

Script File

**.\Global analysis peptides\Scripts\script file
Capeakbrini4bSRPMfitmodsuppsi5.txt**

[task]

task = fit
data = progress

[mechanism]

A + B <====> AB : k01 kr01
Cas + AB ----> Cai + B : k1
Cae + C + Cai ----> Cai + Cai + C: k2
Cai + P <====> CaiP : k3 k3r
CaiP ----> Cae + P : k4
Cai + CaM + Cai <====> CaiCaMh : k5 k5r
CaiCaMh + Cai + Cai <==> CaiCaM : k25 k25r
P + CaiCaM <====> PCaiCaM : k6 k6r
PCaiCaM + Cai <====> PCaiCaMCai : k7 k7r
PCaiCaMCai ----> PCaiCaM + Cae : k8
PCaiCaM <==> PCaM + Cai + Cai + Cai + Cai : k9 k9r
PCaM ----> P + CaM : k10

Cai + S <====> CaiS : k07 k07r
CaiS <====> Cas + S : k08 k08r

[constants]

k01 = 10?
kr01 = 15?
k1 = .005?
k2 = 1.4?
k3 = 10
k3r = 50
k4 = 5.5
k5 = 9?
k5r = 2?
k25 = 70?
k25r = 2?
k6 = .2
k6r = 0.0008
k7 = 50
k7r = 10
k8 = 30
k9 = 10
k9r = .0005?
k10 = .033

k07 = 140
k07r = 20
k08 = 70
k08r = .2?

[concentrations]

```
A = 10
B = .2?
C = 1?
Cae = 10000?
```

```
CaiP = 0
CaM = 2?
CaiCaM = 0
PCaiCaM = 0
PCaiCaMCai = 0
S = 0.003?
CaiS = 0
Cas = 2000?
```

```
[responses]
```

```
Cae = 0
Cai = 1
B = 0
CaB = 0
P = 0
CaiP = 0
CaM = 0
CaiCaM = 0
PCaiCaM = 0
PCaiCaMCai = 0
```

```
[progress]
```

```
directory ./global analysis peptides/
```

```
file controldatabrini.txt
concentration P = 0.03?
concentration Cai = 0.001?
```

```
file 4bdatabrini.txt
concentration P = 0.3?
concentration Cai = 0.1?
```

```
[output]
```

```
directory ./global/brini4b
[settings]
<constrains>
ConcError = 20.0
```

```
[end]
```

Script File

.**Global analysis peptides**\Scripts\script file
Capeakbrini4aSRPMfitv2.txt

[task]

task = fit
data = progress

[mechanism]

A + B <====> AB : k01 kr01
Cas + AB ----> Cai + B : k1
Cae + C + Cai ----> Cai + Cai + C: k2
Cai + P <====> CaiP : k3 k3r
CaiP ----> Cae + P : k4
Cai + CaM + Cai <====> CaiCaMh : k5 k5r
CaiCaMh + Cai + Cai <====> CaiCaM : k25 k25r
P + CaiCaM <====> PCaiCaM : k6 k6r
PCaiCaM + Cai <====> PCaiCaMCai : k7 k7r
PCaiCaMCai ----> PCaiCaM + Cae : k8
PCaiCaM <====> PCaM + Cai + Cai + Cai + Cai : k9 k9r
PCaM ----> P + CaM : k10

Cai + S <====> CaiS : k07 k07r
CaiS <====> Cas + S : k08 k08r

[constants]

k01 = 9.3
kr01 = 17
k1 = .0047
k2 = .6615
k3 = 10
k3r = 50
k4 = 12
k5 = 2.669
k5r = 2.682
k25 = 170
k25r = 1.5
k6 = .8
k6r = 0.02
k7 = 50
k7r = 10
k8 = 30
k9 = 10?
k9r = .05?
k10 = .06

k07 = 140
k07r = 20
k08 = 70
k08r = .266?

[concentrations]

```
A = 10
B = .2?
C = 1?
Cae = 10000?
```

```
CaiP = 0
CaM = 2
CaiCaM = 0
PCaiCaM = 0
PCaICaMCai = 0
S = 0.003?
CaiS = 0
Cas = 2000?
```

```
[responses]
```

```
  Cae = 0
  Cai = 1
  B = 0
  CaB = 0
  P = 0
  CaiP = 0
  CaM = 0
  CaiCaM = 0
  PCaiCaM = 0
  PCaICaMCai = 0
```

```
[progress]
```

```
directory ../global analysis peptides/
```

```
file 4adatabrini.txt
concentration P = 0.3?
concentration Cai = 0.1?
```

```
[output]
```

```
directory ../global/brini4a2
[settings]
<constrains>
ConcError = 20.0
```

```
[end]
```

3.258	0.3762
3.328	0.3762
3.397	0.4435
3.466	0.4435
3.536	0.4771
3.605	0.4771
3.675	0.4771
3.744	0.4856
3.814	0.4856
3.883	0.5276
3.953	0.5276
4.000	0.5968
4.022	0.5276
4.091	0.6537
4.161	0.6537
4.230	0.6537
4.300	0.7462
4.369	0.7462
4.439	0.7547
4.508	0.7547
4.578	0.7547
4.647	0.7547
4.716	0.7547
4.786	0.8388
4.855	0.8388
4.925	0.8388
4.933	0.9274
4.994	0.9901
5.064	0.9901
5.133	0.9901
5.202	1.0410
5.272	1.0410
5.341	1.0660
5.411	1.0660
5.480	1.0660
5.550	1.1080
5.619	1.1080
5.667	1.1850
5.689	1.2420
5.758	1.2420
5.800	1.3390
5.827	1.2420
5.897	1.4110
5.966	1.4110
6.036	1.4110
6.105	1.4530
6.175	1.4530
6.244	1.4610
6.267	1.6690
6.314	1.4610
6.383	1.4610
6.400	1.6050
6.452	1.5450
6.522	1.5450
6.591	1.5450
6.661	1.7220
6.730	1.7220
6.800	1.8230
6.869	1.8230
6.939	1.8230

7.008	1.8480
7.077	1.8480
7.147	1.8820
7.216	1.8820
7.286	1.8820
7.355	1.9820
7.400	2.0650
7.425	1.9820
7.494	1.9820
7.563	2.5540
7.563	2.1420
7.633	2.5540
7.633	2.1420
7.702	2.1930
7.772	2.1930
7.800	2.3790
7.800	2.2900
7.841	2.1930
7.867	2.4600
7.911	2.1930
7.933	2.5080
7.980	2.1930
8.050	2.2180
8.067	2.5560
8.119	2.2180
8.188	2.2180
8.258	2.6130
8.258	2.2940
8.327	2.6130
8.397	2.6130
8.466	2.7060
8.536	2.7060
8.605	2.6970
8.675	2.6970
8.744	2.6970
8.813	2.7140
8.883	2.7140
8.952	2.7650
9.022	2.7650
9.091	2.7650
9.161	2.8400
9.230	2.8400
9.300	2.8400
9.369	2.8570
9.438	2.8570
9.508	2.8650
9.577	2.8650
9.647	2.8650
9.716	2.8820
9.786	2.8820
9.855	2.8820
9.924	2.9160
9.994	2.9160
10.060	2.9580
10.130	2.9580
10.200	2.9580
10.270	2.9660
10.340	2.9660
10.410	2.9750
10.480	2.9750

10.550	2.9750
10.620	2.9920
10.690	2.9920
10.760	2.9920
10.830	3.0340
10.900	3.0340
10.970	3.0590
11.040	3.0590
11.110	3.0590
11.170	3.0590
11.240	3.0590
11.310	3.0670
11.380	3.0670
11.450	3.0670
11.520	3.0760
11.590	3.0760
11.660	3.0760
11.730	3.1180
11.800	3.1180
11.870	3.1260
11.940	3.1260
12.010	3.1260
12.080	3.1260
12.150	3.1260
12.220	3.1260
12.290	3.1260
12.350	3.1260
12.420	3.1510
12.490	3.1510
12.560	3.1510
12.630	3.1600
12.700	3.1600
12.770	3.1680
12.840	3.1680
12.910	3.1680
12.980	3.1680
13.050	3.1680
13.120	3.1680
13.190	3.1680
13.260	3.1680
13.330	3.1680
13.400	3.1680
13.470	3.1680
13.540	3.1680
13.600	3.1680
13.670	3.1680
13.740	3.1680
13.810	3.1680
13.880	3.1680
13.950	3.1680
14.020	3.1680
14.090	3.1600
14.160	3.1600
14.230	3.1350
14.300	3.1350
14.370	3.1350
14.440	3.1260
14.510	3.1260
14.580	3.1260
14.650	3.1260

14.720	3.1260
14.790	3.1260
14.850	3.1260
14.920	3.1260
14.990	3.1010
15.060	3.1010
15.130	3.0840
15.200	3.0840
15.270	3.0840
15.340	3.0670
15.410	3.0670
15.480	3.0670
15.550	3.0670
15.620	3.0670
15.690	3.0590
15.760	3.0590
15.830	3.0590
15.900	3.0340
15.970	3.0340
16.040	3.0170
16.100	3.0170
16.170	3.0170
16.240	3.0080
16.310	3.0080
16.380	3.0080
16.450	3.0080
16.520	3.0080
16.590	2.9750
16.660	2.9750
16.730	2.9750
16.800	2.9500
16.870	2.9500
16.940	2.9500
17.010	2.9500
17.080	2.9500
17.150	2.9410
17.220	2.9410
17.290	2.9410
17.350	2.9330
17.420	2.9330
17.490	2.8990
17.560	2.8990
17.630	2.8990
17.700	2.8820
17.770	2.8820
17.840	2.8820
17.910	2.8820
17.980	2.8820
18.050	2.8740
18.120	2.8740
18.190	2.8740
18.260	2.8650
18.330	2.8650
18.400	2.8320
18.470	2.8320
18.540	2.8320
18.600	2.8150
18.670	2.8150
18.740	2.8150
18.810	2.8150

18.880	2.8150
18.950	2.8070
19.020	2.8070
19.090	2.8070
19.160	2.7810
19.230	2.7810
19.300	2.7560
19.370	2.7560
19.440	2.7560
19.510	2.7480
19.580	2.7480
19.650	2.7480
19.720	2.7390
19.790	2.7390
19.850	2.7310
19.920	2.7310
19.990	2.7310
20.060	2.7140
20.130	2.7140
20.200	2.6970
20.270	2.6970
20.340	2.6970
20.410	2.6970
20.480	2.6970
20.550	2.6970
20.620	2.6800
20.690	2.6800
20.760	2.6640
20.830	2.6640
20.900	2.6640
20.970	2.6470
21.040	2.6470
21.100	2.6380
21.170	2.6380
21.240	2.6380
21.310	2.6380
21.380	2.6380
21.450	2.6380
21.520	2.6300
21.590	2.6300
21.660	2.6050
21.730	2.6050
21.800	2.6050
21.870	2.5880
21.940	2.5880
22.010	2.5880
22.080	2.5880
22.150	2.5880
22.220	2.5880
22.290	2.5880
22.350	2.5880
22.420	2.5800
22.490	2.5800
22.560	2.5630
22.630	2.5630
22.700	2.5630
22.770	2.5460
22.840	2.5460
22.910	2.5460
22.980	2.5460

23.050	2.5460
23.120	2.5460
23.190	2.5460
23.260	2.5460
23.330	2.5290
23.400	2.5290
23.470	2.5040
23.540	2.5040
23.600	2.5040
23.670	2.4950
23.740	2.4950
23.810	2.4950
23.880	2.4950
23.950	2.4950
24.020	2.4870
24.090	2.4870
24.160	2.4870
24.230	2.4620
24.300	2.4620
24.370	2.4450
24.440	2.4450
24.510	2.4450
24.580	2.4450
24.650	2.4450
24.720	2.4450
24.780	2.4370
24.850	2.4370
24.920	2.4280
24.990	2.4280
25.060	2.4280
25.130	2.4110
25.200	2.4110
25.270	2.4030
25.340	2.4030
25.410	2.4030
25.480	2.4030
25.550	2.4030
25.620	2.4030
25.690	2.4030
25.760	2.4030
25.830	2.3860
25.900	2.3860
25.970	2.3860
26.030	2.3690
26.100	2.3690
26.170	2.3690
26.240	2.3610
26.310	2.3610
26.380	2.3610
26.450	2.3610
26.520	2.3610
26.590	2.3520
26.660	2.3520
26.730	2.3270
26.800	2.3270
26.870	2.3270
26.940	2.3270
27.010	2.3270
27.080	2.3270
27.150	2.3270

27.220	2.3270
27.280	2.3190
27.350	2.3190
27.420	2.3190
27.490	2.3020
27.560	2.3020
27.630	2.2940
27.700	2.2940
27.770	2.2940
27.840	2.2850
27.910	2.2850
27.980	2.2850
28.050	2.2850
28.120	2.2850
28.190	2.2770
28.260	2.2770
28.330	2.2770
28.400	2.2600
28.470	2.2600
28.530	2.2520
28.600	2.2520
28.670	2.2520
28.740	2.2520
28.810	2.2520
28.880	2.2520
28.950	2.2520
29.020	2.2520
29.090	2.2430
29.160	2.2430
29.230	2.2430
29.300	2.2260
29.370	2.2260
29.440	2.2260
29.510	2.2180
29.580	2.2180
29.650	2.2180
29.720	2.2180
29.780	2.2180
29.850	2.2100
29.920	2.2100
29.990	2.2010
30.060	2.2010
30.130	2.2010
30.200	2.1840
30.270	2.1840
30.340	2.1840
30.410	2.1840
30.480	2.1840
30.550	2.1840
30.620	2.1840
30.690	2.1840
30.760	2.1760
30.830	2.1760
30.900	2.1670
30.970	2.1670
31.030	2.1670
31.100	2.1590
31.170	2.1590
31.240	2.1590
31.310	2.1590

31.380	2.1590
31.450	2.1510
31.520	2.1510
31.590	2.1510
31.660	2.1420
31.730	2.1420
31.800	2.1420
31.870	2.1420
31.940	2.1420
32.010	2.1340
32.080	2.1340
32.150	2.1340
32.220	2.1340
32.280	2.1340
32.350	2.1340
32.420	2.1340
32.490	2.1340
32.560	2.1250
32.630	2.1250
32.700	2.1250
32.770	2.1170
32.840	2.1170
32.910	2.1170
32.980	2.1170
33.050	2.1170
33.120	2.1090
33.190	2.1090
33.260	2.1090
33.330	2.1090
33.400	2.1090
33.470	2.1000
33.530	2.1000
33.600	2.1000
33.670	2.0920
33.740	2.0920
33.810	2.0920
33.880	2.0920
33.950	2.0920
34.020	2.0830
34.090	2.0830
34.160	2.0670
34.230	2.0670
34.300	2.0670
34.370	2.0580
34.440	2.0580
34.510	2.0580
34.580	2.0500
34.650	2.0500
34.720	2.0500
34.780	2.0500
34.850	2.0500
34.920	2.0410
34.990	2.0410
35.060	2.0410
35.130	2.0240
35.200	2.0240
35.270	2.0160
35.340	2.0160
35.410	2.0160
35.480	2.0160

35.550	2.0160
35.620	2.0160
35.690	2.0160
35.760	2.0160
35.830	2.0160
35.900	2.0160
35.970	2.0160
36.030	2.0160
36.100	2.0160
36.170	2.0080
36.240	2.0080
36.310	2.0080
36.380	2.0080
36.450	2.0080
36.520	2.0080
36.590	2.0080
36.660	2.0080
36.730	1.9990
36.800	1.9990
36.870	1.9990
36.940	1.9820
37.010	1.9820
37.080	1.9820
37.150	1.9820
37.210	1.9820
37.280	1.9820
37.350	1.9820
37.420	1.9740
37.490	1.9740
37.560	1.9740
37.630	1.9570
37.700	1.9570
37.770	1.9570
37.840	1.9490
37.910	1.9490
37.980	1.9490
38.050	1.9490
38.120	1.9490
38.190	1.9400
38.260	1.9400
38.330	1.9400
38.400	1.9320
38.460	1.9320
38.530	1.9320
38.600	1.9320
38.670	1.9320
38.740	1.9320
38.810	1.9320
38.880	1.9320
38.950	1.9320
39.020	1.9320
39.090	1.9150
39.160	1.9150
39.230	1.9150
39.300	1.9150
39.370	1.9150
39.440	1.9070
39.510	1.9070
39.580	1.9070
39.650	1.9070

39.710	1.9070
39.780	1.8980
39.850	1.8980
39.920	1.8980
39.990	1.8980
40.060	1.8980
40.130	1.8980
40.200	1.8820
40.270	1.8820
40.340	1.8820
40.410	1.8820
40.480	1.8820
40.550	1.8820
40.620	1.8820
40.690	1.8820
40.760	1.8820
40.830	1.8820
40.900	1.8730
40.960	1.8730
41.030	1.8730
41.100	1.8650
41.170	1.8650
41.240	1.8560
41.310	1.8560
41.380	1.8560
41.450	1.8560
41.520	1.8560
41.590	1.8560
41.660	1.8560
41.730	1.8560
41.800	1.8390
41.870	1.8390
41.940	1.8390
42.010	1.8390
42.080	1.8390
42.150	1.8390
42.210	1.8390
42.280	1.8390
42.350	1.8310
42.420	1.8310
42.490	1.8310
42.560	1.8230
42.630	1.8230
42.700	1.8140
42.770	1.8140
42.840	1.8140
42.910	1.8140
42.980	1.8140
43.050	1.8140
43.120	1.8140
43.190	1.8140
43.260	1.8060
43.330	1.8060
43.400	1.8060
43.460	1.8060
43.530	1.8060
43.600	1.7970
43.670	1.7970
43.740	1.7970
43.810	1.7970

43.880	1.7970
43.950	1.7970
44.020	1.7970
44.090	1.7970
44.160	1.7970
44.230	1.7970
44.300	1.7970
44.370	1.7970
44.440	1.7970
44.510	1.7890
44.580	1.7890
44.650	1.7890
44.710	1.7890
44.780	1.7890
44.850	1.7890
44.920	1.7890
44.990	1.7890
45.060	1.7890
45.130	1.7890
45.200	1.7890
45.270	1.7810
45.340	1.7810
45.410	1.7810
45.480	1.7810
45.550	1.7810
45.620	1.7810
45.690	1.7810
45.760	1.7810
45.830	1.7720
45.900	1.7720
45.960	1.7720
46.030	1.7720
46.100	1.7720
46.170	1.7550
46.240	1.7550
46.310	1.7550
46.380	1.7550
46.450	1.7550
46.520	1.7550
46.590	1.7550
46.660	1.7550
46.730	1.7470
46.800	1.7470
46.870	1.7390
46.940	1.7390
47.010	1.7390
47.080	1.7390
47.150	1.7390
47.210	1.7390
47.280	1.7390
47.350	1.7390
47.420	1.7300
47.490	1.7300
47.560	1.7300
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3.258	0.3652
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3.536	0.4665
3.605	0.4665
3.675	0.4665
3.744	0.4749
3.814	0.4749
3.883	0.5172
3.953	0.5172
4.022	0.5172
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4.133	0.5822
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4.230	0.6438
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4.925	0.8296
4.933	0.9057
4.994	0.9816
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8.675	2.3160
8.744	2.3160
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10.760	2.3080
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10.900	2.2400
10.970	2.1810
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11.590	2.1300
11.660	2.1300
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11.800	2.0540
11.870	2.0290
11.940	2.0290
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12.080	2.0290
12.150	2.0290
12.220	2.0030
12.290	2.0030
12.350	2.0030
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13.050	1.8940
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13.600	1.7750
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14.990	1.5640
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15.200	1.5140
15.270	1.5140
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15.410	1.5050
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15.550	1.4970
15.620	1.4970
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15.970	1.4120
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18.120	1.2270
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19.090	1.1590
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19.300	1.1170
19.370	1.1170
19.440	1.1170
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19.650	1.1080
19.720	1.1000
19.790	1.1000
19.850	1.0830
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19.990	1.0830
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20.830	1.0070
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43.950	0.6185
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44.020	0.6185
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44.090	0.6185
44.090	0.5847
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44.990	0.6101
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45.960	0.5509
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46.030	0.5509
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46.450	0.5763
46.520	0.5763
46.590	0.5763
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46.730	0.5763
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49.990	0.5678
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50.760	0.5594
50.830	0.5594
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61.520	0.5341
61.590	0.5341
61.660	0.5341
61.730	0.5256
61.800	0.5256

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3.328	0.3638
3.397	0.3806
3.466	0.3806
3.536	0.4228
3.605	0.4228
3.675	0.4228
3.744	0.4396
3.814	0.4396
3.883	0.4733
3.953	0.4733
4.022	0.4733
4.091	0.5238
4.161	0.5238
4.230	0.5238
4.300	0.6418
4.369	0.6418
4.439	0.7344
4.508	0.7344
4.578	0.7344
4.647	0.7597
4.716	0.7597
4.786	0.8524
4.855	0.8524
4.925	0.8524
4.994	0.8860
5.064	0.8860
5.133	0.8860
5.202	0.9871
5.272	0.9871
5.341	1.0380
5.400	1.0970
5.411	1.0380
5.467	1.1210
5.480	1.0380
5.533	1.1290
5.550	1.1890
5.619	1.1890
5.689	1.2650
5.758	1.2650
5.827	1.2650
5.897	1.3320
5.966	1.3320
6.036	1.3320
6.105	1.4420
6.133	1.5160
6.175	1.4420
6.200	1.5400
6.244	1.4670
6.267	1.5650
6.267	1.5810
6.267	1.5970
6.314	1.4670
6.383	1.4670
6.452	1.6440
6.522	1.6440
6.591	1.6440
6.661	1.7030
6.730	1.7030
6.800	1.7450

6.869	1.7450
6.939	1.7450
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7.147	1.7870
7.216	1.7870
7.267	1.8230
7.267	1.8470
7.267	1.8710
7.286	1.7870
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7.425	1.9140
7.494	1.9140
7.563	1.9220
7.633	1.9220
7.702	1.9220
7.772	1.9220
7.841	1.9220
7.911	1.9220
7.980	1.9220
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8.119	1.9390
8.188	1.9390
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8.327	1.9730
8.397	1.9730
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8.536	1.9730
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8.675	1.9730
8.744	1.9730
8.813	1.9730
8.883	1.9730
8.952	1.9900
9.022	1.9900
9.091	1.9900
9.161	1.9980
9.230	1.9980
9.300	1.9980
9.369	2.0060
9.438	2.0060
9.508	2.0060
9.577	2.0060
9.647	2.0060
9.716	1.9900
9.786	1.9900
9.855	1.9900
9.924	1.9640
9.994	1.9640
10.060	1.9470
10.130	1.9470
10.200	1.9470
10.270	1.8800
10.340	1.8800
10.410	1.8720
10.480	1.8720
10.550	1.8720
10.620	1.8210
10.690	1.8210
10.760	1.8210

10.800	1.7500
10.930	1.7340
10.970	1.6610
11.040	1.6610
11.110	1.6610
11.170	1.6270
11.240	1.6270
11.310	1.6190
11.380	1.6190
11.450	1.6190
11.730	1.5080
11.870	1.4920
11.870	1.4170
11.940	1.4170
12.010	1.4170
12.080	1.4170
12.150	1.4170
12.220	1.3830
12.290	1.3830
12.350	1.3830
12.630	1.3070
12.700	1.3070
12.770	1.2990
12.840	1.2990
12.910	1.2990
12.980	1.2900
13.050	1.2900
13.120	1.2900
13.190	1.2650
13.260	1.2650
13.540	1.2150
13.600	1.2150
13.670	1.2060
13.740	1.2060
13.810	1.2060
13.880	1.1980
13.950	1.1980
14.020	1.1980
14.440	1.1130
14.510	1.1130
14.580	1.1050
14.650	1.1050
14.720	1.1050
14.790	1.0800
14.850	1.0800
14.920	1.0800
15.130	1.0120
15.200	1.0120
15.270	1.0120
15.340	0.9871
15.410	0.9871
15.480	0.9871
15.550	0.9871
15.620	0.9871
15.730	0.9274
16.040	0.8860
16.100	0.8860
16.170	0.8860
16.240	0.8776
16.310	0.8776

16.380	0.8776
16.450	0.8608
16.520	0.8608
16.590	0.8355
16.660	0.8355
16.730	0.8355
16.800	0.8355
16.870	0.8355
16.940	0.8355
17.010	0.8355
17.080	0.8355
17.150	0.8355
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17.770	0.8355
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17.910	0.8355
17.980	0.8355
18.050	0.8355
18.120	0.8355
18.190	0.8355
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18.330	0.8271
18.400	0.8187
18.470	0.8187
18.540	0.8187
18.600	0.8018
18.670	0.8018
18.740	0.7934
18.810	0.7934
18.880	0.7934
18.950	0.7765
19.020	0.7765
19.090	0.7765
19.300	0.7260
19.370	0.7260
19.440	0.7260
19.510	0.7176
19.580	0.7176
19.650	0.7176
19.720	0.7176
19.790	0.7176
19.850	0.6839
19.920	0.6839
19.990	0.6839
20.200	0.6670
20.270	0.6670
20.340	0.6670
20.410	0.6670
20.480	0.6670
20.550	0.6670
20.620	0.6670
20.690	0.6670
20.760	0.6755

20.830	0.6755
20.900	0.6755
20.970	0.6839
21.040	0.6839
21.100	0.6839
21.170	0.6839
21.240	0.6839
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21.870	0.6755
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22.010	0.6839
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22.980	0.6586
23.050	0.6586
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23.260	0.6502
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23.600	0.6333
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23.740	0.6333
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25.760	0.6249
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43.400	0.5660
43.460	0.5660
43.530	0.5660
43.600	0.5660
43.670	0.5660
43.740	0.5660
43.810	0.5660
43.880	0.5660
43.950	0.5744
44.020	0.5744
44.090	0.5744
44.160	0.5744
44.230	0.5744
44.300	0.5744
44.370	0.5828
44.440	0.5828
44.510	0.5828
44.580	0.5828
44.650	0.5828
44.710	0.5828
44.780	0.5828
44.850	0.5828
44.920	0.5912
44.920	0.5660
44.990	0.5912
44.990	0.5660
45.270	0.5491
45.340	0.5491
45.410	0.5323
45.480	0.5323
45.550	0.5323
45.620	0.5323
45.690	0.5323
45.760	0.5323
45.830	0.5323
45.900	0.5323
45.960	0.5407
46.030	0.5407
46.100	0.5407
46.170	0.6081
46.170	0.5491
46.240	0.6081
46.240	0.5491
46.310	0.5660
46.380	0.5660
46.450	0.5660
46.520	0.5660
46.590	0.5660
46.660	0.5660
46.730	0.5744

46.800	0.5744
46.870	0.5660
46.940	0.5660
47.010	0.5660
47.080	0.5744
47.150	0.5744
47.210	0.5744
47.280	0.5744
47.350	0.5744
47.420	0.5744
47.490	0.5744
47.560	0.5744
47.630	0.5744
47.700	0.5744
47.770	0.5744
47.840	0.5744
47.910	0.5744
47.980	0.5744
48.050	0.5744
48.120	0.5744
48.190	0.5744
48.260	0.5744
48.330	0.5744
48.400	0.5744
48.460	0.5744
48.530	0.5660
48.600	0.5660
48.670	0.5660
48.740	0.5660
48.810	0.5660
48.880	0.5660
48.950	0.5660
49.020	0.5660
49.090	0.5660
49.160	0.5660
49.230	0.5744
49.230	0.5491
49.300	0.5744
49.300	0.5491
49.370	0.5744
49.370	0.5491
49.440	0.5744
49.440	0.5491
49.510	0.5744
49.510	0.5491
49.580	0.5744
49.580	0.5238
49.640	0.5744
49.640	0.5238
49.710	0.5744
49.710	0.5238
49.780	0.5744
49.780	0.5238
49.850	0.5744
49.850	0.5238
49.920	0.5744
49.920	0.5238
49.990	0.5744
49.990	0.5238
50.060	0.5744

50.060	0.5238
50.130	0.5744
50.130	0.5407
50.200	0.5744
50.200	0.5407
50.270	0.5744
50.270	0.5407
50.340	0.5575
50.410	0.5575
50.480	0.5575
50.550	0.5575
50.620	0.5575
50.690	0.5575
50.760	0.5575
50.830	0.5575
50.890	0.5575
50.960	0.5575
51.030	0.5491
51.100	0.5491
51.170	0.5491
51.240	0.5575
51.310	0.5575
51.380	0.5575
51.450	0.5575
51.520	0.5575
51.590	0.5575
51.660	0.5575
51.730	0.5575
51.800	0.5575
51.870	0.5575
51.940	0.5660
52.010	0.5660
52.080	0.5660
52.140	0.5660
52.210	0.5660
52.280	0.5660
52.350	0.5660
52.420	0.5660
52.490	0.5660
52.560	0.5660
52.630	0.5660
52.700	0.5660
52.770	0.5660
52.840	0.5744
52.910	0.5744
52.980	0.5744
53.050	0.5744
53.120	0.5744
53.190	0.5744
53.260	0.5744
53.330	0.5744
53.390	0.5744
53.460	0.5744
53.530	0.5744
53.600	0.5828
53.670	0.5828
53.740	0.5744
53.810	0.5744
53.880	0.5744
53.950	0.5744

54.020	0.5744
54.090	0.5744
54.160	0.5744
54.230	0.5744
54.300	0.5744
54.370	0.5744
54.440	0.5744
54.510	0.5660
54.580	0.5660
54.640	0.5660
54.710	0.5660
54.780	0.5660
54.850	0.5660
54.920	0.5660
54.990	0.5660
55.060	0.5575
55.130	0.5575
55.200	0.5575
55.270	0.5575
55.340	0.5575
55.410	0.5575
55.480	0.5575
55.550	0.5575
55.620	0.5575
55.690	0.5575
55.760	0.5575
55.830	0.5575
55.890	0.5575
55.960	0.5575
56.030	0.5575
56.100	0.5575
56.170	0.5575
56.240	0.5575
56.310	0.5491
56.380	0.5491
56.450	0.5491
56.520	0.5491
56.590	0.5491
56.660	0.5491
56.730	0.5491
56.800	0.5491
56.870	0.5407
56.940	0.5407
57.010	0.5407
57.080	0.5407
57.140	0.5407
57.210	0.5407
57.280	0.5407
57.350	0.5407
57.420	0.5407
57.490	0.5407
57.560	0.5407
57.630	0.5407
57.700	0.5407
57.770	0.5491
57.840	0.5491
57.910	0.5491
57.980	0.5491
58.050	0.5491
58.120	0.5491

58.190	0.5491
58.260	0.5491
58.330	0.5491
58.390	0.5491
58.460	0.5491
58.530	0.5491
58.600	0.5491
58.670	0.5407
58.740	0.5407
58.810	0.5407
58.880	0.5407
58.950	0.5407
59.020	0.5407
59.090	0.5407
59.160	0.5407
59.230	0.5407
59.300	0.5407
59.370	0.5575
59.440	0.5575
59.510	0.5575
59.580	0.5575
59.580	0.5154
59.640	0.5575
59.640	0.5154
59.710	0.5575
59.710	0.5154
59.780	0.5660
59.780	0.5070
59.850	0.5660
59.850	0.5070
59.920	0.5660
59.920	0.5070
59.990	0.5660
59.990	0.5070
60.060	0.5660
60.060	0.5070
60.130	0.5575
60.130	0.5070
60.200	0.5575
60.200	0.5070
60.270	0.5491
60.270	0.5154
60.340	0.5491
60.340	0.5154
60.410	0.5491
60.410	0.5154
60.480	0.5323
60.550	0.5323
60.620	0.5323
60.690	0.5323
60.760	0.5323
60.830	0.5323
60.890	0.5323
60.960	0.5323
61.030	0.5407
61.100	0.5407
61.170	0.5407
61.240	0.5407
61.310	0.5407
61.380	0.5323

61.450	0.5323
61.520	0.5323
61.590	0.5323
61.660	0.5323
61.730	0.5323
61.800	0.5323