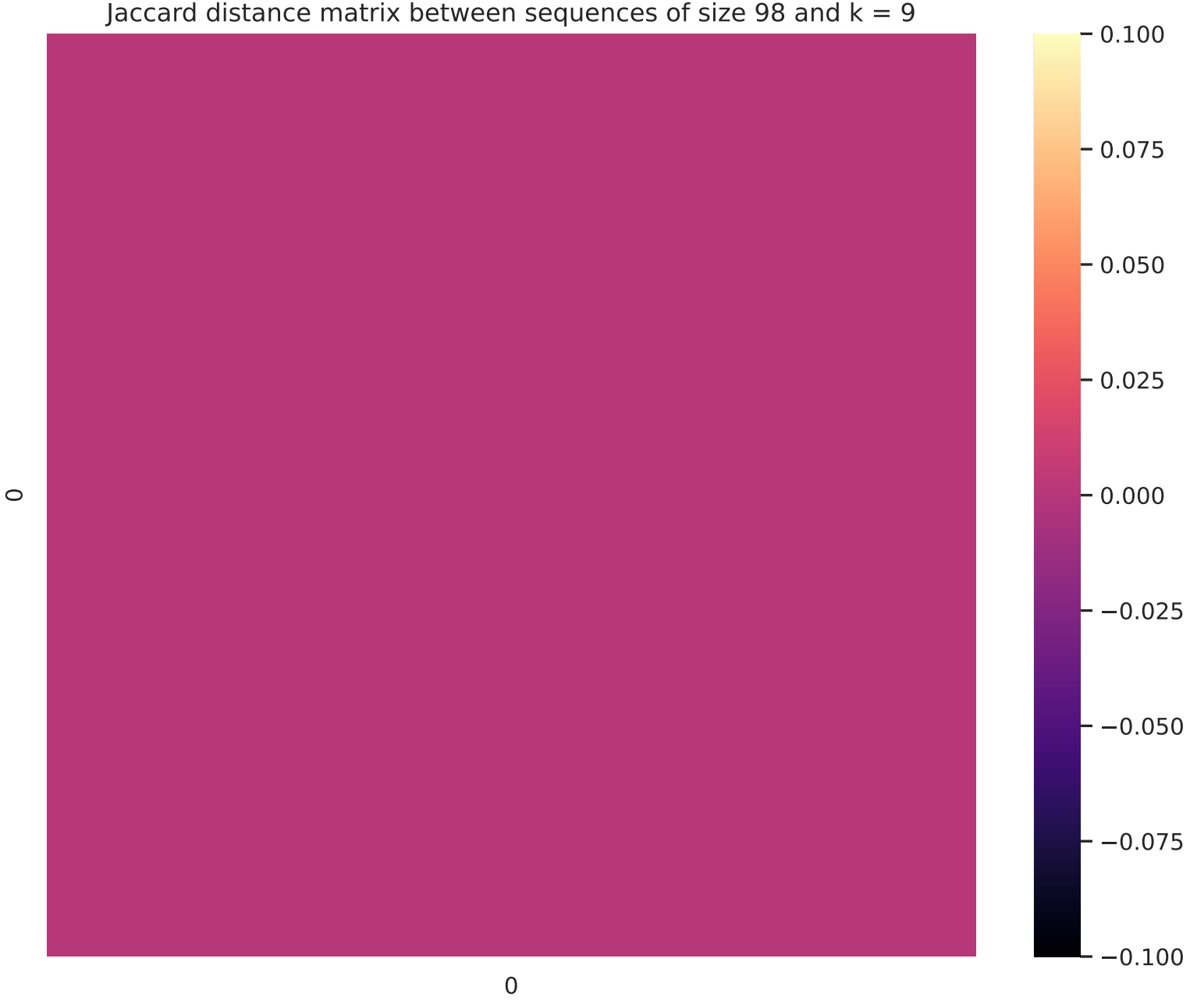

Jaccard distance matrix between sequences of size 102 and k = 9
0
1
2
0
1
2
0.20
0.15
0.10
0.05
0.00

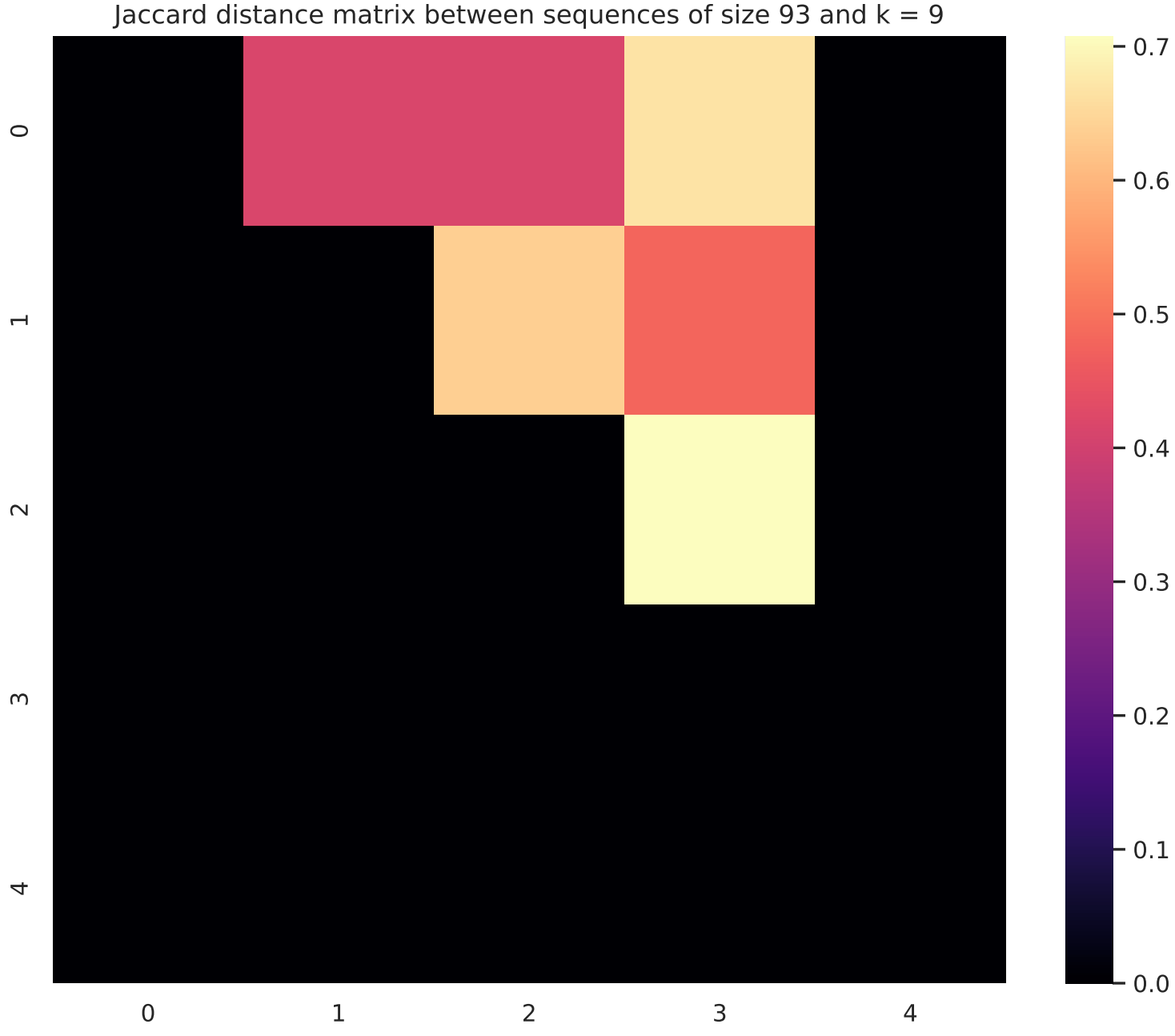

Jaccard distance matrix between sequences of size 114 and k = 9
0
1
0
1
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00

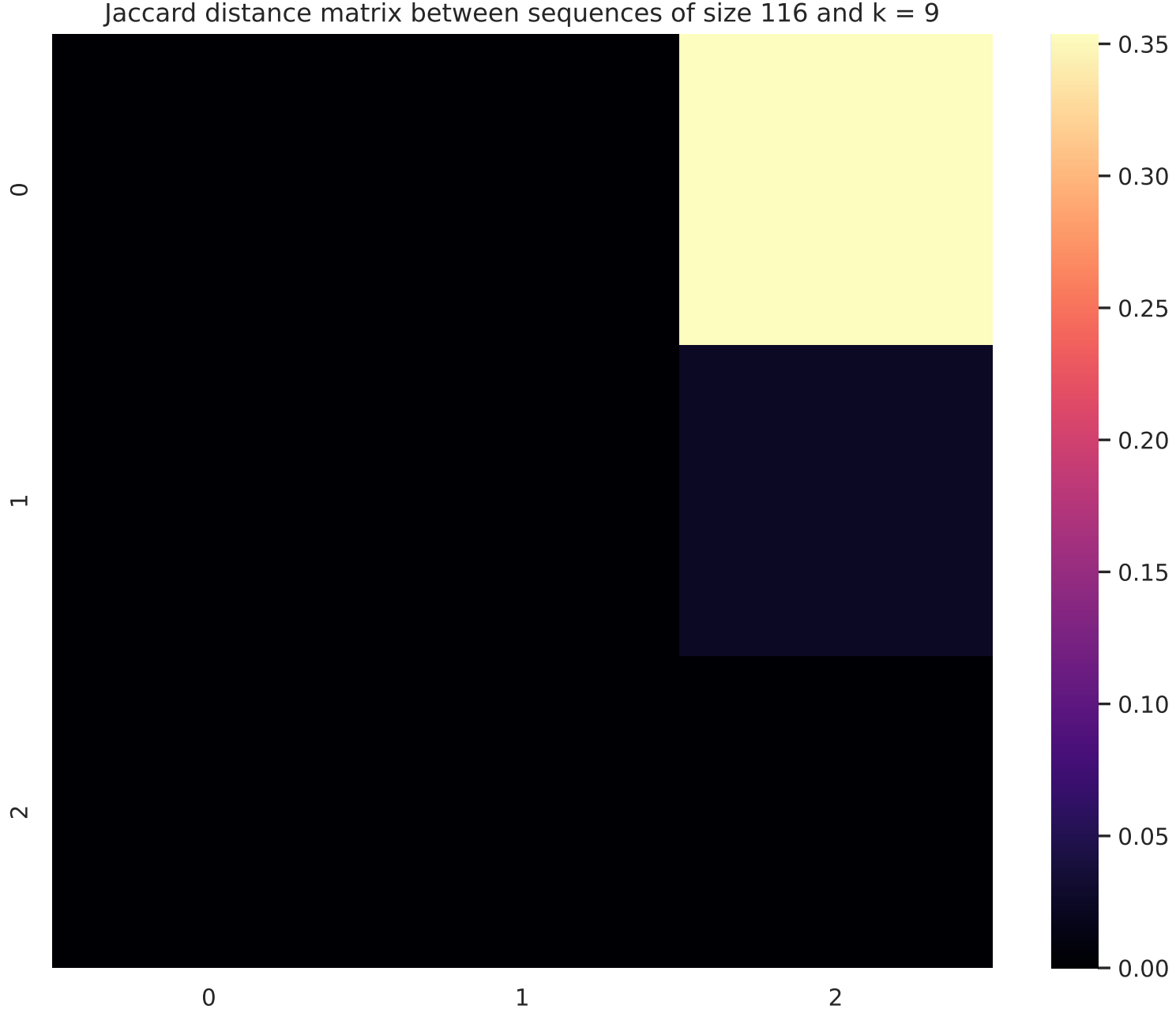

Jaccard distance matrix between sequences of size 115 and k = 9
0
1
2
3
4
5
0
1
2
3
4
5
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00

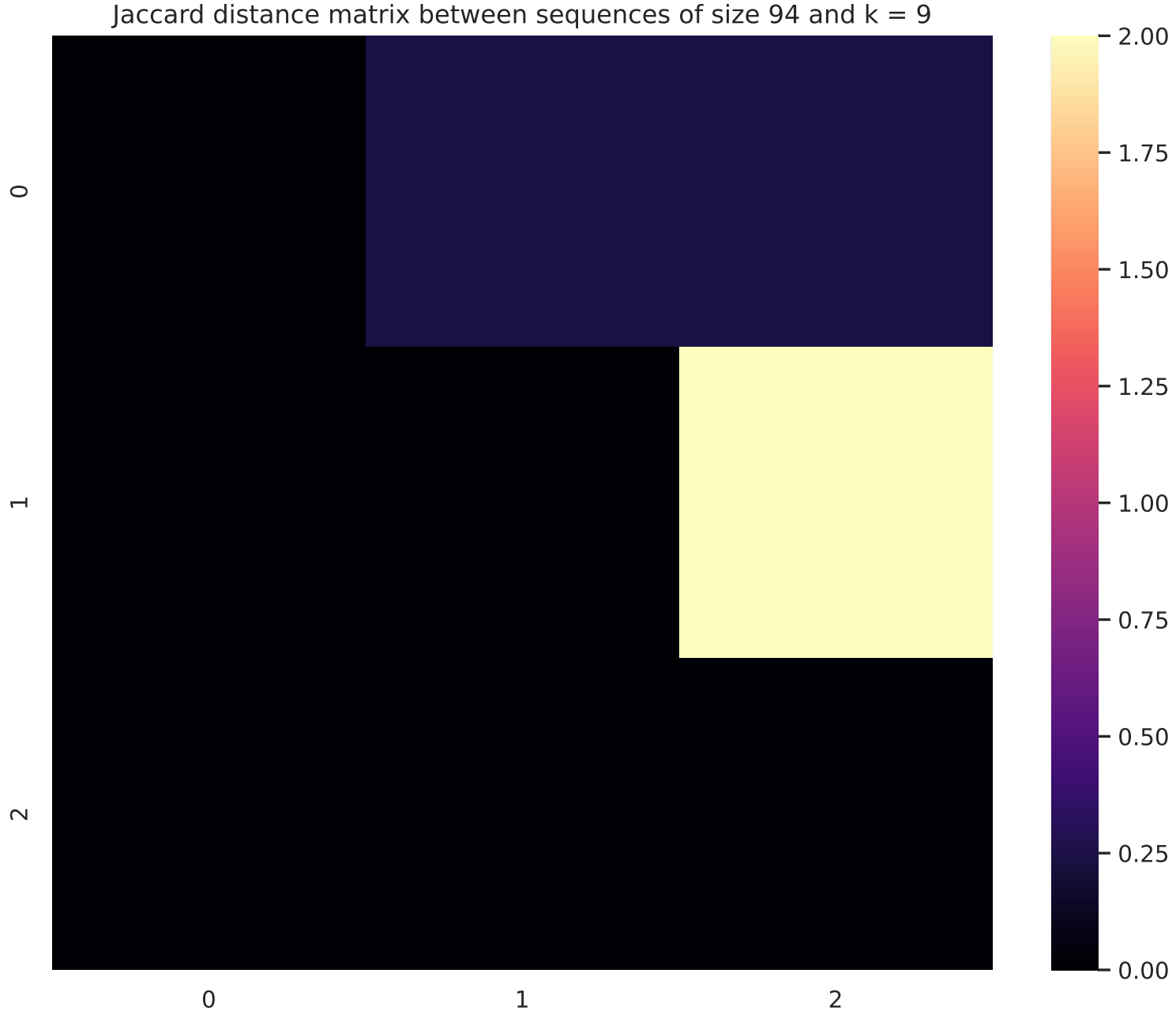

Jaccard distance matrix between sequences of size 118 and k = 9
0
1
0
1
0.100
0.075
0.050
0.025
0.000
−0.025
−0.050
−0.075
−0.100

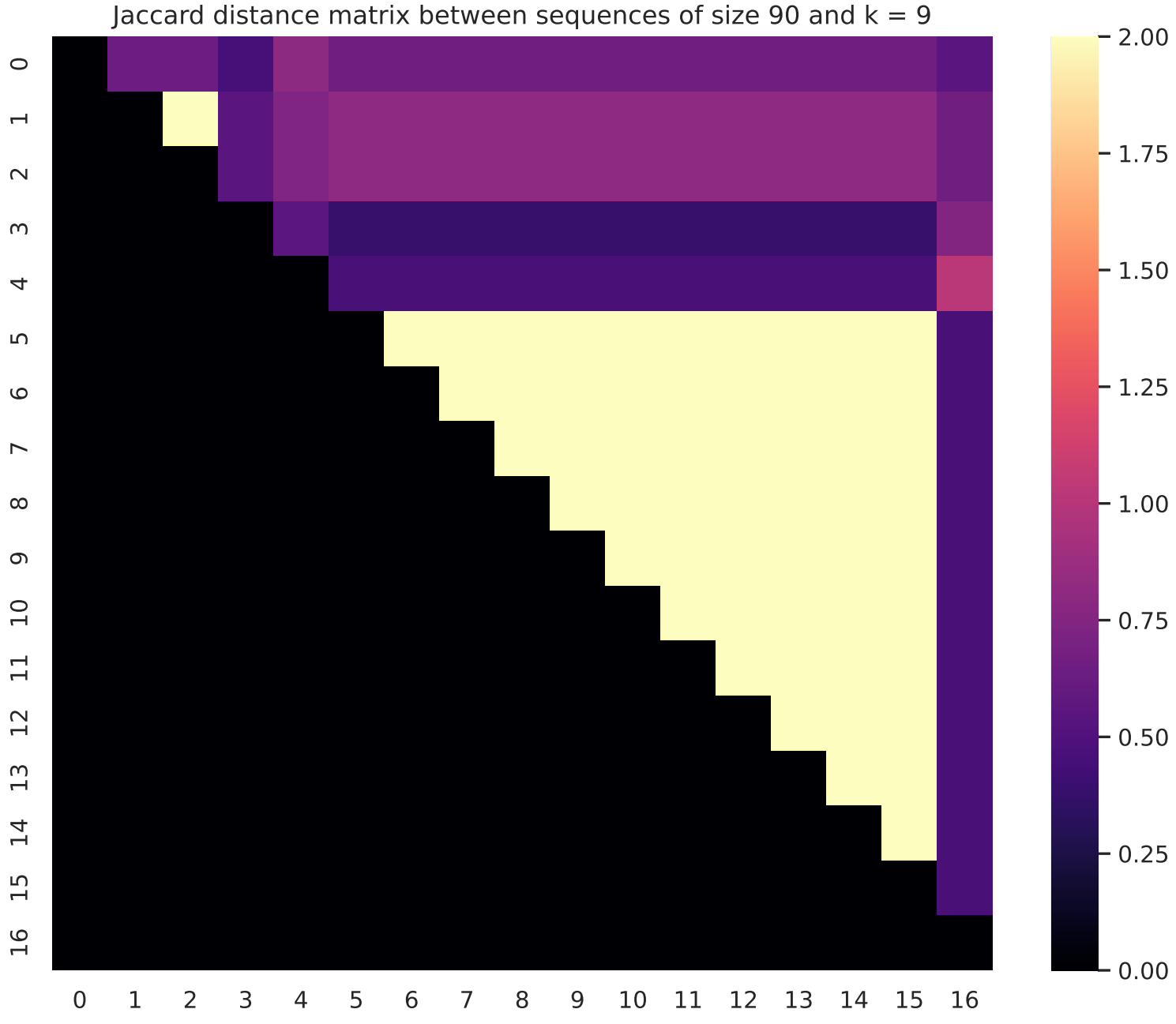

Jaccard distance matrix between sequences of size 106 and k = 9
0
1
2
3
4
0
1
2
3
4
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00

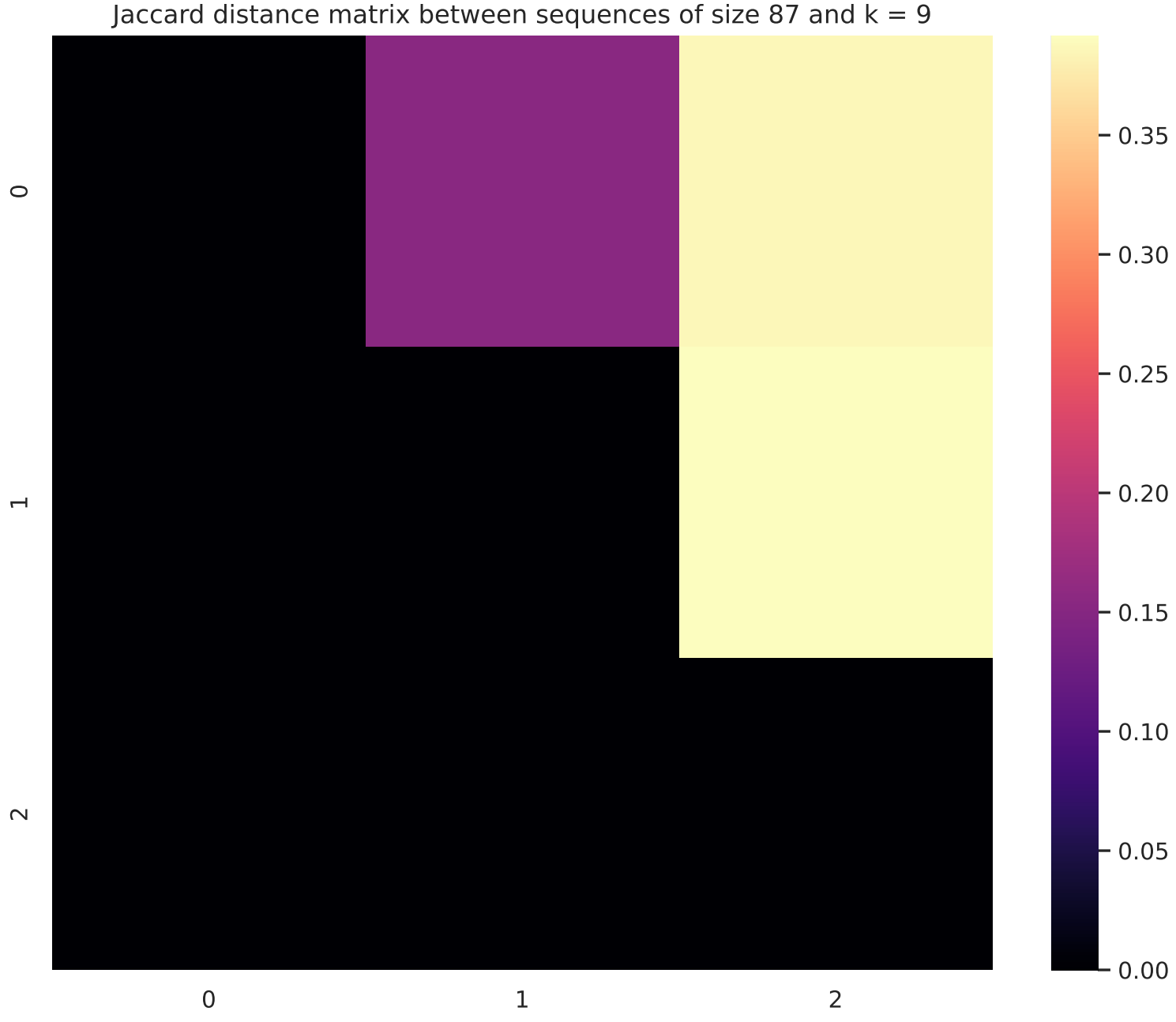

Jaccard distance matrix between sequences of size 98 and k = 9
0
0
0.100
0.075
0.050
0.025
0.000
−0.025
−0.050
−0.075
−0.100

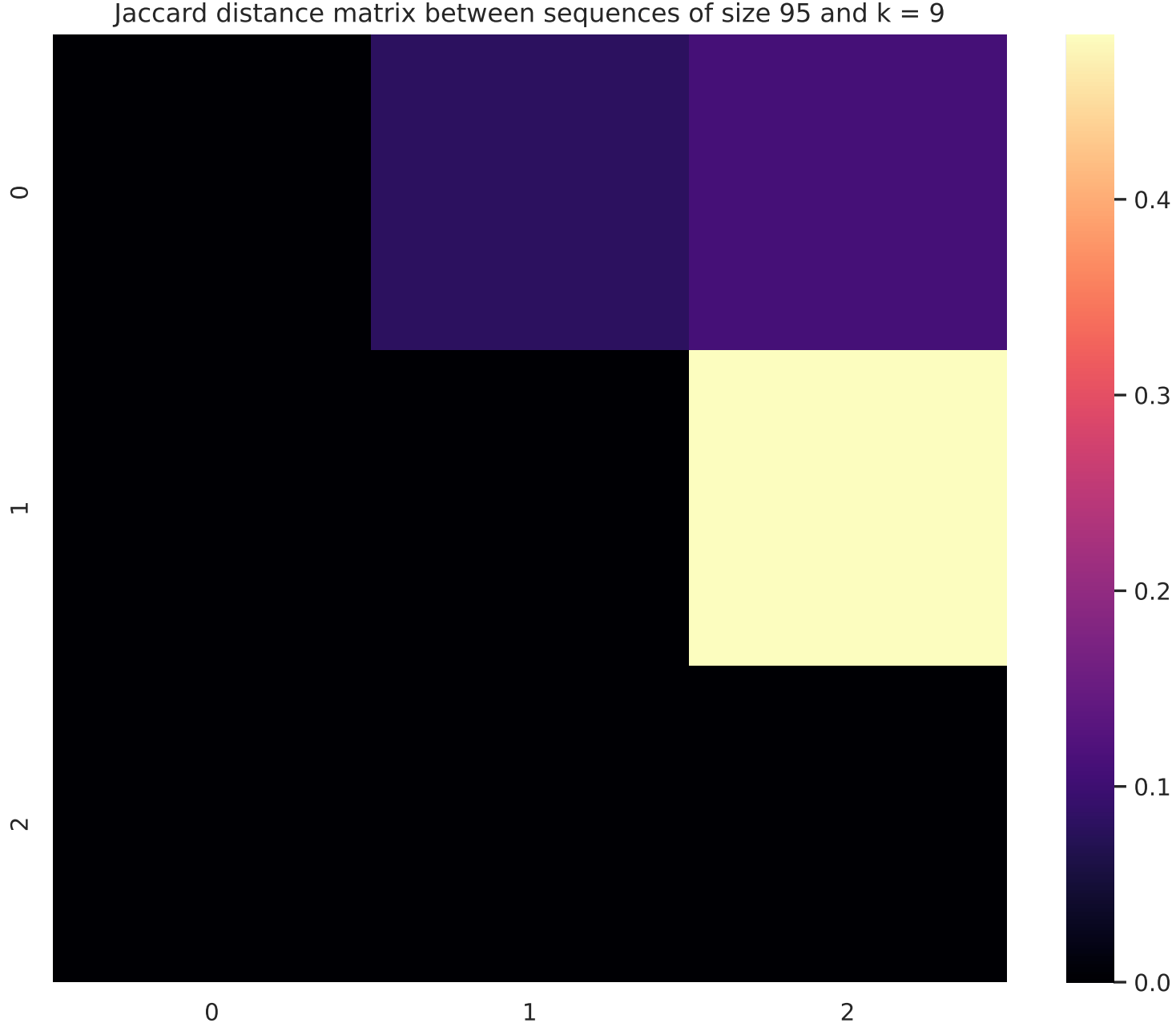

Jaccard distance matrix between sequences of size 93 and k = 9
0
1
2
3
4
0
1
2
3
4
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0

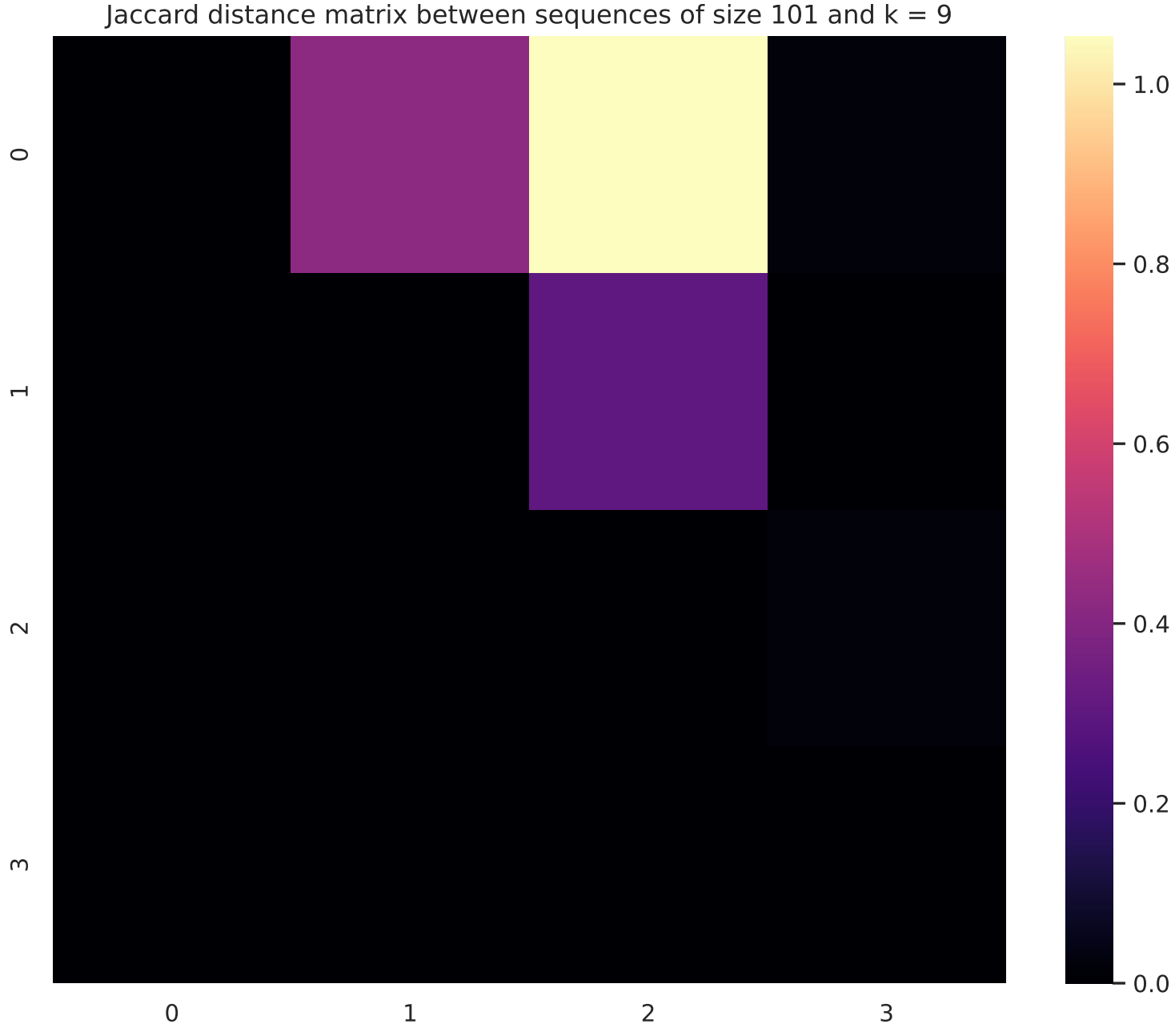

Jaccard distance matrix between sequences of size 116 and k = 9
0
1
2
0
1
2
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00

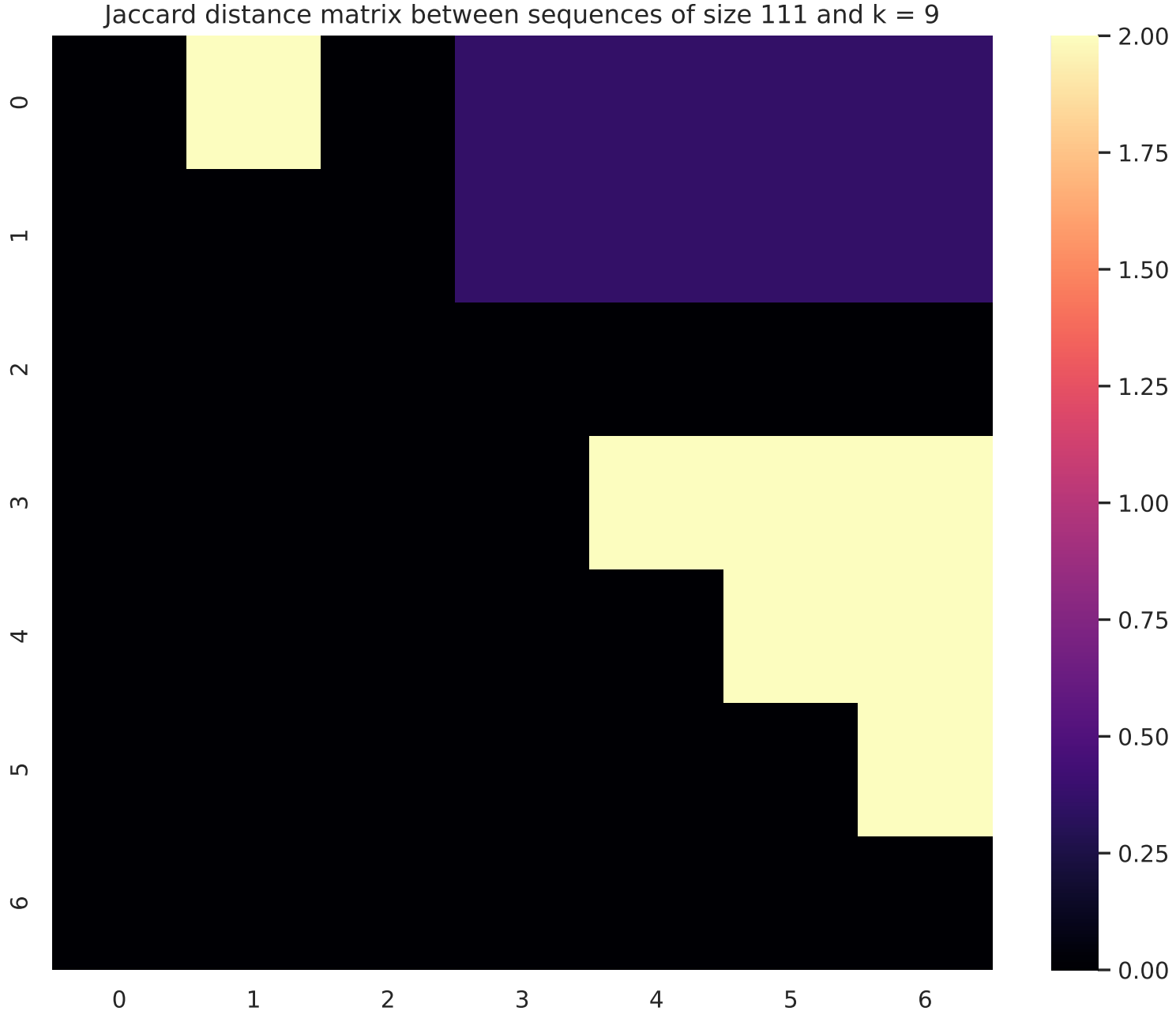

Jaccard distance matrix between sequences of size 94 and k = 9
0
1
2
0
1
2
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00

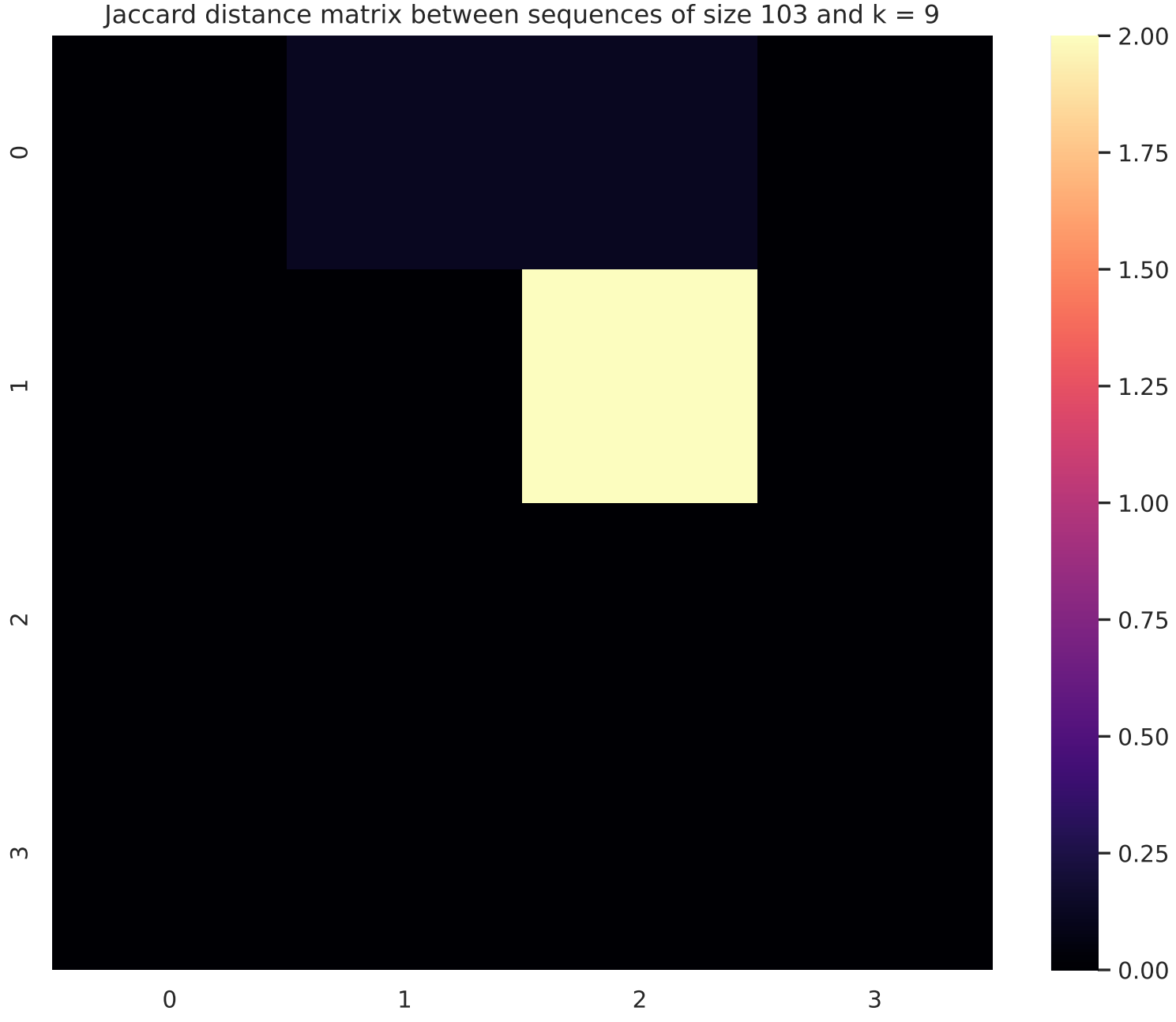

Jaccard distance matrix between sequences of size 90 and k = 9
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00

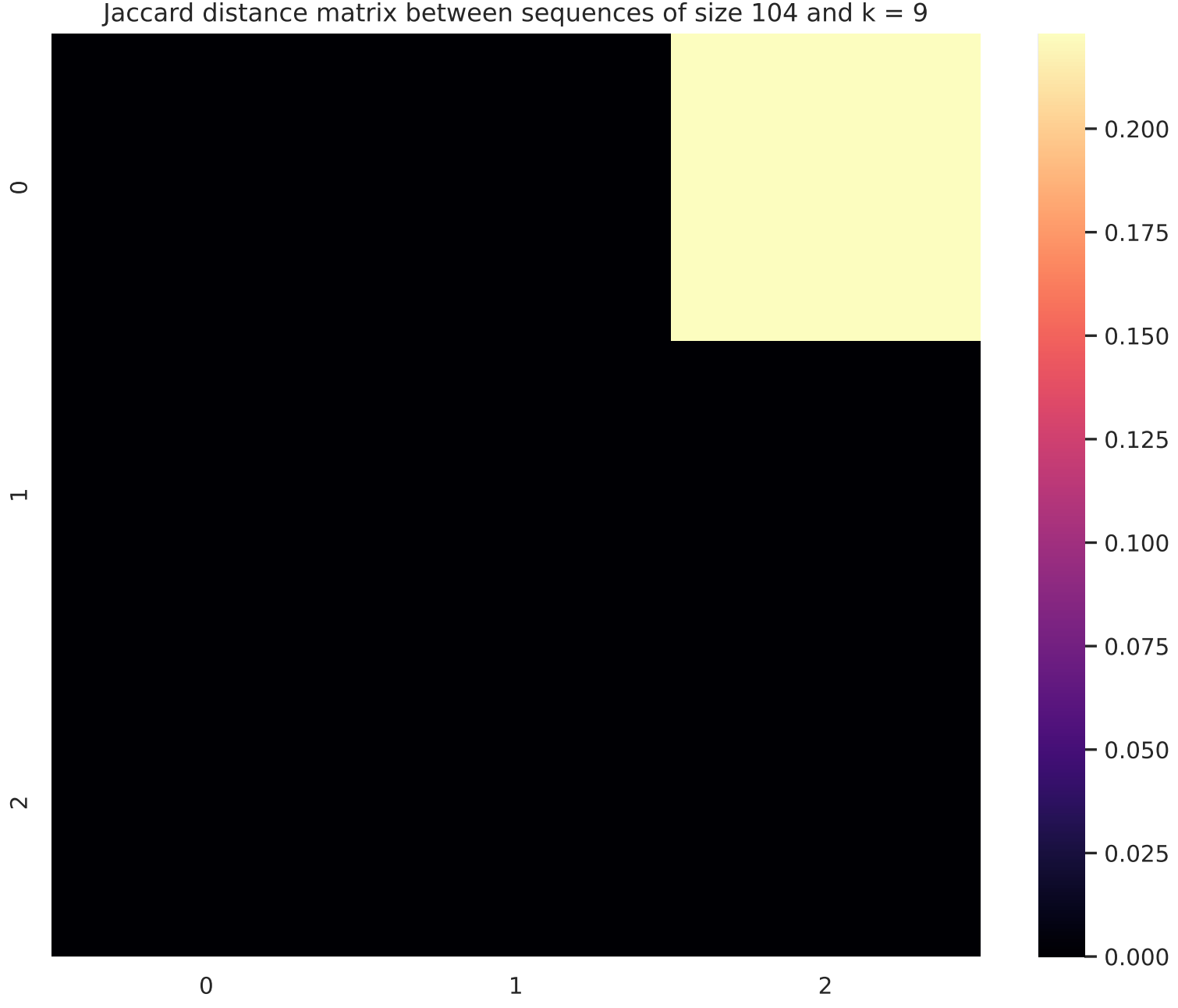

Jaccard distance matrix between sequences of size 87 and k = 9
0
1
2
0
1
2
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00

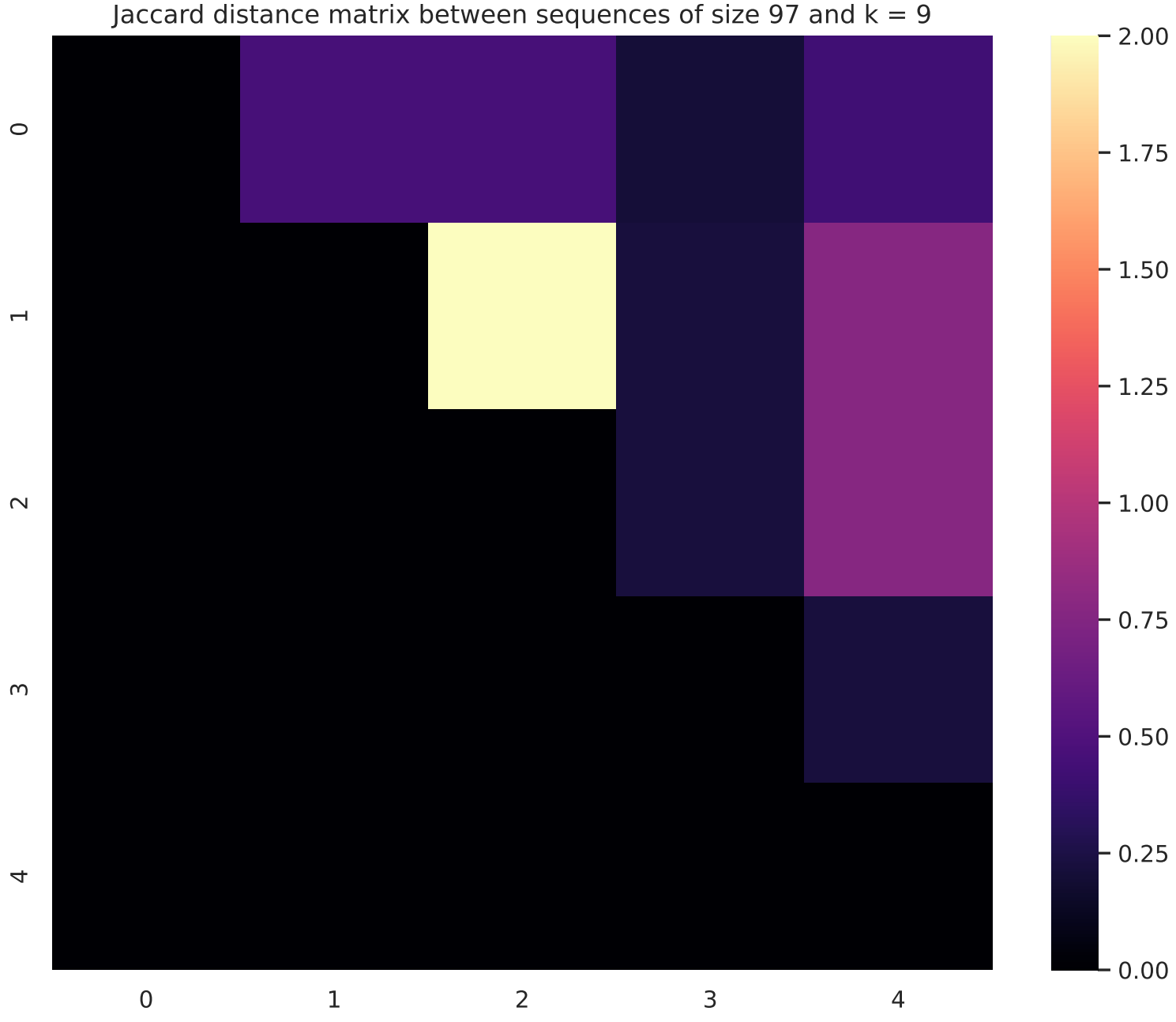

Jaccard distance matrix between sequences of size 95 and k = 9
0
1
2
0
1
2
0.4
0.3
0.2
0.1
0.0

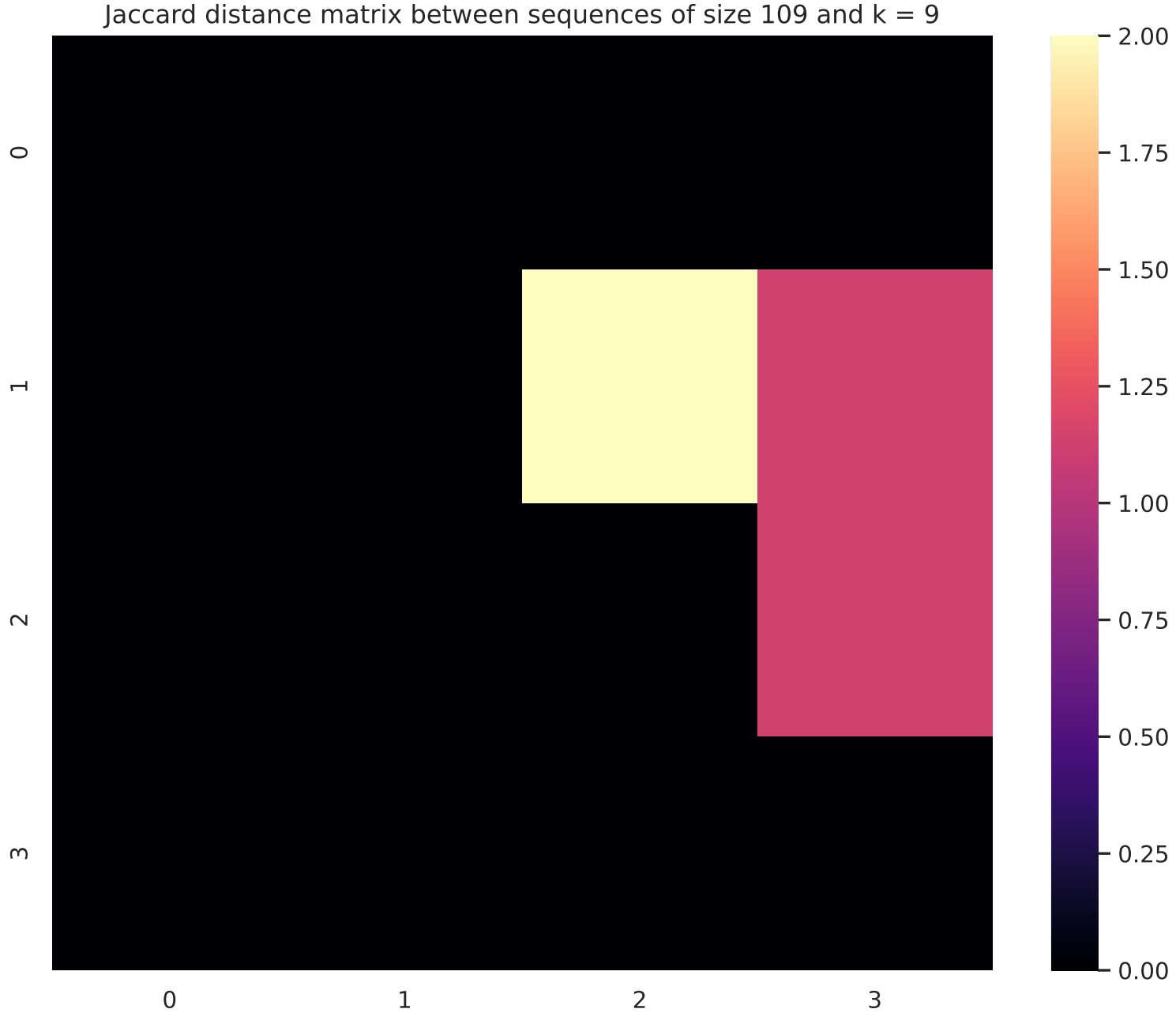

Jaccard distance matrix between sequences of size 101 and k = 9
0
1
2
3
0
1
2
3
1.0
0.8
0.6
0.4
0.2
0.0

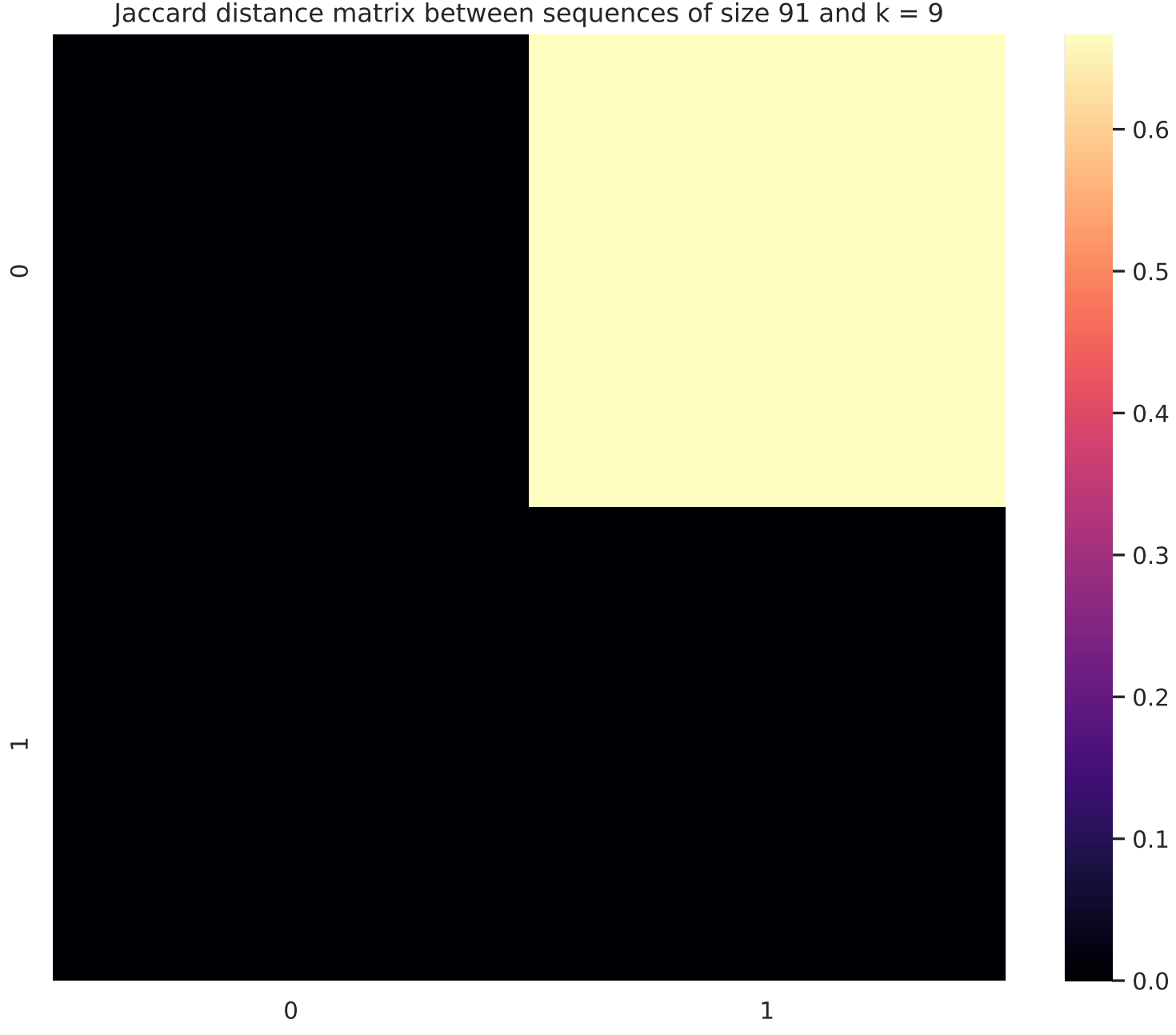

Jaccard distance matrix between sequences of size 111 and k = 9
0
1
2
3
4
5
6
0
1
2
3
4
5
6
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00

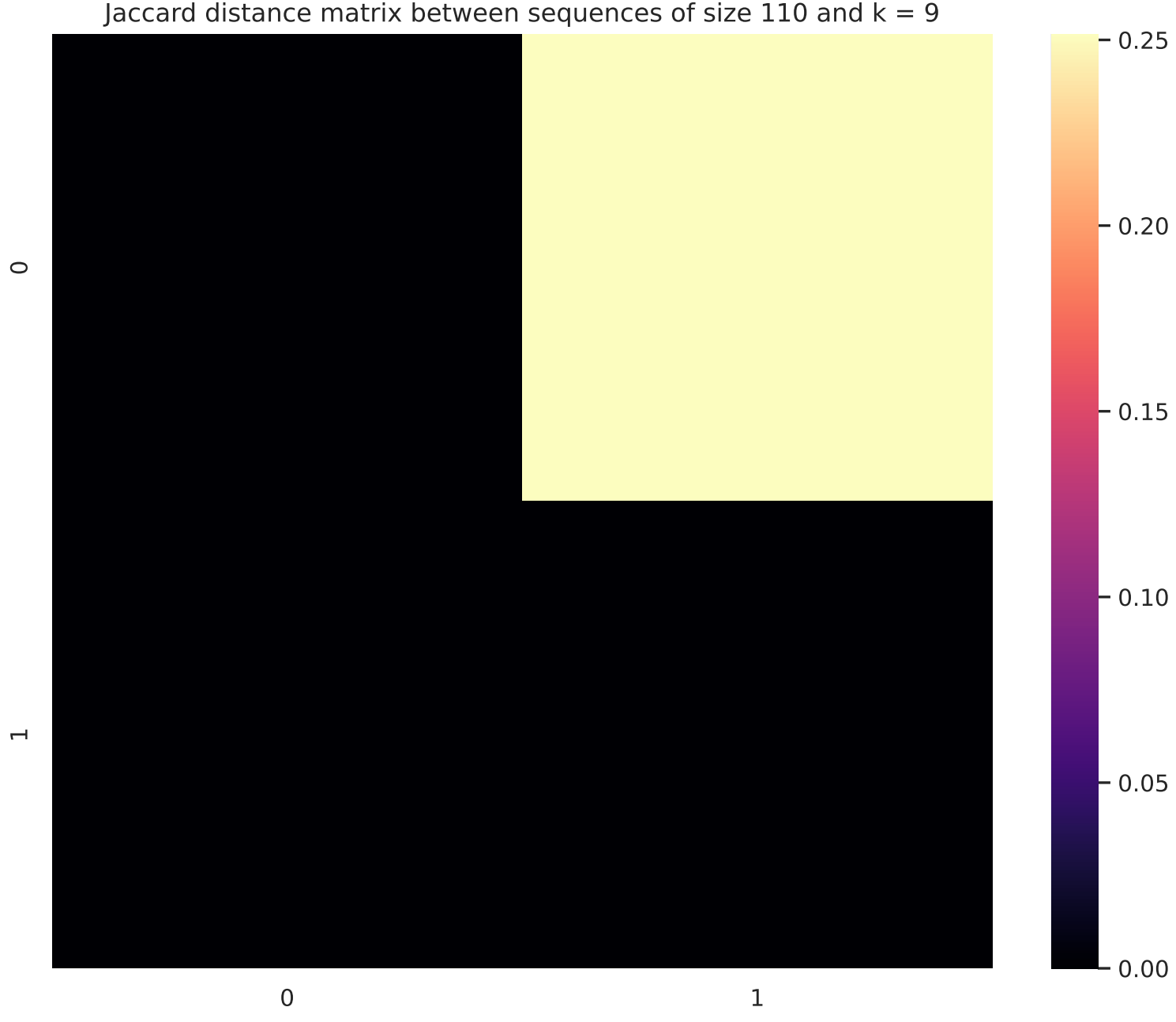

Jaccard distance matrix between sequences of size 103 and k = 9
0
1
2
3
0
1
2
3
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00

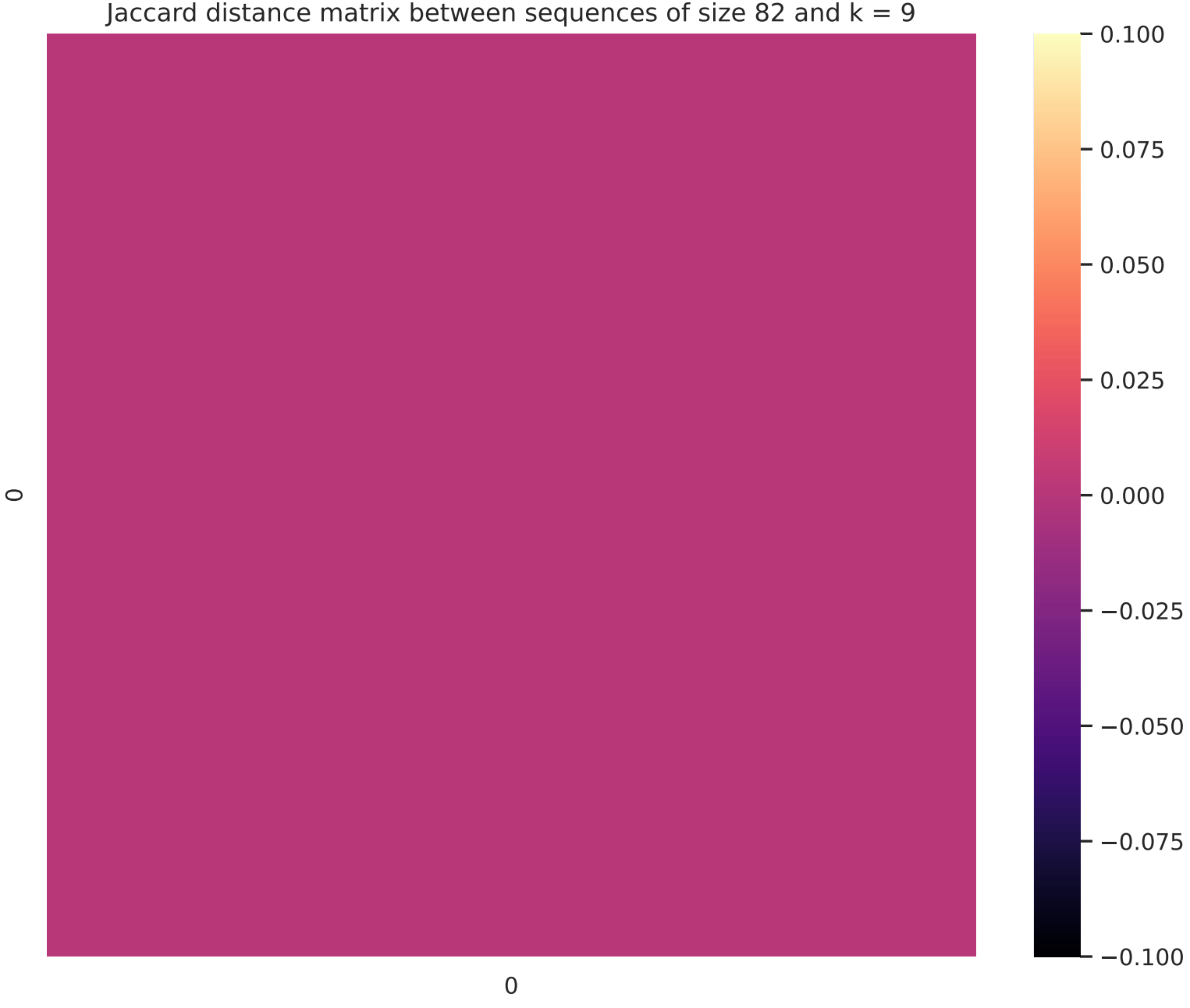

Jaccard distance matrix between sequences of size 104 and k = 9
0
1
2
0
1
2
0.200
0.175
0.150
0.125
0.100
0.075
0.050
0.025
0.000

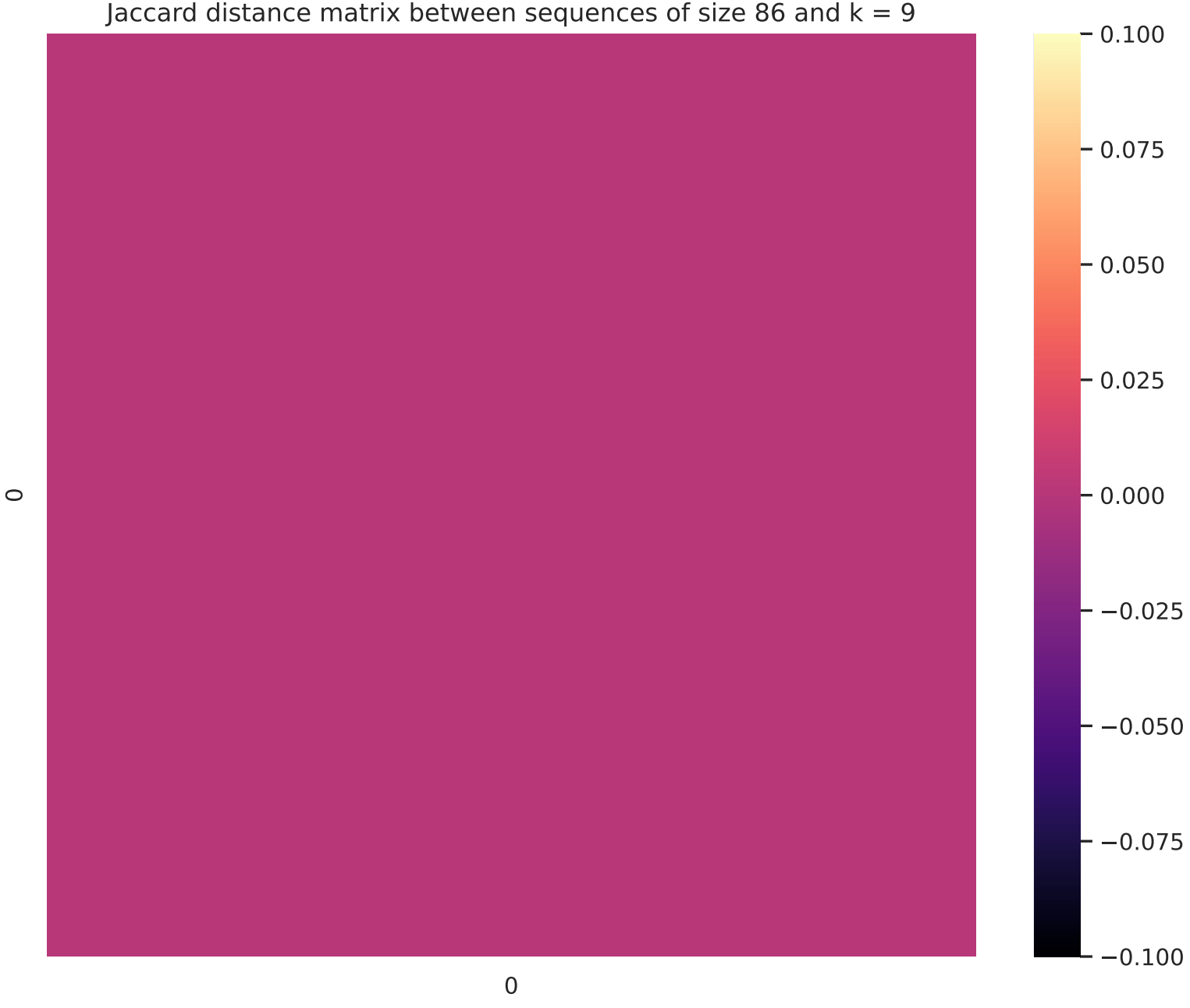

Jaccard distance matrix between sequences of size 97 and k = 9
0
1
2
3
4
0
1
2
3
4
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00

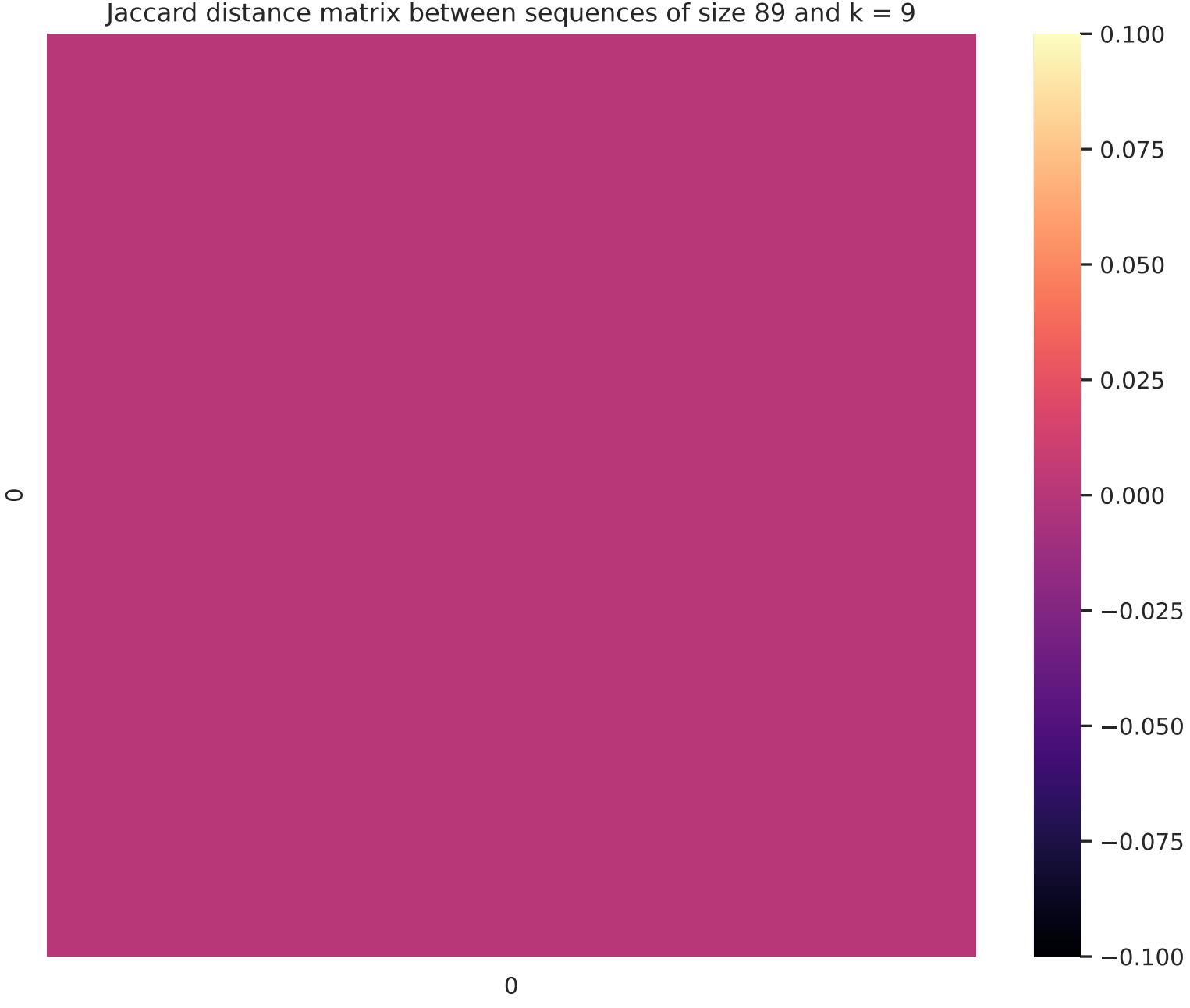

Jaccard distance matrix between sequences of size 109 and k = 9
0
1
2
3
0
1
2
3
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00

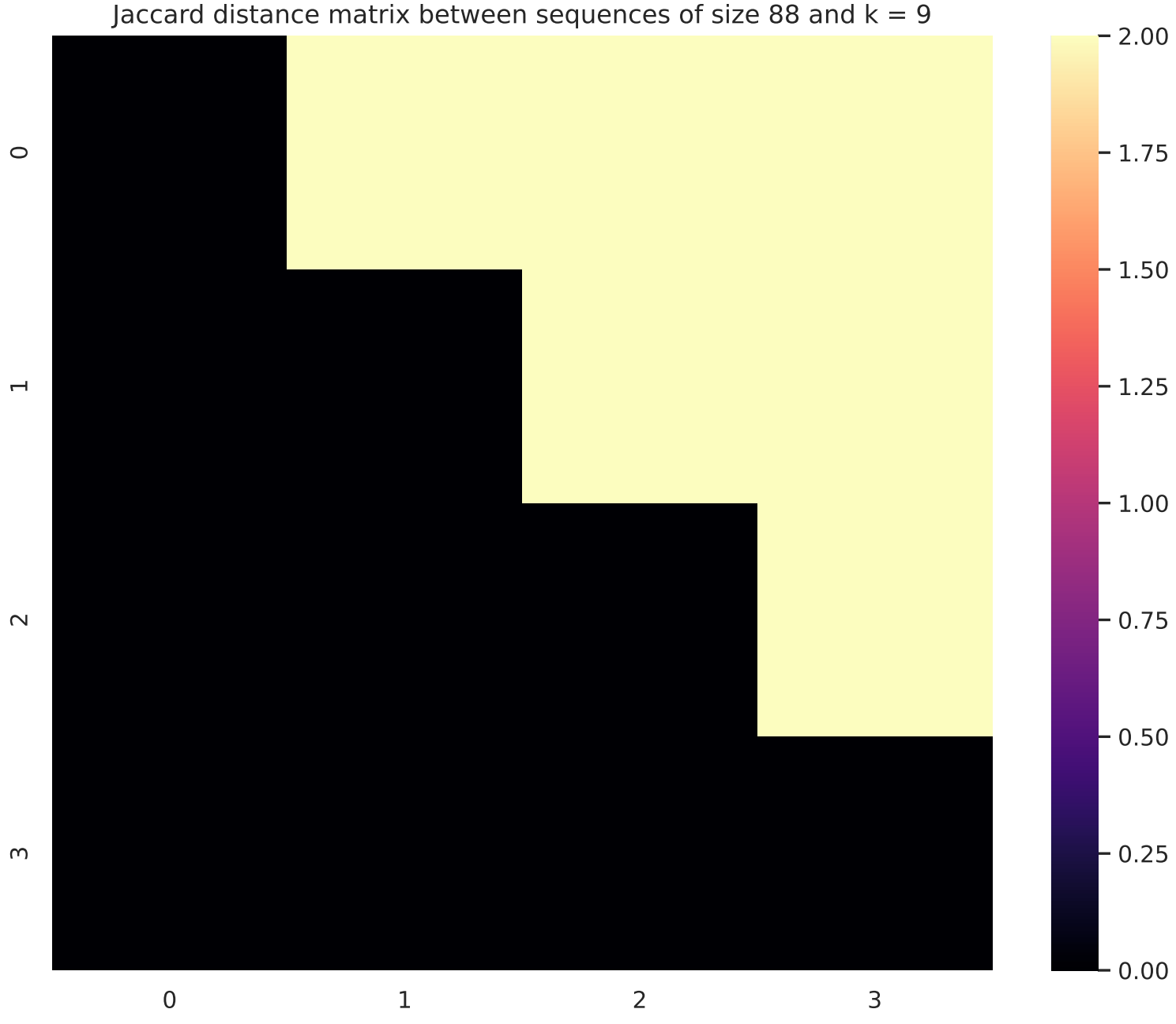

Jaccard distance matrix between sequences of size 91 and k = 9
0
1
0
1
0.6
0.5
0.4
0.3
0.2
0.1
0.0


Jaccard distance matrix between sequences of size 110 and k = 9
0
1
0
1
0.25
0.20
0.15
0.10
0.05
0.00


Jaccard distance matrix between sequences of size 82 and k = 9
0
0
0.100
0.075
0.050
0.025
0.000
−0.025
−0.050
−0.075
−0.100


Jaccard distance matrix between sequences of size 86 and k = 9
0
0
0.100
0.075
0.050
0.025
0.000
−0.025
−0.050
−0.075
−0.100


Jaccard distance matrix between sequences of size 89 and k = 9
0
0
0.100
0.075
0.050
0.025
0.000
−0.025
−0.050
−0.075
−0.100


Jaccard distance matrix between sequences of size 88 and k = 9
0
1
2
3
0
1
2
3
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00