

ALPHABET= ACGT

>prsc1_001.1

log-odds matrix: al length= 4 w= 13 n= 937 bayes= 7.54226 E= 9.7e+009

-231	146	7	-231
-231	184	-231	-231
130	-231	-231	-6
-132	156	-132	-132
-231	7	-231	130
169	-231	-231	-231
-6	7	-231	77
-231	-231	146	-6
-231	184	-231	-231
-231	-231	-231	169
-231	184	-231	-231
169	-231	-231	-231
-231	184	-231	-231

ALPHABET= ACGT

>prsc1_001.2

log-odds matrix: al length= 4 w= 11 n= 947 bayes= 7.55766 E= 3.6e+010

-231	-231	184	-231
130	-231	7	-231
169	-231	-231	-231
77	7	-231	-6
-132	-132	-132	141
169	-231	-231	-231
169	-231	-231	-231
-6	-231	146	-231
-231	184	-231	-231
130	-231	-231	-6
169	-231	-231	-231

ALPHABET= ACGT

>prsc1_002.1

log-odds matrix: al length= 4 w= 30 n= 1416 bayes= 8.87958 E= 6.4e-001

-823	-823	-823	182
-823	219	-823	-823
-823	-823	-823	182
-823	161	-823	24
182	-823	-823	-823
-823	-823	-823	182
124	-823	-823	24
-823	219	-823	-823
-823	-823	-823	182
-823	-823	-823	182
-823	61	61	24
24	-823	161	-823
182	-823	-823	-823
-823	219	-823	-823
124	-823	-823	24
-823	61	-823	124
182	-823	-823	-823
-823	-823	-823	182
-823	219	-823	-823
182	-823	-823	-823
182	-823	-823	-823
-823	219	-823	-823
-823	-823	-823	182
-823	61	-823	124
182	-823	-823	-823
-823	-823	219	-823

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-823	-823	-823	182
182	-823	-823	-823
182	-823	-823	-823
-823	219	-823	-823

ALPHABET= ACGT

>prsc1_002. 2

log-odds matrix: alength= 4 w= 38 n= 1392 bayes= 8. 85487 E= 1. 8e+002

182	-823	-823	-823
-823	161	61	-823
-823	-823	-823	182
-823	-823	-823	182
-823	161	-823	24
-823	219	-823	-823
124	-823	-823	24
-823	61	161	-823
24	-823	161	-823
182	-823	-823	-823
182	-823	-823	-823
-823	61	161	-823
-823	-823	-823	182
124	-823	61	-823
-823	61	161	-823
124	-823	61	-823
182	-823	-823	-823
124	-823	-823	24
182	-823	-823	-823
-823	-823	219	-823
24	161	-823	-823
124	-823	-823	24
-823	-823	219	-823
182	-823	-823	-823
-823	-823	-823	182
-823	-823	-823	182
-823	-823	219	-823
124	-823	61	-823
-823	-823	-823	182
-823	61	-823	124
24	161	-823	-823
182	-823	-823	-823
-823	161	-823	24
-823	61	-823	124
-823	161	-823	24
-823	-823	-823	182
124	-823	61	-823
-823	-823	-823	182

ALPHABET= ACGT

>prsc1_002. 3

log-odds matrix: alength= 4 w= 17 n= 1455 bayes= 8. 91886 E= 2. 6e+005

-823	-823	-823	182
-823	219	-823	-823
-823	61	-823	124
-823	-823	61	124
-823	-823	161	24
-823	219	-823	-823
-823	219	-823	-823
124	-823	-823	24
-823	219	-823	-823
-823	61	-823	124
182	-823	-823	-823

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124	-823	-823	24
24	-823	161	-823
24	161	-823	-823
-823	61	-823	124
-823	219	-823	-823
182	-823	-823	-823

ALPHABET= ACGT

>prsc1_002. 4

log-odds matrix: alength= 4 w= 11 n= 1473 bayes= 8. 93664 E= 2. 7e+005

-823	-823	-823	182
-823	-823	-823	182
-823	61	161	-823
124	-823	-823	24
-823	-823	-823	182
182	-823	-823	-823
-823	-823	-823	182
124	61	-823	-823
-823	-823	-823	182
-823	-823	-823	182
-823	-823	219	-823

ALPHABET= ACGT

>prsc1_002. 5

log-odds matrix: alength= 4 w= 14 n= 1464 bayes= 8. 92778 E= 6. 7e+005

182	-823	-823	-823
24	-823	161	-823
-823	-823	219	-823
24	-823	61	24
182	-823	-823	-823
-823	-823	61	124
124	-823	61	-823
-823	-823	-823	182
24	-823	-823	124
-823	-823	-823	182
-823	-823	61	124
-823	-823	-823	182
-823	-823	219	-823
-823	-823	219	-823

ALPHABET= ACGT

>prsc1_002. 6

log-odds matrix: alength= 4 w= 11 n= 1473 bayes= 8. 93664 E= 4. 4e+006

-823	219	-823	-823
182	-823	-823	-823
124	-823	61	-823
124	61	-823	-823
124	-823	-823	24
124	-823	61	-823
-823	-823	61	124
-823	-823	-823	182
-823	219	-823	-823
-823	161	-823	24
-823	219	-823	-823

ALPHABET= ACGT

>prsc1_002. 8

log-odds matrix: alength= 4 w= 11 n= 1473 bayes= 8. 93664 E= 5. 5e+006

-823	219	-823	-823
------	-----	------	------

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-823	-823	-823	182
-823	-823	161	24
24	-823	-823	124
24	-823	-823	124
24	61	61	-823
24	-823	161	-823
124	-823	-823	24
182	-823	-823	-823
-823	219	-823	-823
-823	219	-823	-823

ALPHABET= ACGT

>prsc1_002. 9

log-odds matrix: alength= 4 w= 15 n= 1461 bayes= 8.92481 E= 4.3e+007

182	-823	-823	-823
60	-158	-158	60
24	161	-823	-823
-823	-823	-823	182
24	61	-823	24
182	-823	-823	-823
60	89	-158	-158
-823	61	-823	124
-823	-823	-823	182
-823	61	61	24
-823	219	-823	-823
24	-823	-823	124
-823	161	-823	24
124	61	-823	-823
-823	-823	-823	182

ALPHABET= ACGT

>prsc1_003. 10

log-odds matrix: alength= 4 w= 11 n= 1011 bayes= 8.97871 E= 4.5e+004

-765	-765	233	-765
73	-765	133	-765
172	-765	-765	-765
172	-765	-765	-765
-765	233	-765	-765
73	133	-765	-765
-765	-765	-765	172
-765	-765	-765	172
-765	-765	-765	172
-765	233	-765	-765
-765	-765	233	-765

ALPHABET= ACGT

>prsc1_003. 1

log-odds matrix: alength= 4 w= 12 n= 1009 bayes= 8.97585 E= 1.0e+003

-765	233	-765	-765
-765	233	-765	-765
172	-765	-765	-765
-765	-765	-765	172
-765	-765	233	-765
-765	233	-765	-765
172	-765	-765	-765
-765	-765	233	-765
-765	-765	233	-765
172	-765	-765	-765
-765	233	-765	-765
-765	233	-765	-765

ALPHABET= ACGT

>prsc1_003. 2

log-odds matrix: alength= 4 w= 40 n= 953 bayes= 8. 8933 E= 2. 0e+003

-765	-765	233	-765
-765	-765	-765	172
-765	-765	233	-765
-765	-765	233	-765
73	-765	133	-765
-765	133	133	-765
-765	233	-765	-765
172	-765	-765	-765
-765	233	-765	-765
-765	-765	-765	172
172	-765	-765	-765
73	-765	133	-765
-765	233	-765	-765
73	-765	-765	73
172	-765	-765	-765
-765	133	133	-765
-765	-765	-765	172
172	-765	-765	-765
-765	133	-765	73
172	-765	-765	-765
-765	133	-765	73
-765	-765	-765	172
-765	-765	-765	172
172	-765	-765	-765
172	-765	-765	-765
-765	233	-765	-765
172	-765	-765	-765
73	-765	133	-765
-765	-765	233	-765
-765	233	-765	-765
172	-765	-765	-765
-765	233	-765	-765
172	-765	-765	-765
-765	-765	-765	172
-765	-765	233	-765
-765	133	-765	73
-765	-765	233	-765
172	-765	-765	-765
-765	233	-765	-765
-765	-765	-765	172

ALPHABET= ACGT

>prsc1_003. 3

log-odds matrix: alength= 4 w= 11 n= 1011 bayes= 8. 97871 E= 7. 3e+003

-765	-765	233	-765
-765	-765	-765	172
-765	-765	-765	172
-765	-765	233	-765
-765	233	-765	-765
172	-765	-765	-765
-765	233	-765	-765
-765	133	-765	73
-765	233	-765	-765
172	-765	-765	-765
-765	233	-765	-765

ALPHABET= ACGT

>prsc1_003.5

log-odds matrix: alength= 4 w= 16 n= 1001 bayes= 8.96434 E= 1.4e+004

-765	233	-765	-765
-765	233	-765	-765
172	-765	-765	-765
-765	133	133	-765
-765	233	-765	-765
-765	-765	-765	172
172	-765	-765	-765
73	133	-765	-765
172	-765	-765	-765
-765	-765	233	-765
-765	233	-765	-765
172	-765	-765	-765
-765	-765	-765	172
73	-765	133	-765
172	-765	-765	-765
-765	-765	233	-765

ALPHABET= ACGT

>prsc1_003.9

log-odds matrix: alength= 4 w= 20 n= 993 bayes= 8.95274 E= 3.0e+004

172	-765	-765	-765
172	-765	-765	-765
-765	-765	-765	172
172	-765	-765	-765
172	-765	-765	-765
-765	-765	233	-765
-765	233	-765	-765
172	-765	-765	-765
73	133	-765	-765
172	-765	-765	-765
-765	-765	133	73
-765	233	-765	-765
-765	233	-765	-765
172	-765	-765	-765
73	-765	-765	73
-765	-765	233	-765
-765	-765	-765	172
172	-765	-765	-765
172	-765	-765	-765
172	-765	-765	-765

ALPHABET= ACGT

>prsc1_004.1

log-odds matrix: alength= 4 w= 28 n= 917 bayes= 7.83447 E= 1.7e+004

-865	-865	18	142
183	-865	-865	-865
183	-865	-865	-865
-16	-865	177	-865
-16	18	-865	83
-865	-865	177	-16
-16	18	118	-865
-16	177	-865	-865
-199	187	-199	-199
-865	-865	-865	183
-16	-865	-865	142
-865	177	18	-865
183	-865	-865	-865
102	-199	-199	19

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83	-865	18	-16
-16	-865	177	-865
142	18	-865	-865
-865	218	-865	-865
83	118	-865	-865
-199	-199	-199	155
-199	-199	187	-199
-16	-865	-865	142
-865	-865	118	83
-865	118	118	-865
142	-865	18	-865
183	-865	-865	-865
-16	118	18	-865
-865	-865	-865	183

ALPHABET= ACGT

>prsc1_004. 3

log-odds matrix: alength= 4 w= 11 n= 985 bayes= 7. 93811 E= 4. 8e+009

-865	18	177	-865
-16	-865	-865	142
142	18	-865	-865
19	133	-199	-199
-199	187	-199	-199
-199	-199	-199	155
-199	-199	47	102
19	-199	133	-199
-199	-199	-199	155
-199	-199	187	-199
-199	187	-199	-199

ALPHABET= ACGT

>prsc1_005. 10

log-odds matrix: alength= 4 w= 10 n= 1574 bayes= 9. 0325 E= 6. 3e+004

-823	234	-823	-823
172	-823	-823	-823
172	-823	-823	-823
-823	234	-823	-823
172	-823	-823	-823
-823	75	175	-823
114	-823	-823	14
172	-823	-823	-823
14	175	-823	-823
-823	234	-823	-823

ALPHABET= ACGT

>prsc1_005. 1

log-odds matrix: alength= 4 w= 26 n= 1526 bayes= 8. 98774 E= 9. 6e-001

172	-823	-823	-823
-823	-823	-823	172
172	-823	-823	-823
172	-823	-823	-823
-823	-823	-823	172
-823	-823	-823	172
172	-823	-823	-823
-823	75	-823	114
14	175	-823	-823
172	-823	-823	-823
-823	-823	-823	172
114	-823	75	-823
14	-823	-823	114

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```

-823 234 -823 -823
-823 175 -823 14
172 -823 -823 -823
-823 -823 -823 172
-823 -823 234 -823
-823 234 -823 -823
172 -823 -823 -823
-823 -823 234 -823
-823 -823 234 -823
114 -823 75 -823
-823 234 -823 -823
-823 234 -823 -823
172 -823 -823 -823

```

ALPHABET= ACGT

>prsc1_005. 2

log-odds matrix: al ength= 4 w= 44 n= 1472 bayes= 8. 93566 E= 1. 4e+000

```

-823 -823 -823 172
-823 -823 -823 172
-823 -823 -823 172
-823 75 -823 114
-823 75 -823 114
114 -823 -823 14
14 -823 175 -823
-823 -823 234 -823
-823 -823 -823 172
-823 -823 234 -823
-823 -823 234 -823
14 75 75 -823
14 75 75 -823
-823 234 -823 -823
172 -823 -823 -823
-823 234 -823 -823
-823 -823 -823 172
172 -823 -823 -823
114 -823 75 -823
-823 234 -823 -823
14 -823 -823 114
114 -823 75 -823
-823 75 75 14
-823 -823 -823 172
172 -823 -823 -823
-823 175 -823 14
172 -823 -823 -823
-823 175 -823 14
-823 -823 -823 172
-823 -823 -823 172
172 -823 -823 -823
172 -823 -823 -823
-823 234 -823 -823
172 -823 -823 -823
14 75 75 -823
14 -823 175 -823
14 175 -823 -823
114 -823 75 -823
-823 234 -823 -823
172 -823 -823 -823
-823 75 -823 114
14 -823 175 -823
-823 75 -823 114
-823 -823 234 -823

```


ALPHABET= ACGT

>prsc1_005. 3

log-odds matrix: alength= 4 w= 14 n= 1562 bayes= 9. 02144 E= 2. 3e+001

172	-823	-823	-823
172	-823	-823	-823
172	-823	-823	-823
-823	-823	234	-823
-823	-823	-823	172
-823	-823	-823	172
-823	-823	234	-823
-823	234	-823	-823
172	-823	-823	-823
-823	234	-823	-823
-823	175	-823	14
-823	234	-823	-823
172	-823	-823	-823
-823	234	-823	-823

ALPHABET= ACGT

>prsc1_005. 4

log-odds matrix: alength= 4 w= 23 n= 1535 bayes= 8. 99624 E= 4. 4e+001

-823	-823	-823	172
14	175	-823	-823
14	-823	175	-823
172	-823	-823	-823
172	-823	-823	-823
-823	-823	-823	172
172	-823	-823	-823
172	-823	-823	-823
-823	-823	234	-823
-823	175	-823	14
172	-823	-823	-823
14	175	-823	-823
172	-823	-823	-823
-823	-823	175	14
-823	234	-823	-823
-823	234	-823	-823
172	-823	-823	-823
14	-823	-823	114
-823	-823	234	-823
-823	-823	-823	172
172	-823	-823	-823
172	-823	-823	-823
172	-823	-823	-823

ALPHABET= ACGT

>prsc1_005. 5

log-odds matrix: alength= 4 w= 30 n= 1514 bayes= 8. 97633 E= 4. 0e+001

-823	-823	-823	172
172	-823	-823	-823
114	-823	75	-823
172	-823	-823	-823
-823	-823	234	-823
172	-823	-823	-823
-823	-823	-823	172
-823	-823	-823	172
172	-823	-823	-823
-823	-823	-823	172
14	-823	175	-823
-823	75	75	14

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-158	-158	-158	134
-158	-158	189	-158
-158	-158	-158	134
-823	-823	175	14
-823	75	-823	114
-158	-158	-158	134
-823	234	-823	-823
-823	234	-823	-823
172	-823	-823	-823
-823	75	175	-823
-823	234	-823	-823
-823	-823	-823	172
172	-823	-823	-823
14	175	-823	-823
172	-823	-823	-823
-823	-823	234	-823
-823	234	-823	-823
172	-823	-823	-823

ALPHABET= ACGT

>prsc1_005. 6

log-odds matrix: alength= 4 w= 15 n= 1559 bayes= 9. 01866 E= 5. 8e+002

-823	234	-823	-823
-823	-823	-823	172
-823	-823	75	114
-823	175	-823	14
172	-823	-823	-823
14	-823	-823	114
-823	234	-823	-823
172	-823	-823	-823
-823	-823	234	-823
-823	234	-823	-823
-823	-823	-823	172
172	-823	-823	-823
172	-823	-823	-823
-823	234	-823	-823
172	-823	-823	-823

ALPHABET= ACGT

>prsc1_005. 7

log-odds matrix: alength= 4 w= 13 n= 1565 bayes= 9. 02422 E= 6. 4e+002

-823	-823	-823	172
172	-823	-823	-823
-823	234	-823	-823
-823	-823	-823	172
-823	-823	-823	172
-823	234	-823	-823
-823	234	-823	-823
172	-823	-823	-823
-823	175	-823	14
172	-823	-823	-823
14	-823	-823	114
-823	-823	234	-823
-823	-823	234	-823

ALPHABET= ACGT

>prsc1_005. 8

log-odds matrix: alength= 4 w= 12 n= 1568 bayes= 9. 02698 E= 2. 1e+003

172	-823	-823	-823
-823	75	175	-823

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```
-823 234 -823 -823
 14 175 -823 -823
-823 -823 -823 172
-823 75 75 14
-823 234 -823 -823
-823 -823 -823 172
-823 -823 234 -823
-823 -823 234 -823
 172 -823 -823 -823
-823 234 -823 -823
```

ALPHABET= ACGT

>prsc1_005. 9

log-odds matrix: alength= 4 w= 21 n= 1541 bayes= 9. 00188 E= 4. 0e+004

```
-823 175 75 -823
-823 234 -823 -823
-823 175 -823 14
-823 -823 -823 172
-823 175 -823 14
 172 -823 -823 -823
 172 -823 -823 -823
 172 -823 -823 -823
 14 175 -823 -823
 14 -823 -823 114
 172 -823 -823 -823
 14 -823 -823 114
-823 -823 75 114
 172 -823 -823 -823
 14 -823 175 -823
-823 234 -823 -823
 114 -823 -823 14
-823 -823 75 114
-823 234 -823 -823
 172 -823 -823 -823
 172 -823 -823 -823
```

ALPHABET= ACGT

>prsc1_006. 1

log-odds matrix: alength= 4 w= 35 n= 766 bayes= 7. 57365 E= 4. 4e-002

```
-865 -865 13 146
-865 -865 -865 188
-865 213 -865 -865
-865 -865 -865 188
-199 -199 182 -199
 -12 171 -865 -865
-199 42 -199 106
 -12 171 -865 -865
-865 213 -865 -865
 188 -865 -865 -865
 -12 -865 171 -865
 188 -865 -865 -865
 188 -865 -865 -865
-865 -865 -865 188
-865 -865 -865 188
-865 -865 -865 188
 -12 -865 113 -12
-865 213 -865 -865
-865 -865 -865 188
-865 13 -865 146
 88 -865 13 -12
 88 -865 113 -865
```

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-12	-865	-865	146
188	-865	-865	-865
-865	113	113	-865
146	-865	-865	-12
-865	-865	171	-12
-865	113	-865	88
-12	13	113	-865
188	-865	-865	-865
146	-865	-865	-12
-865	13	-865	146
88	-865	13	-12
23	-199	128	-199
-865	-865	-865	188

ALPHABET= ACGT

>prsc10_065. 1

log-odds matrix: al ength= 4 w= 13 n= 992 bayes= 8. 95128 E= 1. 2e+004

-765	234	-765	-765
-765	-765	234	-765
72	134	-765	-765
-765	-765	-765	172
-765	-765	234	-765
72	134	-765	-765
-765	-765	-765	172
-765	-765	234	-765
-765	-765	-765	172
-765	-765	-765	172
-765	-765	234	-765
-765	-765	-765	172
-765	234	-765	-765

ALPHABET= ACGT

>prsc10_065. 3

log-odds matrix: al ength= 4 w= 11 n= 996 bayes= 8. 9571 E= 2. 4e+004

-765	-765	-765	172
-765	-765	-765	172
-765	234	-765	-765
172	-765	-765	-765
-765	-765	-765	172
-765	-765	234	-765
-765	-765	234	-765
-765	-765	-765	172
-765	-765	134	72
-765	-765	-765	172
-765	234	-765	-765

ALPHABET= ACGT

>prsc10_065. 5

log-odds matrix: al ength= 4 w= 13 n= 992 bayes= 8. 95128 E= 2. 8e+004

172	-765	-765	-765
-765	-765	234	-765
-765	-765	-765	172
-765	234	-765	-765
-765	-765	-765	172
-765	-765	-765	172
-765	-765	234	-765
-765	134	134	-765
-765	-765	-765	172
72	134	-765	-765
-765	134	134	-765

172	-765	-765	-765
-765	-765	234	-765

ALPHABET= ACGT

>prsc10_065. 6

log-odds matrix: alength= 4 w= 12 n= 994 bayes= 8. 9542 E= 3. 9e+004

-765	-765	-765	172
-765	-765	-765	172
-765	-765	234	-765
-765	-765	-765	172
-765	-765	134	72
72	134	-765	-765
-765	-765	-765	172
172	-765	-765	-765
-765	234	-765	-765
-765	-765	-765	172
-765	234	-765	-765
-765	-765	234	-765

ALPHABET= ACGT

>prsc10_065. 9

log-odds matrix: alength= 4 w= 14 n= 990 bayes= 8. 94837 E= 7. 3e+004

-765	-765	-765	172
172	-765	-765	-765
-765	234	-765	-765
-99	-99	-99	110
172	-765	-765	-765
-765	-765	-765	172
-765	-765	234	-765
-765	134	134	-765
-765	-765	-765	172
-765	-765	134	72
-765	-765	-765	172
-765	-765	-765	172
-765	234	-765	-765
172	-765	-765	-765

ALPHABET= ACGT

>prsc10_066. 1

log-odds matrix: alength= 4 w= 10 n= 1093 bayes= 8. 50515 E= 1. 1e+003

177	-823	-823	-823
177	-823	-823	-823
-823	-823	226	-823
119	-823	-823	19
-823	-823	226	-823
-823	226	-823	-823
177	-823	-823	-823
177	-823	-823	-823
-823	226	-823	-823
-823	226	-823	-823

ALPHABET= ACGT

>prsc10_066. 2

log-odds matrix: alength= 4 w= 27 n= 1042 bayes= 8. 43602 E= 2. 5e+003

177	-823	-823	-823
-823	-823	-823	177
-823	-823	-823	177
-823	-823	226	-823
19	-823	168	-823

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177	-823	-823	-823
177	-823	-823	-823
119	-823	-823	19
-823	-823	-823	177
119	-823	-823	19
-823	168	-823	19
19	-823	68	19
119	-823	68	-823
19	-823	168	-823
177	-823	-823	-823
177	-823	-823	-823
177	-823	-823	-823
-823	-823	-823	177
-823	68	-823	119
-823	-823	226	-823
177	-823	-823	-823
19	68	68	-823
177	-823	-823	-823
177	-823	-823	-823
-823	-823	68	119
-823	-823	-823	177
177	-823	-823	-823

ALPHABET= ACGT

>prsc10_066. 3

log-odds matrix: al length= 4 w= 31 n= 1030 bayes= 8. 41926 E= 2. 6e+003

177	-823	-823	-823
177	-823	-823	-823
19	-823	-823	119
177	-823	-823	-823
-823	-823	226	-823
19	168	-823	-823
177	-823	-823	-823
119	-823	-823	19
19	168	-823	-823
177	-823	-823	-823
-823	-823	-823	177
119	68	-823	-823
19	-823	-823	119
177	-823	-823	-823
-823	68	-823	119
177	-823	-823	-823
-823	-823	168	19
177	-823	-823	-823
-823	168	-823	19
-823	-823	-823	177
119	-823	68	-823
119	-823	-823	19
19	-823	-823	119
19	-823	-823	119
-823	-823	226	-823
-823	-823	68	119
19	-823	-823	119
-823	226	-823	-823
-823	226	-823	-823
177	-823	-823	-823
-823	-823	226	-823

ALPHABET= ACGT

>prsc10_066. 4

log-odds matrix: al length= 4 w= 13 n= 1084 bayes= 8. 49319 E= 1. 7e+004

74203Suppl emental _CNSmatri ces. pssm. txt

```
-823 226 -823 -823
119 -823 -823 19
-823 -823 -823 168
-823 226 -823 -823
177 -823 -823 -823
-823 68 -823 119
-823 226 -823 -823
-823 226 -823 -823
177 -823 -823 -823
119 68 -823 -823
119 -823 68 -823
-823 -823 226 -823
177 -823 -823 -823
```

ALPHABET= ACGT

>prsc10_066. 5

log-odds matrix: alength= 4 w= 11 n= 1090 bayes= 8. 50117 E= 7. 7e+004

```
177 -823 -823 -823
177 -823 -823 -823
19 -823 -823 168
-823 -823 226 -823
119 68 -823 -823
-823 -823 -823 177
19 -823 -823 119
-823 226 -823 -823
177 -823 -823 -823
-823 -823 -823 177
177 -823 -823 -823
```

ALPHABET= ACGT

>prsc10_066. 6

log-odds matrix: alength= 4 w= 15 n= 1078 bayes= 8. 48516 E= 4. 8e+005

```
177 -823 -823 -823
19 -823 -823 119
19 -823 168 -823
177 -823 -823 -823
56 -158 -158 56
-823 -823 -823 177
-823 -823 -823 177
177 -823 -823 -823
-823 -823 -823 177
-823 -823 -823 177
177 -823 -823 -823
-823 168 -823 19
19 168 -823 -823
119 68 -823 -823
177 -823 -823 -823
```

ALPHABET= ACGT

>prsc10_066. 7

log-odds matrix: alength= 4 w= 10 n= 1093 bayes= 8. 50515 E= 1. 5e+008

```
-823 -823 -823 177
-823 -823 -823 177
-823 168 68 -823
-158 182 -158 -158
138 -158 -158 -158
138 -158 -158 -158
-158 -158 -158 138
-158 182 -158 -158
138 -158 -158 -158
```

-158 -158 182

-158

ALPHABET= ACGT

>prsc10_069.10

log-odds matrix: alength= 4 w= 11 n= 1481 bayes= 8.94447 E= 1.0e+006

-823	-823	-823	176
-823	228	-823	-823
118	-823	-823	18
-823	-823	-823	176
-823	-823	70	118
-823	-823	-823	176
-823	-823	-823	176
18	70	-823	18
-823	-823	-823	176
-823	169	-823	18
-823	228	-823	-823

ALPHABET= ACGT

>prsc10_069.1

log-odds matrix: alength= 4 w= 19 n= 1457 bayes= 8.92085 E= 2.0e+003

-823	-823	-823	176
-823	-823	228	-823
176	-823	-823	-823
-823	-823	70	118
-823	-823	228	-823
-823	-823	228	-823
-823	169	-823	18
118	70	-823	-823
176	-823	-823	-823
176	-823	-823	-823
176	-823	-823	-823
-823	228	-823	-823
18	70	-823	18
176	-823	-823	-823
118	-823	70	-823
176	-823	-823	-823
-823	228	-823	-823
118	70	-823	-823
176	-823	-823	-823

ALPHABET= ACGT

>prsc10_069.3

log-odds matrix: alength= 4 w= 11 n= 1481 bayes= 8.94447 E= 4.6e+004

-823	-823	-823	176
-823	-823	228	-823
-823	-823	-823	176
-823	169	70	-823
-823	-823	-823	176
118	-823	-823	18
-823	169	70	-823
-823	228	-823	-823
-823	-823	-823	176
-823	-823	-823	176
176	-823	-823	-823

ALPHABET= ACGT

>prsc10_069.7

log-odds matrix: alength= 4 w= 16 n= 1466 bayes= 8.92975 E= 3.2e+005

-823	228	-823	-823
------	-----	------	------

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```

-823 -823 -823 176
 18 -823 -823 118
 18 -823 -823 118
 18 -823 -823 118
 176 -823 -823 -823
-823 -823 -823 176
-823 228 -823 -823
 176 -823 -823 -823
 176 -823 -823 -823
 118 70 -823 -823
 176 -823 -823 -823
-823 -823 70 118
 176 -823 -823 -823
 118 70 -823 -823
-823 -823 -823 176

```

ALPHABET= ACGT

>prsc10_069. 8

log-odds matrix: alength= 4 w= 11 n= 1481 bayes= 8.94447 E= 3.8e+005

```

 176 -823 -823 -823
-823 -823 228 -823
-823 70 70 18
-823 -823 -823 176
-823 70 169 -823
 176 -823 -823 -823
 18 -823 169 -823
-823 -823 -823 176
-823 -823 -823 176
 18 -823 -823 118
-823 228 -823 -823

```

ALPHABET= ACGT

>prsc10_069. 9

log-odds matrix: alength= 4 w= 13 n= 1475 bayes= 8.9386 E= 5.7e+005

```

-823 228 -823 -823
 18 -823 70 18
 18 169 -823 -823
 176 -823 -823 -823
 176 -823 -823 -823
 118 70 -823 -823
 18 70 70 -823
 176 -823 -823 -823
 176 -823 -823 -823
 176 -823 -823 -823
-158 -158 97 55
-823 -823 228 -823
-823 -823 228 -823

```

ALPHABET= ACGT

>prsc10_070. 10

log-odds matrix: alength= 4 w= 12 n= 1589 bayes= 9.04621 E= 4.0e+005

```

 177 -823 -823 -823
 177 -823 -823 -823
-823 68 -823 119
 177 -823 -823 -823
 177 -823 -823 -823
-823 -823 226 -823
-823 226 -823 -823
 119 -823 68 -823
 119 -823 -823 19

```

74203Suppl emental _CNSmatri ces. pssm. txt

19	-823	168	-823
177	-823	-823	-823
-823	-823	-823	177

ALPHABET= ACGT

>prsc10_070. 1

log-odds matri x: al ength= 4 w= 11 n= 1592 bayes= 9. 04894 E= 6. 1e+003

177	-823	-823	-823
-823	-823	226	-823
-823	-823	226	-823
177	-823	-823	-823
-823	-823	226	-823
-823	-823	226	-823
-823	-823	168	19
177	-823	-823	-823
-823	-823	-823	177
-823	168	-823	19
177	-823	-823	-823

ALPHABET= ACGT

>prsc10_070. 2

log-odds matri x: al ength= 4 w= 10 n= 1595 bayes= 9. 05166 E= 4. 8e+004

-823	-823	226	-823
119	68	-823	-823
-823	168	-823	19
177	-823	-823	-823
-823	226	-823	-823
177	-823	-823	-823
177	-823	-823	-823
-823	-823	-823	177
-823	226	-823	-823
177	-823	-823	-823

ALPHABET= ACGT

>prsc10_070. 3

log-odds matri x: al ength= 4 w= 13 n= 1586 bayes= 9. 04348 E= 6. 0e+004

177	-823	-823	-823
177	-823	-823	-823
-823	-823	226	-823
-823	68	168	-823
177	-823	-823	-823
-823	226	-823	-823
19	-823	-823	119
-823	-823	168	19
-823	68	168	-823
-823	226	-823	-823
119	-823	-823	19
-823	168	-823	19
-823	226	-823	-823

ALPHABET= ACGT

>prsc10_070. 5

log-odds matri x: al ength= 4 w= 10 n= 1595 bayes= 9. 05166 E= 1. 3e+005

-823	226	-823	-823
177	-823	-823	-823
-823	-823	226	-823
119	-823	-823	19
119	68	-823	-823
119	68	-823	-823

74203Suppl emental _CNSmatri ces. pssm. txt

-823	226	-823	-823
-823	226	-823	-823
177	-823	-823	-823
177	-823	-823	-823

ALPHABET= ACGT

>prsc10_070. 6

log-odds matrix: alength= 4 w= 13 n= 1586 bayes= 9.04348 E= 1.1e+005

-823	-823	-823	177
-823	-823	226	-823
-823	-823	-823	177
-823	-823	226	-823
-823	-823	68	119
-823	-823	226	-823
19	168	-823	-823
-823	168	-823	19
119	68	-823	-823
19	68	-823	19
177	-823	-823	-823
177	-823	-823	-823
-823	-823	226	-823

ALPHABET= ACGT

>prsc10_070. 7

log-odds matrix: alength= 4 w= 11 n= 1592 bayes= 9.04894 E= 1.7e+005

-823	226	-823	-823
177	-823	-823	-823
-823	-823	-823	177
-823	-823	-823	177
-823	-823	-823	177
-823	168	68	-823
119	68	-823	-823
177	-823	-823	-823
19	68	68	-823
-823	226	-823	-823
177	-823	-823	-823

ALPHABET= ACGT

>prsc10_070. 8

log-odds matrix: alength= 4 w= 11 n= 1592 bayes= 9.04894 E= 2.3e+005

-823	-823	-823	177
177	-823	-823	-823
177	-823	-823	-823
177	-823	-823	-823
-823	168	68	-823
177	-823	-823	-823
177	-823	-823	-823
177	-823	-823	-823
19	-823	-823	119
177	-823	-823	-823
177	-823	-823	-823

ALPHABET= ACGT

>prsc1_007. 2

log-odds matrix: alength= 4 w= 13 n= 417 bayes= 7.69697 E= 3.3e+004

-765	-765	-765	191
191	-765	-765	-765
191	-765	-765	-765
-765	-765	208	-765

74203Suppl emental _CNSmatri ces. pssm. txt

91	-765	-765	91
-765	-765	-765	191
-765	-765	108	91
91	-765	108	-765
-765	-765	-765	191
191	-765	-765	-765
191	-765	-765	-765
-765	208	-765	-765
191	-765	-765	-765

ALPHABET= ACGT

>prsc1_007. 3

log-odds matri x: al ength= 4 w= 14 n= 415 bayes= 7. 69 E= 5. 2e+004

191	-765	-765	-765
-765	-765	-765	191
191	-765	-765	-765
-765	-765	-765	191
-765	108	108	-765
91	-765	-765	91
-765	108	-765	91
91	-765	-765	91
-765	208	-765	-765
191	-765	-765	-765
-765	108	108	-765
-765	-765	-765	191
191	-765	-765	-765
191	-765	-765	-765

ALPHABET= ACGT

>prsc1_010. 1

log-odds matri x: al ength= 4 w= 11 n= 557 bayes= 7. 52878 E= 1. 8e+003

182	-823	-823	-823
182	-823	-823	-823
-823	219	-823	-823
124	61	-823	-823
-823	-823	161	24
182	-823	-823	-823
182	-823	-823	-823
-823	-823	219	-823
-823	61	-823	124
-823	-823	219	-823
-823	-823	-823	182

ALPHABET= ACGT

>prsc1_010. 4

log-odds matri x: al ength= 4 w= 10 n= 560 bayes= 7. 53657 E= 1. 4e+006

182	-823	-823	-823
24	161	-823	-823
-158	89	89	-158
143	-158	-158	-158
60	89	-158	-158
60	-158	-158	60
182	-823	-823	-823
182	-823	-823	-823
-823	-823	219	-823
24	-823	161	-823

ALPHABET= ACGT

>prsc1_012. 5

74203Suppl emental _CNSmatri ces. pssm. txt

log-odds matrix: alength= 4 w= 11 n= 610 bayes= 7.24317 E= 4.9e+009

-199	-199	194	-199
-199	-199	-199	150
15	-199	53	15
-100	-100	-100	115
98	-199	-199	15
15	-199	-199	98
-199	-199	194	-199
15	53	-199	15
15	-199	140	-199
150	-199	-199	-199
-199	-199	194	-199

ALPHABET= ACGT

>prsc1_014.1

log-odds matrix: alength= 4 w= 25 n= 1492 bayes= 8.95517 E= 4.3e+003

181	-823	-823	-823
122	-823	63	-823
-823	-823	-823	181
181	-823	-823	-823
-823	-823	221	-823
-823	-823	-823	181
23	63	63	-823
-823	-823	-823	181
-823	-823	63	122
181	-823	-823	-823
181	-823	-823	-823
181	-823	-823	-823
-823	63	163	-823
23	-823	-823	122
181	-823	-823	-823
-823	-823	221	-823
-823	-823	63	122
181	-823	-823	-823
181	-823	-823	-823
23	163	-823	-823
181	-823	-823	-823
23	-823	163	-823
-823	63	-823	122
181	-823	-823	-823
181	-823	-823	-823

ALPHABET= ACGT

>prsc1_014.2

log-odds matrix: alength= 4 w= 10 n= 1537 bayes= 8.99812 E= 2.9e+004

-823	-823	221	-823
-158	-158	-158	142
181	-823	-823	-823
-823	-823	221	-823
-823	-823	221	-823
-823	221	-823	-823
-823	-823	-823	181
181	-823	-823	-823
23	-823	163	-823
181	-823	-823	-823

ALPHABET= ACGT

>prsc1_014.3

log-odds matrix: alength= 4 w= 11 n= 1534 bayes= 8.9953 E= 4.0e+004

181	-823	-823	-823
-----	------	------	------

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```
-823 -823 221 -823
-823 -823 221 -823
-823 -823 163 23
181 -823 -823 -823
181 -823 -823 -823
-823 63 163 -823
181 -823 -823 -823
122 -823 63 -823
-823 221 -823 -823
181 -823 -823 -823
```

ALPHABET= ACGT

>prsc1_014. 4

log-odds matrix: alength= 4 w= 12 n= 1531 bayes= 8.99247 E= 3.6e+005

```
181 -823 -823 -823
122 63 -823 -823
-823 -823 163 23
-823 63 163 -823
-823 -823 163 23
-823 -823 -823 181
-823 63 163 -823
-823 -823 -823 181
-823 -823 221 -823
-823 -823 -823 181
-823 -823 -823 181
-823 -823 -823 181
```

ALPHABET= ACGT

>prsc1_014. 6

log-odds matrix: alength= 4 w= 11 n= 1534 bayes= 8.9953 E= 7.7e+005

```
-823 -823 -823 181
-823 -823 -823 181
23 -823 163 -823
-823 -823 221 -823
-823 63 163 -823
181 -823 -823 -823
-823 63 163 -823
23 163 -823 -823
-823 -823 -823 181
-823 -823 63 122
-823 -823 -823 181
```

ALPHABET= ACGT

>prsc1_014. 7

log-odds matrix: alength= 4 w= 11 n= 1534 bayes= 8.9953 E= 8.3e+005

```
-823 221 -823 -823
181 -823 -823 -823
-823 -823 -823 181
-823 -823 163 23
23 -823 63 23
-823 -823 221 -823
181 -823 -823 -823
-823 63 -823 122
181 -823 -823 -823
59 -158 -158 59
-823 -823 221 -823
```

ALPHABET= ACGT

>prsc1_014. 8

74203Suppl emental _CNSmatri ces. pssm. txt

log-odds matrix: al length= 4 w= 15 n= 1522 bayes= 8.98394 E= 1.8e+006

-823	-823	221	-823
-823	-823	-823	181
-823	63	63	23
181	-823	-823	-823
181	-823	-823	-823
122	-823	63	-823
-823	-823	63	122
-823	163	63	-823
23	63	63	-823
-158	178	-158	-158
181	-823	-823	-823
23	-823	-823	122
181	-823	-823	-823
-823	-823	221	-823
181	-823	-823	-823

ALPHABET= ACGT

>prsc1_015.1

log-odds matrix: al length= 4 w= 11 n= 1858 bayes= 8.53372 E= 2.8e+005

-897	-897	-897	182
-897	-897	-897	182
-897	-897	88	108
108	88	-897	-897
-897	88	-12	50
-897	220	-897	-897
182	-897	-897	-897
-14	-231	157	-231
182	-897	-897	-897
150	-12	-897	-897
182	-897	-897	-897

ALPHABET= ACGT

>prsc1_015.3

log-odds matrix: al length= 4 w= 11 n= 1858 bayes= 8.53372 E= 2.8e+010

-897	220	-897	-897
160	-231	-231	-231
-14	17	103	-231
121	-231	-231	-14
69	103	-231	-231
160	-231	-231	-231
-231	196	-231	-231
160	-231	-231	-231
-231	196	-231	-231
69	103	-231	-231
-231	196	-231	-231

ALPHABET= ACGT

>prsc1_015.4

log-odds matrix: al length= 4 w= 11 n= 1858 bayes= 8.53372 E= 1.7e+012

160	-231	-231	-231
160	-231	-231	-231
-231	-231	196	-231
121	-231	17	-231
-14	103	17	-231
15	-132	-132	86
160	-231	-231	-231
-231	-231	196	-231
-231	-231	157	-14
-231	157	-231	-14

160 -231 -231 -231

ALPHABET= ACGT

>prsc1_015. 6

log-odds matrix: alength= 4 w= 10 n= 1863 bayes= 8. 53761 E= 2. 8e+012

-231	196	-231	-231
-14	-231	-231	121
133	-132	-132	-132
121	-231	-231	-14
-14	-231	17	69
-14	-231	157	-231
-231	-231	196	-231
-231	17	103	-14
-231	196	-231	-231
-231	-231	-231	160

ALPHABET= ACGT

>prsc1_017. 1

log-odds matrix: alength= 4 w= 16 n= 1575 bayes= 8. 61747 E= 4. 8e+004

-865	123	123	-865
180	-865	-865	-865
180	-865	-865	-865
80	23	-865	-20
80	23	-865	-20
80	-865	-865	80
80	123	-865	-865
-865	223	-865	-865
99	-199	-199	16
-865	-865	223	-865
180	-865	-865	-865
180	-865	-865	-865
180	-865	-865	-865
138	-865	23	-865
-865	223	-865	-865
138	23	-865	-865

ALPHABET= ACGT

>prsc1_017. 2

log-odds matrix: alength= 4 w= 14 n= 1583 bayes= 8. 6248 E= 3. 1e+006

-865	223	-865	-865
180	-865	-865	-865
180	-865	-865	-865
-199	138	-199	16
-20	23	-865	80
180	-865	-865	-865
-865	23	182	-865
-20	182	-865	-865
138	-865	-865	-20
-20	123	23	-865
-20	23	-865	80
80	23	-865	-20
-865	223	-865	-865
180	-865	-865	-865

ALPHABET= ACGT

>prsc1_019. 1

log-odds matrix: alength= 4 w= 43 n= 606 bayes= 7. 65105 E= 4. 2e+003

-823	-823	-823	174
16	-823	-823	115

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```

174 -823 -823 -823
-823 73 -823 115
16 -823 -823 115
-823 -823 173 16
-823 -823 173 16
174 -823 -823 -823
16 -823 -823 115
174 -823 -823 -823
16 -823 -823 115
-823 173 -823 16
-823 -823 -823 174
16 -823 173 -823
-823 -823 231 -823
-823 173 73 -823
-823 -823 -823 174
-823 -823 73 115
115 -823 73 -823
115 73 -823 -823
-823 -823 -823 174
-823 -823 -823 174
-823 -823 73 115
16 -823 -823 115
16 73 73 -823
-823 173 -823 16
174 -823 -823 -823
-823 -823 73 115
-823 73 -823 115
-823 73 -823 115
-823 -823 231 -823
174 -823 -823 -823
-823 -823 -823 174
16 -823 -823 115
136 -158 -158 -158
-823 173 -823 16
-823 -823 -823 174
-823 -823 73 115
-823 -823 -823 174
16 173 -823 -823
174 -823 -823 -823
-823 -823 -823 174
174 -823 -823 -823

```

ALPHABET= ACGT

>prsc1_019.2

log-odds matrix: alength= 4 w= 21 n= 672 bayes= 7.8009 E= 9.0e+003

```

174 -823 -823 -823
115 -823 -823 16
-823 -823 231 -823
16 -823 173 -823
174 -823 -823 -823
174 -823 -823 -823
115 -823 -823 16
16 -823 173 -823
115 -823 73 -823
115 73 -823 -823
174 -823 -823 -823
-823 73 -823 115
-823 -823 -823 174
-823 -823 -823 174
-823 231 -823 -823
-823 -823 -823 174
-823 -823 73 115

```

74203Suppl emental _CNSmatri ces. pssm. txt

174	-823	-823	-823
-823	-823	-823	174
-823	-823	73	115
-823	-823	-823	174

ALPHABET= ACGT

>prsc1_021. 1

log-odds matrix: alength= 4 w= 11 n= 984 bayes= 8. 93958 E= 6. 7e+004

185	-765	-765	-765
185	-765	-765	-765
-765	-765	215	-765
-765	-765	-765	185
-765	-765	-765	185
86	-765	-765	86
-765	-765	215	-765
185	-765	-765	-765
-765	115	-765	86
-765	215	-765	-765
-765	215	-765	-765

ALPHABET= ACGT

>prsc1_021. 3

log-odds matrix: alength= 4 w= 11 n= 984 bayes= 8. 93958 E= 1. 0e+005

-765	-765	-765	185
-765	-765	-765	185
-765	-765	215	-765
-765	-765	115	86
-765	-765	-765	185
-765	-765	215	-765
-765	-765	-765	185
185	-765	-765	-765
86	-765	-765	86
-765	-765	-765	185
-765	215	-765	-765

ALPHABET= ACGT

>prsc1_021. 4

log-odds matrix: alength= 4 w= 11 n= 984 bayes= 8. 93958 E= 1. 4e+005

185	-765	-765	-765
-765	-765	-765	185
185	-765	-765	-765
-765	-765	-765	185
-765	-765	215	-765
185	-765	-765	-765
86	115	-765	-765
86	115	-765	-765
-765	-765	215	-765
-765	-765	-765	185
185	-765	-765	-765

ALPHABET= ACGT

>prsc1_022. 1

log-odds matrix: alength= 4 w= 18 n= 1257 bayes= 7. 96809 E= 1. 3e+010

-231	-231	-231	170
-231	183	-231	-231
-231	-231	-231	170
-231	144	5	-231
132	-231	5	-231
170	-231	-231	-231

74203Suppl emental _CNSmatri ces. pssm. txt

-231	-231	183	-231
-231	183	-231	-231
132	-231	5	-231
-231	5	-231	132
132	-231	-231	-5
-5	5	91	-231
-231	-231	-231	170
-132	-132	154	-132
-5	144	-231	-231
-231	-231	5	132
-231	-231	-231	170
-231	-231	-231	170

ALPHABET= ACGT

>prsc1_022. 2

log-odds matrix: alength= 4 w= 10 n= 1297 bayes= 8.01346 E= 7.7e+011

-231	183	-231	-231
79	5	-231	-5
170	-231	-231	-231
-5	-231	144	-231
-5	-231	144	-231
-231	144	5	-231
-231	-231	-231	170
143	-132	-132	-132
-132	105	-132	22
170	-231	-231	-231

ALPHABET= ACGT

>prsc1_023. 3

log-odds matrix: alength= 4 w= 11 n= 1008 bayes= 8.97441 E= 2.6e+004

-765	-765	232	-765
-765	-765	-765	173
173	-765	-765	-765
-765	232	-765	-765
173	-765	-765	-765
73	-765	132	-765
-765	232	-765	-765
-765	-765	-765	173
173	-765	-765	-765
-765	-765	-765	173
-765	-765	232	-765

ALPHABET= ACGT

>prsc1_023. 7

log-odds matrix: alength= 4 w= 15 n= 1000 bayes= 8.9629 E= 3.8e+004

-765	232	-765	-765
-765	-765	-765	173
-765	-765	-765	173
-765	-765	232	-765
-765	-765	-765	173
-765	-765	-765	173
73	-765	132	-765
-765	-765	-765	173
173	-765	-765	-765
173	-765	-765	-765
-765	-765	-765	173
-765	232	-765	-765
-765	-765	-765	173
-765	-765	132	73
-765	232	-765	-765

ALPHABET= ACGT

>prsc1_023. 8

log-odds matrix: alength= 4 w= 14 n= 1002 bayes= 8. 96578 E= 3. 9e+004

-765	-765	232	-765
-765	-765	-765	173
-765	232	-765	-765
-765	232	-765	-765
-765	-765	-765	173
-765	-765	-765	173
73	-765	132	-765
-765	132	-765	73
-765	132	-765	73
-765	132	-765	73
-765	232	-765	-765
-765	232	-765	-765
-765	232	-765	-765
-765	-765	-765	173

ALPHABET= ACGT

>prsc1_035. 3

log-odds matrix: alength= 4 w= 11 n= 1151 bayes= 8. 16365 E= 1. 3e+007

-865	27	-865	136
177	-865	-865	-865
-865	227	-865	-865
97	54	-199	-199
136	27	-865	-865
-199	-199	-199	149
77	27	-865	-23
97	54	-199	-199
-865	227	-865	-865
177	-865	-865	-865
136	27	-865	-865

ALPHABET= ACGT

>prsc1_035. 6

log-odds matrix: alength= 4 w= 11 n= 1151 bayes= 8. 16365 E= 1. 2e+008

-865	-865	227	-865
177	-865	-865	-865
97	-199	54	-199
149	-199	-199	-199
77	-865	-865	77
136	-865	-865	-23
14	141	-199	-199
97	-199	54	-199
-865	-865	-865	177
-23	27	127	-865
177	-865	-865	-865

ALPHABET= ACGT

>prsc1_035. 7

log-odds matrix: alength= 4 w= 11 n= 1151 bayes= 8. 16365 E= 5. 1e+010

-100	-100	-100	114
-100	-100	-100	114
-100	154	-100	-100
149	-199	-199	-199
-199	-199	-199	149
-100	-100	154	-100
44	-100	-100	44

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114	-100	-100	-100
44	-100	77	-100
114	-100	-100	-100
-100	154	-100	-100

ALPHABET= ACGT

>prsc1_044. 1

log-odds matrix: alength= 4 w= 14 n= 1176 bayes= 8. 61102 E= 8. 6e+003

-823	-823	-823	182
-823	-823	219	-823
-823	-823	219	-823
182	-823	-823	-823
-823	161	-823	24
182	-823	-823	-823
24	-823	-823	124
24	-823	161	-823
-823	161	61	-823
182	-823	-823	-823
182	-823	-823	-823
-823	161	61	-823
182	-823	-823	-823
-823	-823	219	-823

ALPHABET= ACGT

>prsc1_044. 2

log-odds matrix: alength= 4 w= 12 n= 1182 bayes= 8. 61839 E= 2. 6e+004

-823	219	-823	-823
-823	-823	-823	182
-823	-823	-823	182
-823	161	-823	24
-823	-823	-823	182
-823	-823	219	-823
-823	61	161	-823
-823	-823	-823	182
182	-823	-823	-823
-823	-823	161	24
124	-823	-823	24
-823	-823	219	-823

ALPHABET= ACGT

>prsc1_044. 3

log-odds matrix: alength= 4 w= 11 n= 1185 bayes= 8. 62205 E= 3. 7e+005

182	-823	-823	-823
-823	161	61	-823
124	-823	-823	24
-823	-823	219	-823
60	89	-158	-158
-823	-823	219	-823
182	-823	-823	-823
124	-823	61	-823
-823	-823	-823	182
182	-823	-823	-823
-823	-823	-823	182

ALPHABET= ACGT

>prsc1_044. 4

log-odds matrix: alength= 4 w= 11 n= 1185 bayes= 8. 62205 E= 4. 2e+005

182	-823	-823	-823
-823	-823	161	24

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```
-823 219 -823 -823
-823 61 -823 124
-823 161 -823 24
124 -823 -823 24
-823 219 -823 -823
182 -823 -823 -823
-823 -823 -823 182
-823 61 161 -823
182 -823 -823 -823
```

ALPHABET= ACGT

>prsc1_044.5

log-odds matrix: alength= 4 w= 15 n= 1173 bayes= 8.60733 E= 1.1e+006

```
-823 61 161 -823
-823 -823 61 124
182 -823 -823 -823
-823 -823 219 -823
24 -823 161 -823
-823 61 161 -823
-158 89 -158 60
182 -823 -823 -823
182 -823 -823 -823
124 -823 61 -823
24 -823 61 24
182 -823 -823 -823
24 161 -823 -823
182 -823 -823 -823
182 -823 -823 -823
```

ALPHABET= ACGT

>prsc1_044.6

log-odds matrix: alength= 4 w= 11 n= 1185 bayes= 8.62205 E= 1.0e+006

```
182 -823 -823 -823
24 -823 -823 124
-823 -823 -823 182
-823 -823 161 24
24 -823 -823 124
-823 219 -823 -823
182 -823 -823 -823
124 -823 -823 24
182 -823 -823 -823
-823 -823 -823 182
-823 -823 -823 182
```

ALPHABET= ACGT

>prsc1_044.7

log-odds matrix: alength= 4 w= 13 n= 1179 bayes= 8.61471 E= 1.9e+006

```
182 -823 -823 -823
-823 -823 161 24
-823 161 -823 24
24 -823 -823 124
-823 -823 -823 182
-823 61 61 24
124 -823 -823 24
182 -823 -823 -823
-823 219 -823 -823
182 -823 -823 -823
-823 -823 -823 182
-823 61 -823 124
-823 -823 -823 182
```

ALPHABET= ACGT

>prsc1_049.1

log-odds matrix: alength= 4 w= 12 n= 1051 bayes= 8.44846 E= 7.2e+005

-823	51	151	-823
32	151	-823	-823
-823	210	-823	-823
-823	-823	151	32
-823	51	51	32
-823	-823	-823	190
-823	-823	210	-823
-823	151	51	-823
-823	151	51	-823
66	-158	-158	66
190	-823	-823	-823
-823	-823	-823	190

ALPHABET= ACGT

>prsc4_052.1

log-odds matrix: alength= 4 w= 20 n= 1040 bayes= 8.43324 E= 6.8e+003

-823	-823	-823	179
-823	-823	-823	179
-823	-823	-823	179
21	-823	66	21
-823	-823	224	-823
179	-823	-823	-823
-823	-823	224	-823
-823	66	166	-823
-823	-823	-823	179
-823	-823	-823	179
120	-823	66	-823
-823	-823	166	21
21	-823	66	21
179	-823	-823	-823
-823	66	-823	120
179	-823	-823	-823
-823	-823	166	21
-823	-823	166	21
-823	-823	224	-823
-823	-823	-823	179

ALPHABET= ACGT

>prsc4_052.2

log-odds matrix: alength= 4 w= 10 n= 1070 bayes= 8.47438 E= 9.4e+003

-823	166	66	-823
-823	224	-823	-823
120	-823	-823	21
179	-823	-823	-823
179	-823	-823	-823
-823	-823	224	-823
-823	-823	224	-823
179	-823	-823	-823
179	-823	-823	-823
179	-823	-823	-823

ALPHABET= ACGT

>prsc4_052.5

log-odds matrix: alength= 4 w= 13 n= 1061 bayes= 8.46216 E= 4.7e+004

-823	224	-823	-823
------	-----	------	------

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```

179 -823 -823 -823
120 -823 -823 21
-823 -823 -823 179
21 -823 166 -823
-823 -823 66 120
-823 -823 -823 179
179 -823 -823 -823
-823 -823 -823 179
-823 -823 -823 179
-823 -823 -823 179
-823 166 66 -823
179 -823 -823 -823

```

ALPHABET= ACGT

>prsc4_054.1

log-odds matrix: alength= 4 w= 20 n= 274 bayes= 6.49719 E= 7.8e+002

```

-823 -823 222 -823
-823 222 -823 -823
22 -823 -823 122
22 64 -823 22
-823 -823 -823 180
122 64 -823 -823
-823 -823 -823 180
22 -823 163 -823
-823 64 -823 122
58 -158 -158 58
-823 64 -823 122
-823 -823 -823 180
-823 163 -823 22
-158 -158 92 58
-823 -823 222 -823
-823 -823 -823 180
-823 -823 222 -823
180 -823 -823 -823
-823 64 163 -823
-823 222 -823 -823

```

ALPHABET= ACGT

>prsc4_063.1

log-odds matrix: alength= 4 w= 19 n= 909 bayes= 8.2384 E= 1.3e+003

```

-823 230 -823 -823
175 -823 -823 -823
-823 230 -823 -823
-823 -823 -823 175
-823 -823 230 -823
-823 -823 72 116
16 -823 171 -823
-823 171 -823 16
-823 230 -823 -823
136 -158 -158 -158
116 -823 -823 16
-823 72 171 -823
-823 230 -823 -823
16 -823 -823 116
175 -823 -823 -823
-823 230 -823 -823
16 -823 -823 116
-823 -823 -823 175
-823 72 171 -823

```


ALPHABET= ACGT

>prsc4_063. 6

log-odds matrix: alength= 4 w= 10 n= 936 bayes= 8. 28077 E= 2. 6e+005

-823	171	72	-823
175	-823	-823	-823
175	-823	-823	-823
-158	98	98	-158
-823	-823	-823	175
-823	-823	72	116
-823	-823	230	-823
116	72	-823	-823
175	-823	-823	-823
-823	230	-823	-823

ALPHABET= ACGT

>prsc4_063. 8

log-odds matrix: alength= 4 w= 11 n= 933 bayes= 8. 27612 E= 5. 8e+005

175	-823	-823	-823
-823	-823	-823	175
175	-823	-823	-823
-58	-58	-58	84
84	-58	-58	-58
-823	-823	-823	175
16	-823	-823	116
-823	230	-823	-823
175	-823	-823	-823
-823	-823	-823	175
-823	171	72	-823

ALPHABET= ACGT

>prsc4_063. 9

log-odds matrix: alength= 4 w= 10 n= 936 bayes= 8. 28077 E= 4. 7e+005

175	-823	-823	-823
175	-823	-823	-823
16	-823	72	16
-823	230	-823	-823
-823	171	-823	16
116	72	-823	-823
-823	-823	-823	175
116	-823	72	-823
-823	-823	-823	175
-823	230	-823	-823

ALPHABET= ACGT

>spsc10_003. 2

log-odds matrix: alength= 4 w= 11 n= 500 bayes= 7. 96 E= 1. 2e+004

-765	231	-765	-765
-765	231	-765	-765
174	-765	-765	-765
74	131	-765	-765
74	-765	-765	74
-765	231	-765	-765
-765	-765	-765	174
-765	-765	-765	174
74	-765	-765	74
-765	-765	-765	174
-765	231	-765	-765

ALPHABET= ACGT

74203Suppl emental _CNSmatri ces. pssm. txt

```
>srsc10_004. 1
log-odds matri x:  alength= 4  w= 10  n= 952  bayes= 7. 88874  E= 2. 1e+006
-865 -865 -865 183
-865 -865 218 -865
-16 118 18 -865
-865 -865 -865 183
-16 -865 -865 142
-865 18 -865 142
-865 177 -865 -16
83 -865 -865 83
-865 177 -865 -16
-865 -865 -865 183
```

ALPHABET= ACGT

```
>srsc10_005. 10
log-odds matri x:  alength= 4  w= 10  n= 1335  bayes= 8. 37829  E= 1. 9e+010
-199 210 -199 -199
-199 -199 -199 139
88 -199 -199 6
6 -199 156 -199
139 -199 -199 -199
6 -199 -199 88
-199 -199 156 6
-199 210 -199 -199
6 -199 68 6
-865 243 -865 -865
```

ALPHABET= ACGT

```
>srsc10_005. 2
log-odds matri x:  alength= 4  w= 27  n= 1267  bayes= 8. 30264  E= 5. 6e+003
-865 -865 -865 166
-199 210 -199 -199
-199 68 -199 88
66 -865 143 -865
-865 202 -865 -33
-33 143 -865 -33
166 -865 -865 -865
166 -865 -865 -865
125 43 -865 -865
66 143 -865 -865
166 -865 -865 -865
-865 43 -865 125
166 -865 -865 -865
66 -865 143 -865
166 -865 -865 -865
-865 -865 202 -33
-33 43 43 -33
-865 -865 -865 166
-865 202 43 -865
166 -865 -865 -865
-865 -865 202 -33
-865 43 -865 125
-865 -865 -865 166
-33 -865 43 66
125 -865 43 -865
-865 43 -865 125
166 -865 -865 -865
```

ALPHABET= ACGT

```
>srsc10_005. 3
```

74203Suppl emental_CNSmatri ces. pssm. txt

log-odds matrix: al length= 4 w= 15 n= 1315 bayes= 8. 35645 E= 2. 2e+004

-865	-865	243	-865
-33	202	-865	-865
66	43	-865	-33
166	-865	-865	-865
66	-865	-865	66
-865	-865	243	-865
166	-865	-865	-865
-865	-865	-865	166
66	-865	-865	66
-865	202	-865	-33
125	-865	-865	-33
-33	43	143	-865
-865	243	-865	-865
-33	-865	-865	125
-865	-865	-865	166

ALPHABET= ACGT

>srsc10_005. 4

log-odds matrix: al length= 4 w= 13 n= 1323 bayes= 8. 36523 E= 2. 4e+005

-865	-865	-865	166
-33	-865	143	-33
-865	143	143	-865
-865	-865	-865	166
-865	-865	243	-865
66	-865	43	-33
-33	202	-865	-865
-865	-865	-865	166
-199	-199	-199	139
166	-865	-865	-865
-865	-865	-865	166
6	-199	156	-199
166	-865	-865	-865

ALPHABET= ACGT

>srsc10_005. 5

log-odds matrix: al length= 4 w= 10 n= 1335 bayes= 8. 37829 E= 1. 3e+006

-865	-865	243	-865
125	-865	-865	-33
166	-865	-865	-865
-33	-865	43	66
-865	-865	-865	166
166	-865	-865	-865
66	-865	-865	66
-33	143	-865	-33
-865	243	-865	-865
166	-865	-865	-865

ALPHABET= ACGT

>srsc10_005. 6

log-odds matrix: al length= 4 w= 11 n= 1331 bayes= 8. 37395 E= 2. 5e+006

166	-865	-865	-865
125	-865	43	-865
125	-865	-865	-33
166	-865	-865	-865
66	-865	-865	66
66	-865	-865	66
125	43	-865	-865
166	-865	-865	-865
166	-865	-865	-865

```
-865 243 -865 -865
166 -865 -865 -865
```

ALPHABET= ACGT

>srsc10_005. 8

log-odds matrix: alength= 4 w= 11 n= 1331 bayes= 8. 37395 E= 5. 2e+006

```
-865 243 -865 -865
-33 43 -865 66
166 -865 -865 -865
166 -865 -865 -865
-865 43 -865 125
66 -865 143 -865
-865 43 -865 125
166 -865 -865 -865
-865 -865 -865 166
66 -865 43 -33
-865 -865 -865 166
```

ALPHABET= ACGT

>srsc10_006. 2

log-odds matrix: alength= 4 w= 15 n= 185 bayes= 6. 5157 E= 1. 6e+003

```
-765 -765 232 -765
73 -765 132 -765
-765 232 -765 -765
-765 -765 -765 173
-765 -765 232 -765
73 -765 -765 73
-765 132 132 -765
73 -765 132 -765
173 -765 -765 -765
173 -765 -765 -765
-765 132 132 -765
-765 -765 232 -765
173 -765 -765 -765
-765 -765 232 -765
```

ALPHABET= ACGT

>srsc10_006. 6

log-odds matrix: alength= 4 w= 11 n= 193 bayes= 6. 57743 E= 2. 3e+004

```
-765 -765 -765 173
-765 -765 -765 173
-765 -765 -765 173
-765 -765 -765 173
-765 132 -765 73
73 -765 -765 73
-765 132 -765 73
73 -765 -765 73
-765 -765 -765 173
-765 132 132 -765
173 -765 -765 -765
```

ALPHABET= ACGT

>srsc10_007. 4

log-odds matrix: alength= 4 w= 10 n= 989 bayes= 8. 94691 E= 1. 6e+004

```
-765 -765 231 -765
-765 231 -765 -765
174 -765 -765 -765
-765 -765 131 74
```

74203Suppl emental _CNSmatri ces. pssm. txt

```
-765 -765 231 -765
-765 231 -765 -765
 74 -765 -765 74
-765 -765 -765 174
-765 231 -765 -765
-765 231 -765 -765
```

ALPHABET= ACGT

>srsc10_007. 5

log-odds matrix: alength= 4 w= 11 n= 987 bayes= 8. 94398 E= 2. 5e+004

```
-765 -765 -765 174
-765 -765 231 -765
-765 -765 231 -765
-765 231 -765 -765
 174 -765 -765 -765
-765 -765 -765 174
 74 131 -765 -765
 174 -765 -765 -765
-765 -765 231 -765
-765 -765 -765 174
 174 -765 -765 -765
```

ALPHABET= ACGT

>srsc10_008. 10

log-odds matrix: alength= 4 w= 13 n= 1563 bayes= 8. 28355 E= 3. 5e+013

```
-132 147 -132 0
 0 67 -132 0
-132 -132 147 0
-132 -132 -132 114
 -32 136 -231 -32
-231 47 -231 100
-231 -231 191 -32
 49 -231 47 -32
-897 -897 183 27
 49 47 -231 -32
 -32 136 47 -231
 -32 -231 -231 100
-132 -132 147 0
```

ALPHABET= ACGT

>srsc10_008. 1

log-odds matrix: alength= 4 w= 24 n= 1508 bayes= 8. 2317 E= 6. 6e+005

```
-897 -897 -897 159
 27 -897 25 27
-897 -897 -897 159
-897 -897 -897 159
-897 125 -897 85
-897 -897 -897 159
-897 -897 -897 159
 -73 183 -897 -73
 85 -897 25 -73
 -73 -897 -897 127
-897 -897 -897 159
-897 -897 -897 159
-897 25 -897 127
-897 183 -897 27
 100 -231 -231 -32
-231 47 -231 100
-897 -897 -897 159
-897 183 25 -73
```

74203Suppl emental _CNSmatri ces. pssm. txt

49	47	-231	-32
100	-231	-231	-32
-897	183	-897	27
-897	-897	-897	159
-897	-897	-897	159
-897	-897	25	127

ALPHABET= ACGT

>srsc10_008. 2

log-odds matrix: alength= 4 w= 11 n= 1573 bayes= 8. 29278 E= 4. 0e+010

-231	-231	136	49
-231	-231	-231	138
-32	-231	191	-231
-231	191	-231	-32
138	-231	-231	-231
-32	-231	191	-231
-231	-231	136	49
159	-897	-897	-897
-231	-231	191	-32
-231	-231	231	-231
-897	125	183	-897

ALPHABET= ACGT

>srsc10_008. 3

log-odds matrix: alength= 4 w= 13 n= 1563 bayes= 8. 28355 E= 2. 5e+007

-897	-897	-897	159
-897	-897	-897	159
-897	125	-897	85
-73	-897	125	27
-897	25	-897	127
-897	-897	-897	159
-897	-897	-897	159
-32	-231	47	49
-897	-897	25	127
-897	-897	-897	159
-897	-897	-897	159
-897	-897	183	27
-897	183	-897	27

ALPHABET= ACGT

>srsc10_008. 4

log-odds matrix: alength= 4 w= 11 n= 1573 bayes= 8. 29278 E= 3. 0e+009

138	-231	-231	-231
-897	25	-897	127
-897	-897	-897	159
-897	183	-897	27
-73	-897	-897	127
-231	-231	191	-32
100	47	-231	-231
100	-231	-231	-32
-897	-897	-897	159
-897	-897	-897	159
-897	-897	-897	159

ALPHABET= ACGT

>srsc10_011. 1

log-odds matrix: alength= 4 w= 28 n= 1079 bayes= 8. 4865 E= 2. 5e+004

-823	-823	-823	178
-823	67	167	-823

74203Suppl emental _CNSmatri ces. pssm. txt

-823	226	-823	-823
-823	-823	-823	178
-823	-823	226	-823
-823	-823	167	19
-823	-823	-823	178
178	-823	-823	-823
19	67	67	-823
-823	-823	67	119
19	-823	167	-823
119	-823	67	-823
-823	167	67	-823
19	67	-823	19
178	-823	-823	-823
19	67	-823	19
178	-823	-823	-823
19	-823	-823	119
-823	-823	67	119
178	-823	-823	-823
19	-823	167	-823
178	-823	-823	-823
178	-823	-823	-823
178	-823	-823	-823
-158	95	95	-158
19	-823	-823	119
178	-823	-823	-823
178	-823	-823	-823

ALPHABET= ACGT

>srsc10_011. 2

log-odds matrix: al ength= 4 w= 11 n= 1130 bayes= 8. 55331 E= 7. 8e+004

178	-823	-823	-823
-823	-823	-823	178
19	-823	-823	119
-823	-823	-823	178
-823	226	-823	-823
-823	-823	-823	178
-823	-823	226	-823
-823	67	67	19
-823	167	-823	19
178	-823	-823	-823
178	-823	-823	-823

ALPHABET= ACGT

>srsc10_011. 3

log-odds matrix: al ength= 4 w= 13 n= 1124 bayes= 8. 54561 E= 2. 1e+005

-823	-823	-823	178
-823	-823	226	-823
19	-823	167	-823
178	-823	-823	-823
-823	-823	-823	178
19	67	-823	19
-823	-823	-823	178
-823	167	-823	19
-823	-823	-823	178
-823	-823	67	119
178	-823	-823	-823
19	-823	67	19
-823	226	-823	-823

ALPHABET= ACGT

74203Suppl emental _CNSmatri ces. pssm. txt

```
>srsc10_011.4
log-odds matrix: alength= 4 w= 10 n= 1133 bayes= 8.55714 E= 1.3e+006
-823 -823 -823 178
-823 -823 -823 178
119 -823 -823 19
119 67 -823 -823
-823 -823 -823 178
-823 -823 167 19
-823 -823 -823 178
-823 67 67 19
-823 -823 -823 178
-823 226 -823 -823
```

ALPHABET= ACGT

```
>srsc1_001.1
log-odds matrix: alength= 4 w= 13 n= 1437 bayes= 8.90087 E= 2.7e+003
-823 231 -823 -823
174 -823 -823 -823
115 -823 73 -823
174 -823 -823 -823
174 -823 -823 -823
-823 173 -823 16
-158 -158 99 53
-823 -823 231 -823
-823 -823 231 -823
-823 -823 -823 174
-823 -823 231 -823
-823 231 -823 -823
-823 -823 -823 174
```

ALPHABET= ACGT

```
>srsc1_001.2
log-odds matrix: alength= 4 w= 15 n= 1431 bayes= 8.89482 E= 7.7e+004
-823 231 -823 -823
16 -823 173 -823
-823 73 73 16
174 -823 -823 -823
174 -823 -823 -823
174 -823 -823 -823
174 -823 -823 -823
-823 173 73 -823
174 -823 -823 -823
16 -823 173 -823
174 -823 -823 -823
174 -823 -823 -823
174 -823 -823 -823
115 -823 73 -823
174 -823 -823 -823
```

ALPHABET= ACGT

```
>srsc10_014.1
log-odds matrix: alength= 4 w= 30 n= 893 bayes= 8.79928 E= 5.2e+003
-765 -765 -765 185
-765 -765 216 -765
185 -765 -765 -765
185 -765 -765 -765
-765 -765 216 -765
-765 -765 216 -765
-765 -765 -765 185
85 -765 -765 85
```


74203Suppl emental _CNSmatri ces. pssm. txt

185	-765	-765	-765
-765	-765	216	-765
185	-765	-765	-765
-765	-765	-765	185
-765	-765	-765	185
185	-765	-765	-765
185	-765	-765	-765
-765	216	-765	-765
85	-765	-765	85
-765	216	-765	-765
185	-765	-765	-765
85	-765	-765	85
-765	116	116	-765
-765	-765	216	-765
185	-765	-765	-765
-765	216	-765	-765
-765	-765	-765	185
-765	216	-765	-765
185	-765	-765	-765
185	-765	-765	-765
185	-765	-765	-765
185	-765	-765	-765

ALPHABET= ACGT

>srsc10_014. 3

log-odds matrix: alength= 4 w= 15 n= 923 bayes= 8. 84706 E= 2. 7e+004

-765	-765	-765	185
-765	-765	216	-765
-765	-765	216	-765
-765	-765	-765	185
-765	-765	-765	185
-765	-765	-765	185
-765	216	-765	-765
185	-765	-765	-765
-765	-765	116	85
-765	-765	116	85
185	-765	-765	-765
185	-765	-765	-765
-765	-765	-765	185
-765	216	-765	-765
-765	216	-765	-765

ALPHABET= ACGT

>srsc10_014. 6

log-odds matrix: alength= 4 w= 11 n= 931 bayes= 8. 85953 E= 1. 5e+005

-765	-765	216	-765
-765	-765	-765	185
-765	-765	-765	185
-765	-765	-765	185
-765	116	-765	85
85	-765	-765	85
-765	116	116	-765
185	-765	-765	-765
-765	-765	216	-765
-765	-765	-765	185
-765	-765	-765	185

ALPHABET= ACGT

>srsc10_014. 8

log-odds matrix: alength= 4 w= 11 n= 931 bayes= 8. 85953 E= 3. 1e+005

74203Suppl emental _CNSmatri ces. pssm. txt

```

-765 216 -765 -765
185 -765 -765 -765
185 -765 -765 -765
85 116 -765 -765
85 -765 -765 85
-765 -765 -765 185
85 -765 -765 85
85 -765 116 -765
185 -765 -765 -765
-765 -765 216 -765

```

ALPHABET= ACGT

>srsc1_001.4

log-odds matrix: alength= 4 w= 20 n= 1416 bayes= 8.87958 E= 2.2e+005

```

174 -823 -823 -823
174 -823 -823 -823
-823 73 -823 115
174 -823 -823 -823
-823 231 -823 -823
-158 99 -158 53
-823 231 -823 -823
16 173 -823 -823
53 -158 -158 53
-158 -158 -158 136
-823 -823 -823 174
115 -823 73 -823
174 -823 -823 -823
16 173 -823 -823
-823 231 -823 -823
115 -823 -823 16
-823 -823 -823 174
174 -823 -823 -823
16 -823 -823 115
174 -823 -823 -823

```

ALPHABET= ACGT

>srsc1_001.5

log-odds matrix: alength= 4 w= 10 n= 1446 bayes= 8.90989 E= 2.1e+005

```

-823 -823 231 -823
16 -823 73 16
16 173 -823 -823
115 -823 -823 16
-823 -823 -823 174
-823 231 -823 -823
174 -823 -823 -823
174 -823 -823 -823
174 -823 -823 -823
-823 -823 231 -823

```

ALPHABET= ACGT

>srsc10_017.1

log-odds matrix: alength= 4 w= 15 n= 490 bayes= 7.93074 E= 8.2e+002

```

-765 270 -765 -765
-765 170 -765 53
152 -765 -765 -765
-765 -765 -765 152
-765 -765 270 -765
-765 -765 270 -765
-765 270 -765 -765

```

74203Suppl emental _CNSmatri ces. pssm. txt

53	-765	-765	53
-765	-765	-765	152
-765	-765	270	-765
152	-765	-765	-765
152	-765	-765	-765
152	-765	-765	-765
152	-765	-765	-765
-765	-765	270	-765

ALPHABET= ACGT

>srsc10_017. 2

log-odds matrix: alength= 4 w= 11 n= 498 bayes= 7. 9542 E= 1. 7e+003

-765	-765	270	-765
-765	-765	-765	152
-765	-765	-765	152
152	-765	-765	-765
-765	-765	270	-765
-765	-765	270	-765
-765	-765	-765	152
53	-765	-765	53
53	-765	-765	53
-765	-765	270	-765
-765	-765	270	-765

ALPHABET= ACGT

>srsc10_017. 5

log-odds matrix: alength= 4 w= 12 n= 496 bayes= 7. 94837 E= 5. 5e+003

-765	-765	270	-765
-765	-765	270	-765
53	170	-765	-765
-765	-765	-765	152
53	-765	-765	53
-765	170	170	-765
-765	170	170	-765
152	-765	-765	-765
53	-765	-765	53
152	-765	-765	-765
-765	-765	-765	152
-765	-765	270	-765

ALPHABET= ACGT

>srsc1_001. 7

log-odds matrix: alength= 4 w= 15 n= 1431 bayes= 8. 89482 E= 1. 1e+006

174	-823	-823	-823
174	-823	-823	-823
115	-823	-823	16
-823	-823	231	-823
174	-823	-823	-823
174	-823	-823	-823
-823	-823	-823	174
53	-158	99	-158
-823	73	173	-823
16	73	-823	16
-823	73	173	-823
16	-823	-823	115
-823	173	-823	16
174	-823	-823	-823
-823	-823	-823	174

74203Suppl emental _CNSmatri ces. pssm. txt

ALPHABET= ACGT

>srsc10_018. 1

log-odds matri x: alength= 4 w= 37 n= 254 bayes= 6. 97728 E= 1. 8e+001

189	-765	-765	-765
-765	210	-765	-765
189	-765	-765	-765
189	-765	-765	-765
-765	-765	210	-765
-765	210	-765	-765
189	-765	-765	-765
189	-765	-765	-765
-765	-765	210	-765
189	-765	-765	-765
-765	-765	-765	189
-765	-765	-765	189
-765	111	111	-765
189	-765	-765	-765
-765	-765	210	-765
-765	-765	-765	189
-765	-765	-765	189
-765	-765	-765	189
-765	-765	-765	189
-765	-765	-765	189
189	-765	-765	-765
189	-765	-765	-765
-765	-765	210	-765
-765	-765	-765	189
-765	-765	210	-765
-765	-765	-765	189
-765	-765	210	-765
-765	-765	210	-765
90	-765	-765	90
-765	-765	210	-765
-765	-765	210	-765
-765	-765	-765	189
-765	210	-765	-765
189	-765	-765	-765
-765	-765	-765	189
-765	-765	210	-765

ALPHABET= ACGT

>srsc10_018. 2

log-odds matri x: alength= 4 w= 12 n= 304 bayes= 7. 2384 E= 3. 2e+002

-765	210	-765	-765
-765	-765	-765	189
189	-765	-765	-765
-765	210	-765	-765
-765	-765	-765	189
-765	-765	210	-765
-765	210	-765	-765
189	-765	-765	-765
-765	-765	210	-765
-765	210	-765	-765
-765	210	-765	-765
-765	210	-765	-765

ALPHABET= ACGT

>srsc10_018. 3

log-odds matri x: alength= 4 w= 21 n= 286 bayes= 7. 14975 E= 4. 7e+002

189	-765	-765	-765
-----	------	------	------

74203Suppl emental _CNSmatri ces. pssm. txt

```

-765 -765 210 -765
-765 210 -765 -765
189 -765 -765 -765
90 -765 111 -765
-765 -765 210 -765
-765 210 -765 -765
-765 -765 -765 189
-765 -765 210 -765
189 -765 -765 -765
189 -765 -765 -765
-765 -765 -765 189
-765 -765 210 -765
-765 -765 -765 189
-765 210 -765 -765
-765 210 -765 -765
-765 111 -765 90
189 -765 -765 -765
189 -765 -765 -765
-765 -765 -765 189
-765 210 -765 -765

```

ALPHABET= ACGT

>srsc10_018. 4

log-odds matrix: alength= 4 w= 29 n= 270 bayes= 7.06609 E= 2.1e+003

```

-765 210 -765 -765
-765 111 111 -765
189 -765 -765 -765
189 -765 -765 -765
189 -765 -765 -765
-765 -765 210 -765
-765 -765 210 -765
-765 111 -765 90
189 -765 -765 -765
189 -765 -765 -765
189 -765 -765 -765
-765 -765 210 -765
-765 111 -765 90
-765 -765 -765 189
-765 -765 210 -765
-765 -765 -765 189
90 -765 111 -765
189 -765 -765 -765
-765 -765 210 -765
-765 111 -765 90
-765 -765 -765 189
-765 210 -765 -765
90 -765 -765 90
189 -765 -765 -765
90 111 -765 -765
-765 -765 -765 189
-765 210 -765 -765
189 -765 -765 -765
-765 -765 210 -765

```

ALPHABET= ACGT

>srsc1_003. 2

log-odds matrix: alength= 4 w= 14 n= 569 bayes= 7.5597 E= 2.7e+004

```

-823 -823 219 -823
-823 -823 -823 182
-823 61 -823 124
-823 -823 -823 182

```

74203Suppl emental _CNSmatri ces. pssm. txt

```
-823 161 61 -823
-823 -823 -823 182
24 -823 61 24
-823 161 61 -823
-823 -823 61 124
-823 61 -823 124
-823 219 -823 -823
-823 -823 61 124
-823 -823 -823 182
-823 -823 219 -823
```

ALPHABET= ACGT

>srsc1_003. 4

log-odds matrix: alength= 4 w= 11 n= 578 bayes= 7.58246 E= 3.0e+005

```
-823 -823 -823 182
-823 -823 219 -823
-823 -823 61 124
24 61 -823 24
182 -823 -823 -823
-823 -823 -823 182
24 -823 61 24
-823 161 -823 24
-823 219 -823 -823
24 -823 -823 124
182 -823 -823 -823
```

ALPHABET= ACGT

>srsc1_004. 1

log-odds matrix: alength= 4 w= 14 n= 858 bayes= 7.73809 E= 1.4e+000

```
-865 -865 -865 172
-865 -865 -865 172
130 -865 -865 -28
-865 235 -865 -865
172 -865 -865 -865
-865 -865 -865 172
172 -865 -865 -865
-865 -865 35 130
-865 193 -865 -28
-865 -865 -865 172
-865 -865 -865 172
-865 -865 -865 172
-865 -865 -865 235
-865 -865 -865 172
```

ALPHABET= ACGT

>srsc1_004. 2

log-odds matrix: alength= 4 w= 21 n= 830 bayes= 7.69 E= 6.0e+000

```
-865 -865 35 130
-28 -865 193 -865
-865 -865 -865 172
130 -865 35 -865
-865 -865 235 -865
-865 35 -865 130
72 -865 -865 72
-865 193 35 -865
-865 -865 -865 172
72 -865 -865 72
-865 193 35 -865
-865 193 -865 -28
72 135 -865 -865
```

74203Suppl emental _CNSmatri ces. pssm. txt

```

-28    35   -865    72
-28   -865   -865   130
-865  -865   -865   172
-865  -865   -865   172
-865    35    193  -865
-865   235   -865  -865
-865  -865   -865   172
-865  -865   235  -865

```

ALPHABET= ACGT

>srsc1_004. 3

log-odds matrix: alength= 4 w= 11 n= 870 bayes= 7.75822 E= 2.1e+004

```

-865  -865   -865   172
-28   -865   -865   130
-865  -865   235  -865
-865  -865   235  -865
-865   135   -865    72
-28   -865    35    72
-865    35   -865   130
-865  -865   193  -28
-865  -865   -865   172
-865  -865   -865   172
 172  -865   -865  -865

```

ALPHABET= ACGT

>srsc1_007. 1

log-odds matrix: alength= 4 w= 17 n= 1378 bayes= 8.42417 E= 1.4e+004

```

 182  -865   -865  -865
-865  -865   -865   182
 141  -865   -865  -17
-865   20   -865   141
-865  -865   -865   182
-865  -865   -865   182
  82  -865    20  -17
 182  -865   -865  -865
-865  -865   -865   182
  82  -865    20  -17
-865  -865   219  -865
 -17  -865   120  -17
-865  -865   -865   182
-865  -865   -865   182
  82  -865    20  -17
-865  -865   -865   182
-865   178   -865  -17

```

ALPHABET= ACGT

>srsc1_007. 3

log-odds matrix: alength= 4 w= 10 n= 1406 bayes= 8.45327 E= 1.7e+009

```

-865  -865   -865   182
 154  -199  -199  -199
 118  -100  -100  -100
  18   134  -199  -199
-199  -199  -199   154
  18  -199   134  -199
-865  -865   -865   182
-199  -199   134    18
-865  -865   219  -865
-199   188  -199  -199

```

ALPHABET= ACGT

>srsc1_007. 5

log-odds matrix: alength= 4 w= 11 n= 1402 bayes= 8. 44915 E= 1. 3e+011

-199	-199	188	-199
18	134	-199	-199
154	-199	-199	-199
154	-199	-199	-199
101	48	-199	-199
154	-199	-199	-199
18	-199	-199	101
-199	48	-199	101
154	-199	-199	-199
-199	-199	-199	154
-199	188	-199	-199

ALPHABET= ACGT

>srsc1_008. 6

log-odds matrix: alength= 4 w= 11 n= 784 bayes= 8. 61102 E= 9. 6e+004

-765	-765	210	-765
-765	110	-765	90
-765	-765	210	-765
189	-765	-765	-765
-765	-765	-765	189
90	-765	110	-765
-765	-765	210	-765
-765	-765	110	90
90	-765	-765	90
-765	-765	210	-765
-765	210	-765	-765

ALPHABET= ACGT

>srsc1_008. 7

log-odds matrix: alength= 4 w= 10 n= 786 bayes= 8. 61471 E= 1. 7e+005

-765	-765	-765	189
189	-765	-765	-765
189	-765	-765	-765
-765	-765	-765	189
90	-765	110	-765
90	-765	-765	90
-765	-765	210	-765
90	-765	110	-765
-765	-765	-765	189
-765	210	-765	-765

ALPHABET= ACGT

>srsc11_002. 1

log-odds matrix: alength= 4 w= 12 n= 1845 bayes= 8. 52356 E= 2. 9e+012

-12	-231	154	-231
162	-231	-231	-231
162	-231	-231	-231
162	-231	-231	-231
123	14	-231	-231
-231	-231	14	123
71	-231	100	-231
-231	-231	14	123
-231	-231	-231	162
123	14	-231	-231
-231	-231	154	-12
-231	193	-231	-231

74203Suppl emental _CNSmatri ces. pssm. txt

ALPHABET= ACGT

>srsc11_003. 5

log-odds matrix: al length= 4 w= 10 n= 779 bayes= 8. 60177 E= 1. 6e+004

171	-765	-765	-765
-765	-765	234	-765
110	-99	-99	-99
-765	234	-765	-765
171	-765	-765	-765
-765	-765	-765	171
-765	-765	-765	171
-765	-765	234	-765
171	-765	-765	-765
-765	234	-765	-765

ALPHABET= ACGT

>srsc11_003. 6

log-odds matrix: al length= 4 w= 12 n= 775 bayes= 8. 59432 E= 2. 5e+004

-765	234	-765	-765
-765	234	-765	-765
72	-765	-765	72
-765	-765	-765	171
-765	234	-765	-765
171	-765	-765	-765
72	-765	134	-765
-765	-765	-765	171
-765	-765	134	72
-765	-765	234	-765
171	-765	-765	-765
-765	-765	234	-765

ALPHABET= ACGT

>srsc11_003. 9

log-odds matrix: al length= 4 w= 13 n= 773 bayes= 8. 59059 E= 4. 0e+004

-765	-765	234	-765
-765	-765	234	-765
-765	234	-765	-765
-765	-765	-765	171
-765	134	-765	72
72	-765	134	-765
-765	-765	-765	171
-765	-765	-765	171
-765	-765	-765	171
-765	-765	-765	171
72	-765	-765	72
-765	234	-765	-765
-765	-765	-765	171

ALPHABET= ACGT

>srsc11_004. 3

log-odds matrix: al length= 4 w= 12 n= 723 bayes= 8. 49386 E= 9. 5e+003

-765	-765	245	-765
-765	-765	-765	165
65	-765	145	-765
-765	-765	-765	165
-765	-765	245	-765
-765	-765	-765	165
165	-765	-765	-765
-765	-765	-765	165
165	-765	-765	-765

74203Suppl emental _CNSmatri ces. pssm. txt

-765	245	-765	-765
-765	245	-765	-765
-765	-765	-765	165

ALPHABET= ACGT

>srsc11_004. 4

log-odds matri x: al engh= 4 w= 11 n= 725 bayes= 8. 49785 E= 9. 6e+003

-765	245	-765	-765
-765	-765	-765	165
-765	-765	-765	165
-765	-765	-765	165
-765	-765	-765	165
-765	-765	245	-765
-765	-765	-765	165
-765	-765	145	65
-765	-765	245	-765
165	-765	-765	-765
-765	245	-765	-765

ALPHABET= ACGT

>srsc11_004. 8

log-odds matri x: al engh= 4 w= 13 n= 721 bayes= 8. 48985 E= 1. 7e+004

-765	-765	-765	165
-765	-765	245	-765
-765	245	-765	-765
65	-765	-765	65
-765	-765	245	-765
-765	-765	-765	165
-765	-765	-765	165
165	-765	-765	-765
-765	145	-765	65
-765	245	-765	-765
165	-765	-765	-765
-765	-765	-765	165
165	-765	-765	-765

ALPHABET= ACGT

>srsc11_006. 10

log-odds matri x: al engh= 4 w= 11 n= 1530 bayes= 8. 99152 E= 2. 5e+005

-823	-823	-823	166
-823	-823	-823	166
-823	243	-823	-823
-823	85	-823	108
-823	-823	85	108
-823	-823	-823	166
-823	-823	-823	166
-823	-823	-823	166
108	85	-823	-823
-823	-823	-823	166
-823	-823	243	-823

ALPHABET= ACGT

>srsc11_006. 2

log-odds matri x: al engh= 4 w= 15 n= 1518 bayes= 8. 98014 E= 2. 8e+004

-823	-823	-823	166
-823	-823	243	-823
108	85	-823	-823
-823	-823	-823	166
-823	-823	243	-823

74203Suppl emental _CNSmatri ces. pssm. txt

```

-823 -823 243 -823
108 85 -823 -823
-823 -823 -823 166
166 -823 -823 -823
166 -823 -823 -823
8 85 -823 8
-823 -823 85 108
108 -823 85 -823
-823 -823 243 -823
166 -823 -823 -823

```

ALPHABET= ACGT

>srsc11_006.3

log-odds matrix: alength= 4 w= 11 n= 1530 bayes= 8.99152 E= 3.3e+004

```

-823 -823 -823 166
-823 -823 -823 166
-823 243 -823 -823
166 -823 -823 -823
-823 -823 85 108
-823 -823 -823 166
-823 -823 -823 166
-823 85 85 8
-823 -823 243 -823
-823 -823 -823 166
-823 -823 243 -823

```

ALPHABET= ACGT

>srsc11_006.4

log-odds matrix: alength= 4 w= 10 n= 1533 bayes= 8.99435 E= 2.2e+004

```

-823 -823 243 -823
-823 -823 -823 166
-823 -823 -823 166
-823 -823 -823 166
-823 185 85 -823
166 -823 -823 -823
8 -823 -823 108
-823 -823 -823 166
-823 -823 243 -823
-823 -823 243 -823

```

ALPHABET= ACGT

>srsc11_006.5

log-odds matrix: alength= 4 w= 20 n= 1503 bayes= 8.96578 E= 4.0e+004

```

-823 -823 243 -823
-823 185 85 -823
166 -823 -823 -823
-823 -823 -823 166
-823 243 -823 -823
166 -823 -823 -823
129 -158 -158 -158
8 -823 185 -823
8 -823 85 8
-823 -823 -823 166
-823 -823 85 108
-823 -823 -823 166
-823 243 -823 -823
-823 -823 -823 166
108 -823 85 -823
-823 185 -823 8
8 85 -823 8

```

74203Suppl emental _CNSmatri ces. pssm. txt

-823	-823	-823	166
8	-823	-823	108
-823	243	-823	-823

ALPHABET= ACGT

>srsc11_006.6

log-odds matrix: alength= 4 w= 10 n= 1533 bayes= 8.99435 E= 7.4e+004

166	-823	-823	-823
166	-823	-823	-823
-823	-823	243	-823
-823	243	-823	-823
-823	-823	-823	166
166	-823	-823	-823
-823	85	185	-823
108	-823	-823	8
-823	-823	-823	166
-823	-823	-823	166

ALPHABET= ACGT

>srsc11_006.7

log-odds matrix: alength= 4 w= 15 n= 1518 bayes= 8.98014 E= 1.6e+005

-823	-823	-823	166
-823	185	85	-823
8	185	-823	-823
-823	-823	-823	166
-823	-823	243	-823
-823	-823	243	-823
8	85	85	-823
166	-823	-823	-823
-823	-823	85	108
8	185	-823	-823
-823	-823	-823	166
-823	185	85	-823
166	-823	-823	-823
108	85	-823	-823
166	-823	-823	-823

ALPHABET= ACGT

>srsc11_006.8

log-odds matrix: alength= 4 w= 11 n= 1530 bayes= 8.99152 E= 1.8e+005

-823	-823	243	-823
-823	185	-823	8
-823	-823	-823	166
-823	185	-823	8
-823	-823	85	108
-823	-823	-823	166
-823	-823	243	-823
8	-823	85	8
-823	-823	-823	166
-823	243	-823	-823
166	-823	-823	-823

ALPHABET= ACGT

>srsc11_006.9

log-odds matrix: alength= 4 w= 10 n= 1533 bayes= 8.99435 E= 2.1e+005

-823	-823	-823	166
-823	-823	185	8
-823	185	-823	8
-823	-823	-823	166

74203Suppl emental _CNSmatri ces. pssm. txt

-823	-823	85	108
166	-823	-823	-823
-823	-823	243	-823
-823	243	-823	-823
166	-823	-823	-823
-823	-823	-823	166

ALPHABET= ACGT

>srsc11_007. 1

log-odds matri x: al ength= 4 w= 28 n= 1080 bayes= 8. 07146 E= 6. 7e-001

-865	-865	229	-865
-865	-865	-865	175
175	-865	-865	-865
175	-865	-865	-865
-865	-865	188	-25
-865	-865	-865	175
134	30	-865	-865
-865	-865	-865	175
-865	-865	30	134
-865	-865	229	-865
75	30	30	-865
-865	-865	-865	175
-865	188	-865	-25
175	-865	-865	-865
-865	-865	188	-25
-865	-865	188	-25
-865	30	188	-865
134	-865	-865	-25
-25	130	-865	-25
134	-865	-865	-25
-865	-865	-865	175
-25	30	130	-865
-25	-865	188	-865
-25	-865	-865	134
-865	30	-865	134
75	30	-865	-25
175	-865	-865	-865
-865	-865	-865	175

ALPHABET= ACGT

>srsc11_007. 5

log-odds matri x: al ength= 4 w= 12 n= 1144 bayes= 8. 15482 E= 2. 3e+010

-199	197	-199	-199
95	56	-199	-199
-199	56	-199	95
95	56	-199	-199
-199	-199	-199	147
-199	56	-199	95
-199	-199	-199	147
-199	-199	-199	147
13	143	-199	-199
-199	197	-199	-199
147	-199	-199	-199
-199	-199	197	-199

ALPHABET= ACGT

>srsc11_007. 7

log-odds matri x: al ength= 4 w= 21 n= 1108 bayes= 8. 10852 E= 4. 4e+010

147	-199	-199	-199
-199	-199	-199	147

74203Suppl emental _CNSmatri ces. pssm. txt

```

-199    56   -199    95
-199    56   143   -199
  95   -199    56   -199
-199    56   -199    95
  13   -199   -199    95
  13   -199   -199    95
 147   -199   -199   -199
  95   -199   -199    13
-199   -199   -199   147
-199   -199   -199   147
-199    56    56    13
  95   -199    56   -199
 147   -199   -199   -199
 147   -199   -199   -199
-199   -199   -199   147
  13   -199    56    13
-199   -199   -199   147
-199   143    56   -199
-199   143   -199    13

```

ALPHABET= ACGT

>srsc11_007. 8

log-odds matrix: alength= 4 w= 11 n= 1148 bayes= 8. 15987 E= 3. 5e+010

```

-199   -199   -199   147
 147   -199   -199   -199
-199   -199   143    13
-199   -199   -199   147
  13   -199   -199    95
-199   -199   -199   147
 147   -199   -199   -199
-199    56   -199    95
-199   -199   -199   147
-199   -199   -199   147
-199   -199   -199   147

```

ALPHABET= ACGT

>srsc11_014. 1

log-odds matrix: alength= 4 w= 36 n= 1066 bayes= 8. 05257 E= 3. 3e+002

```

 186   -865   -865   -865
  -14   -865    15    86
-865   -865   -865   186
 186   -865   -865   -865
  -14    15    15   -14
  86   -865   -865    86
-865   115   115   -865
 186   -865   -865   -865
  86    15   -865   -14
-865   115   115   -865
-865   -865   -865   186
-865   115    15   -14
 144    15   -865   -865
  86   -865   -865    86
-865   215   -865   -865
 186   -865   -865   -865
  -14   -865   115   -14
-199    44    44    21
-865   -865   -865   186
  86   -865   115   -865
 186   -865   -865   -865
  86   -865   115   -865
 186   -865   -865   -865

```

74203Suppl emental _CNSmatri ces. pssm. txt

```

-865 15 -865 144
105 -199 -199 21
-14 15 115 -865
186 -865 -865 -865
186 -865 -865 -865
186 -865 -865 -865
21 -199 130 -199
144 15 -865 -865
-14 115 15 -865
-199 184 -199 -199
86 -865 -865 86
186 -865 -865 -865
-865 15 -865 144

```

ALPHABET= ACGT

>srsc11_014. 2

log-odds matrix: alength= 4 w= 10 n= 1170 bayes= 8.18735 E= 3.8e+005

```

186 -865 -865 -865
-865 -865 115 86
-865 -865 115 86
-14 115 -865 -14
-865 215 -865 -865
186 -865 -865 -865
-865 -865 215 -865
-865 -865 215 -865
-865 -865 15 144
144 15 -865 -865

```

ALPHABET= ACGT

>srsc11_017. 1

log-odds matrix: alength= 4 w= 14 n= 1230 bayes= 8.67596 E= 1.8e+004

```

175 -823 -823 -823
-823 -823 230 -823
-823 -823 -823 175
-823 72 72 16
-823 -823 -823 175
136 -158 -158 -158
16 -823 171 -823
-823 -823 -823 175
-823 -823 -823 175
-823 -823 230 -823
-823 230 -823 -823
175 -823 -823 -823
-823 171 -823 16
-823 -823 -823 175

```

ALPHABET= ACGT

>srsc11_017. 2

log-odds matrix: alength= 4 w= 13 n= 1233 bayes= 8.67948 E= 6.6e+004

```

-823 -823 -823 175
-823 -823 -823 175
-823 -823 -823 175
175 -823 -823 -823
-823 -823 -823 175
175 -823 -823 -823
-823 -823 -823 175
116 -823 -823 16
-823 -823 -823 175
-823 -823 230 -823
-823 171 -823 16

```

74203Suppl emental _CNSmatri ces. pssm. txt

```
-823 72 -823 116
-823 -823 -823 175
```

ALPHABET= ACGT

>srsc11_017.5

log-odds matrix: alength= 4 w= 14 n= 1230 bayes= 8.67596 E= 3.2e+006

```
-823 -823 230 -823
-823 -823 -823 175
175 -823 -823 -823
16 -823 -823 116
-823 -823 -823 175
16 72 -823 16
16 -823 -823 116
16 72 -823 16
-823 171 72 -823
-823 -823 -823 175
116 -823 -823 16
16 72 72 -823
-823 230 -823 -823
175 -823 -823 -823
```

ALPHABET= ACGT

>srsc11_017.6

log-odds matrix: alength= 4 w= 15 n= 1227 bayes= 8.67243 E= 5.1e+008

```
-823 -823 230 -823
116 -823 -823 16
116 -823 -823 16
-158 -158 185 -158
54 -158 -158 54
-158 185 -158 -158
-158 185 -158 -158
-158 98 98 -158
136 -158 -158 -158
-158 98 98 -158
-158 -158 -158 136
-158 -158 -158 136
-158 -158 -158 136
-158 -158 -158 136
-158 -158 185 -158
```

ALPHABET= ACGT

>srsc11_024.1

log-odds matrix: alength= 4 w= 27 n= 1105 bayes= 8.52095 E= 3.0e+004

```
-823 -823 -823 160
-823 -823 -823 160
-823 -823 -823 160
-158 208 -158 -158
-823 -823 -823 160
2 -823 196 -823
160 -823 -823 -823
102 -823 -823 2
-158 208 -158 -158
160 -823 -823 -823
-158 208 -158 -158
2 196 -823 -823
160 -823 -823 -823
-823 -823 254 -823
2 196 -823 -823
2 96 -823 2
-823 -823 196 2
```


74203Suppl emental _CNSmatri ces. pssm. txt

-823	-823	-823	160
160	-823	-823	-823
2	96	-823	2
160	-823	-823	-823
2	-823	196	-823
-823	-823	-823	160
-823	-823	-823	160
43	119	-158	-158
-823	-823	-823	160
-823	-823	254	-823

ALPHABET= ACGT

>srsc11_024. 2

log-odds matrix: al ength= 4 w= 11 n= 1153 bayes= 8. 58246 E= 4. 1e+004

-823	-823	-823	160
-823	254	-823	-823
160	-823	-823	-823
160	-823	-823	-823
160	-823	-823	-823
160	-823	-823	-823
-823	254	-823	-823
2	96	-823	2
-158	-158	208	-158
-823	96	-823	102
-823	254	-823	-823

ALPHABET= ACGT

>srsc11_024. 3

log-odds matrix: al ength= 4 w= 10 n= 1156 bayes= 8. 58621 E= 9. 0e+004

-823	-823	254	-823
-823	96	-823	102
124	-158	-158	-158
2	-823	-823	102
-823	-823	-823	160
-823	-823	254	-823
-823	-823	254	-823
-823	-823	-823	160
-823	-823	-823	160
-823	-823	-823	160

ALPHABET= ACGT

>srsc12_003. 1

log-odds matrix: al ength= 4 w= 21 n= 1518 bayes= 8. 24127 E= 7. 2e+002

-897	-897	-897	182
-897	187	-12	-897
182	-897	-897	-897
-897	146	-897	50
-897	-12	-897	150
150	-897	-12	-897
-897	-12	146	-49
-897	87	-897	109
-897	-897	-897	182
-897	-12	-12	109
-49	-897	-897	150
-49	-12	146	-897
-897	-897	-897	182
-897	87	-897	109
-897	-897	-12	150
-897	-12	-897	150
50	146	-897	-897

74203Suppl emental _CNSmatri ces. pssm. txt

109	-897	-897	50
-897	-897	-897	182
50	-897	-897	109
-897	-897	-897	182

ALPHABET= ACGT

>srsc12_006. 3

log-odds matrix: alength= 4 w= 11 n= 1001 bayes= 8. 37793 E= 3. 3e+006

-823	-823	227	-823
-158	183	-158	-158
55	-158	96	-158
18	-823	169	-823
-823	169	69	-823
138	-158	-158	-158
-58	119	-58	-58
-823	-823	-823	177
-823	-823	227	-823
138	-158	-158	-158
177	-823	-823	-823

ALPHABET= ACGT

>srsc12_007. 1

log-odds matrix: alength= 4 w= 16 n= 1025 bayes= 8. 99859 E= 2. 5e+004

-765	-765	-765	175
-765	-765	229	-765
75	-765	-765	75
175	-765	-765	-765
-765	-765	-765	175
-765	-765	229	-765
-765	-765	229	-765
-765	-765	-765	175
-765	-765	229	-765
75	-765	129	-765
-765	-765	129	75
-765	-765	229	-765
175	-765	-765	-765
-765	-765	-765	175
-765	-765	229	-765
175	-765	-765	-765

ALPHABET= ACGT

>srsc12_007. 3

log-odds matrix: alength= 4 w= 11 n= 1035 bayes= 9. 01262 E= 4. 9e+004

175	-765	-765	-765
175	-765	-765	-765
175	-765	-765	-765
175	-765	-765	-765
-765	-765	229	-765
-765	-765	-765	175
175	-765	-765	-765
-765	-765	129	75
-765	-765	-765	175
-765	-765	229	-765
-765	229	-765	-765

ALPHABET= ACGT

>srsc12_007. 5

log-odds matrix: alength= 4 w= 11 n= 1035 bayes= 9. 01262 E= 8. 4e+004

-765	-765	229	-765
------	------	-----	------

74203Suppl emental _CNSmatri ces. pssm. txt

75	129	-765	-765
-765	229	-765	-765
-765	-765	-765	175
175	-765	-765	-765
-765	-765	-765	175
-765	-765	229	-765
75	-765	129	-765
-765	-765	129	75
175	-765	-765	-765
-765	-765	229	-765

ALPHABET= ACGT

>srsc12_007. 6

log-odds matrix: al ength= 4 w= 11 n= 1035 bayes= 9. 01262 E= 9. 1e+004

-765	-765	-765	175
-765	-765	-765	175
175	-765	-765	-765
-765	-765	129	75
175	-765	-765	-765
75	-765	-765	75
-765	-765	229	-765
-765	229	-765	-765
175	-765	-765	-765
-765	-765	-765	175
-765	229	-765	-765

ALPHABET= ACGT

>srsc12_007. 7

log-odds matrix: al ength= 4 w= 11 n= 1035 bayes= 9. 01262 E= 9. 5e+004

-765	229	-765	-765
75	129	-765	-765
-765	-765	-765	175
175	-765	-765	-765
-765	-765	229	-765
-765	129	-765	75
175	-765	-765	-765
-765	129	129	-765
175	-765	-765	-765
-765	-765	-765	175
-765	-765	229	-765

ALPHABET= ACGT

>srsc12_007. 8

log-odds matrix: al ength= 4 w= 11 n= 1035 bayes= 9. 01262 E= 1. 6e+005

175	-765	-765	-765
-765	-765	229	-765
75	-765	-765	75
175	-765	-765	-765
-765	129	-765	75
175	-765	-765	-765
-765	-765	229	-765
175	-765	-765	-765
175	-765	-765	-765
112	-99	-99	-99
-765	229	-765	-765

ALPHABET= ACGT

>srsc12_007. 9

log-odds matrix: al ength= 4 w= 10 n= 1037 bayes= 9. 01542 E= 1. 5e+005

74203Suppl emental _CNSmatri ces. pssm. txt

```
-765 229 -765 -765
 75 129 -765 -765
 75 -765 129 -765
 175 -765 -765 -765
-765 -765 229 -765
 175 -765 -765 -765
-765 -765 -765 175
-765 -765 -765 175
-765 -765 -765 175
 175 -765 -765 -765
```

ALPHABET= ACGT

>srsc12_023. 2

log-odds matrix: al ength= 4 w= 10 n= 635 bayes= 8. 30606 E= 6. 5e+003

```
-765 224 -765 -765
 178 -765 -765 -765
 178 -765 -765 -765
-765 224 -765 -765
 178 -765 -765 -765
 178 -765 -765 -765
 178 -765 -765 -765
-765 -765 -765 178
-765 224 -765 -765
-765 224 -765 -765
```

ALPHABET= ACGT

>srsc12_023. 3

log-odds matrix: al ength= 4 w= 21 n= 613 bayes= 8. 25503 E= 1. 6e+004

```
-765 -765 224 -765
-765 -765 -765 178
 178 -765 -765 -765
-765 -765 -765 178
-765 -765 -765 178
 79 124 -765 -765
-765 -765 -765 178
-765 -765 -765 178
-765 -765 -765 178
-765 -765 -765 178
-765 224 -765 -765
 178 -765 -765 -765
-765 124 -765 79
-765 124 -765 79
-765 224 -765 -765
-765 224 -765 -765
 178 -765 -765 -765
-765 -765 -765 178
-765 -765 -765 178
-765 -765 -765 178
-765 -765 -765 178
```

ALPHABET= ACGT

>srsc12_023. 4

log-odds matrix: al ength= 4 w= 21 n= 613 bayes= 8. 25503 E= 1. 7e+004

```
-765 -765 224 -765
-765 -765 -765 178
 178 -765 -765 -765
 178 -765 -765 -765
 178 -765 -765 -765
-765 -765 -765 178
 178 -765 -765 -765
```

74203Suppl emental _CNSmatri ces. pssm. txt

-765	124	124	-765
-765	124	-765	79
-765	-765	-765	178
178	-765	-765	-765
178	-765	-765	-765
178	-765	-765	-765
-765	-765	-765	178
-765	-765	224	-765
-765	-765	124	79
-765	-765	-765	178
178	-765	-765	-765
-765	224	-765	-765
178	-765	-765	-765
-765	-765	-765	178

ALPHABET= ACGT

>srs12_024. 3

log-odds matrix: al engh= 4 w= 12 n= 595 bayes= 8. 21189 E= 3. 7e+004

-765	211	-765	-765
189	-765	-765	-765
-765	-765	-765	189
-765	-765	-765	189
-765	211	-765	-765
-765	111	-765	89
89	-765	-765	89
-765	-765	-765	189
-765	211	-765	-765
189	-765	-765	-765
-765	-765	-765	189
-765	-765	-765	189

ALPHABET= ACGT

>srs2_002. 1

log-odds matrix: al engh= 4 w= 24 n= 1908 bayes= 8. 89482 E= 1. 3e+000

-865	32	-865	132
-865	190	-865	-26
132	-865	32	-865
174	-865	-865	-865
-865	231	-865	-865
-865	231	-865	-865
-26	-865	-865	132
74	32	-865	-26
-865	-865	-865	174
-865	-865	231	-865
-865	32	-865	132
-865	-865	-865	174
-865	-865	231	-865
174	-865	-865	-865
-865	231	-865	-865
-199	-199	-199	146
132	-865	32	-865
-26	-865	190	-865
174	-865	-865	-865
-865	32	132	-26
-865	-865	132	74
174	-865	-865	-865
-865	190	32	-865
-865	190	-865	-26

ALPHABET= ACGT

74203Suppl emental _CNSmatri ces. pssm. txt

>srsc2_002. 2

log-odds matrix: alength= 4 w= 29 n= 1888 bayes= 8. 87958 E= 5. 9e+003

-865	190	32	-865
-26	132	-865	-26
-865	-865	-865	174
-865	-865	231	-865
-865	132	-865	74
-26	132	-865	-26
-26	-865	-865	132
-865	190	32	-865
146	-199	-199	-199
-865	-865	-865	174
-865	231	-865	-865
74	-865	132	-865
-865	32	190	-865
-26	-865	132	-26
-26	-865	132	-26
-26	-865	190	-865
74	32	32	-865
174	-865	-865	-865
74	32	-865	-26
-865	-865	32	132
-865	132	132	-865
174	-865	-865	-865
174	-865	-865	-865
-865	132	32	-26
-865	132	-865	74
-865	-865	-865	174
-865	32	132	-26
-865	32	190	-865
-865	-865	-865	174

ALPHABET= ACGT

>srsc2_002. 3

log-odds matrix: alength= 4 w= 11 n= 1960 bayes= 8. 93369 E= 5. 4e+004

-865	190	32	-865
-26	-865	-865	132
132	-865	32	-865
-865	-865	-865	174
-865	231	-865	-865
-199	-199	-199	146
-865	-865	231	-865
-865	32	-865	132
-865	-865	-865	174
174	-865	-865	-865
-865	-865	231	-865

ALPHABET= ACGT

>srsc2_002. 5

log-odds matrix: alength= 4 w= 10 n= 1964 bayes= 8. 93664 E= 9. 2e+004

-865	-865	-865	174
-865	231	-865	-865
-865	231	-865	-865
132	-865	-865	-26
-26	-865	132	-26
-26	-865	-865	132
-865	-865	-865	174
-865	-865	-865	174
-865	-865	-865	174
-865	-865	231	-865

ALPHABET= ACGT

>srsc2_002. 6

log-odds matrix: alength= 4 w= 10 n= 1964 bayes= 8.93664 E= 4.6e+005

-865	190	-865	-26
-865	-865	-865	174
-26	-865	-865	132
-26	-865	190	-865
174	-865	-865	-865
-865	231	-865	-865
-865	-865	-865	174
174	-865	-865	-865
-865	-865	-865	174
-865	32	-865	132

ALPHABET= ACGT

>srsc2_002. 7

log-odds matrix: alength= 4 w= 11 n= 1960 bayes= 8.93369 E= 1.5e+006

-865	231	-865	-865
-865	231	-865	-865
132	32	-865	-865
-865	-865	-865	174
132	-865	-865	-26
132	32	-865	-865
174	-865	-865	-865
-26	32	-865	74
-26	190	-865	-865
132	-865	-865	-26
-865	-865	231	-865

ALPHABET= ACGT

>srsc2_002. 9

log-odds matrix: alength= 4 w= 11 n= 1960 bayes= 8.93369 E= 4.9e+007

-865	-865	-865	174
-26	-865	132	-26
-26	132	32	-865
-865	-865	-865	174
174	-865	-865	-865
-865	-865	-865	174
-26	190	-865	-865
12	145	-199	-199
-865	-865	-865	174
132	32	-865	-865
-865	190	-865	-26

ALPHABET= ACGT

>srsc2_007. 10

log-odds matrix: alength= 4 w= 10 n= 1466 bayes= 8.51373 E= 5.1e+006

-865	-865	-865	168
-865	-865	-865	168
68	140	-865	-865
-865	-865	41	127
-865	41	-865	127
168	-865	-865	-865
-865	-865	240	-865
-32	-865	-865	127
-865	-865	41	127
-865	-865	-865	168

ALPHABET= ACGT

>srsc2_007.1

log-odds matrix: alength= 4 w= 29 n= 1390 bayes= 8.43671 E= 1.5e+001

168	-865	-865	-865
168	-865	-865	-865
-865	41	199	-865
68	-865	-865	68
127	-865	-865	-32
68	41	41	-865
-865	-865	-865	168
-865	-865	240	-865
-32	-865	41	68
127	-865	-865	-32
-865	-865	199	-32
-865	41	140	-32
-32	41	41	-32
-865	140	-865	68
-865	199	-865	-32
-865	-865	-865	168
-32	-865	-865	127
-865	41	-865	127
-865	240	-865	-865
-865	-865	-865	168
-865	-865	240	-865
-865	240	-865	-865
68	-865	-865	68
168	-865	-865	-865
-32	-865	140	-32
127	-865	-865	-32
-865	-865	240	-865
-32	-865	-865	127
168	-865	-865	-865

ALPHABET= ACGT

>srsc2_007.2

log-odds matrix: alength= 4 w= 29 n= 1390 bayes= 8.43671 E= 1.5e+001

-865	-865	240	-865
-865	41	41	68
-865	-865	199	-32
-32	199	-865	-865
-32	-865	-865	127
-32	41	-865	68
-865	41	-865	127
-865	-865	240	-865
-865	-865	240	-865
168	-865	-865	-865
-865	-865	-865	168
-865	-865	-865	168
-865	-865	-865	168
-865	41	199	-865
-865	-865	-865	168
68	41	41	-865
-865	-865	-865	168
-32	-865	140	-32
-32	140	-865	-32
-32	140	-865	-32
127	-865	-865	-32
127	-865	41	-865
-865	140	140	-865
7	-199	65	7
-32	-865	199	-865
127	-865	41	-865

74203Suppl emental _CNSmatri ces. pssm. txt

-865	-865	240	-865
127	-865	41	-865
-865	-865	240	-865

ALPHABET= ACGT

>srsc2_007.3

log-odds matrix: alength= 4 w= 14 n= 1450 bayes= 8.49785 E= 1.1e+003

-865	-865	-865	168
-199	65	65	7
-865	-865	-865	168
-865	140	-865	68
-865	-865	-865	168
-865	-865	240	-865
-865	-865	-865	168
-865	-865	-865	168
-865	199	41	-865
168	-865	-865	-865
168	-865	-865	-865
168	-865	-865	-865
-32	-865	-865	127
-865	-865	-865	168

ALPHABET= ACGT

>srsc2_007.5

log-odds matrix: alength= 4 w= 11 n= 1462 bayes= 8.50978 E= 1.3e+005

-865	-865	240	-865
-32	-865	-865	127
-865	-865	240	-865
168	-865	-865	-865
127	-865	41	-865
-865	-865	-865	168
168	-865	-865	-865
-32	-865	-865	127
-865	-865	-865	168
89	-199	-199	7
168	-865	-865	-865

ALPHABET= ACGT

>srsc2_007.6

log-odds matrix: alength= 4 w= 10 n= 1466 bayes= 8.51373 E= 1.4e+005

-865	-865	-865	168
68	-865	41	-32
-865	199	-865	-32
-865	-865	-865	168
-865	-865	-865	168
168	-865	-865	-865
-865	240	-865	-865
168	-865	-865	-865
68	-865	140	-865
-865	-865	-865	168

ALPHABET= ACGT

>srsc2_007.8

log-odds matrix: alength= 4 w= 10 n= 1466 bayes= 8.51373 E= 6.8e+005

-865	-865	240	-865
-865	199	41	-865
168	-865	-865	-865
127	-865	41	-865
-32	-865	-865	127

74203Suppl emental _CNSmatri ces. pssm. txt

-865	-865	240	-865
-865	199	41	-865
-865	41	-865	127
-865	41	41	68
168	-865	-865	-865

ALPHABET= ACGT

>srsc2_011.1

log-odds matrix: alength= 4 w= 15 n= 774 bayes= 8.59246 E= 1.1e+003

-765	-765	222	-765
-765	-765	-765	180
180	-765	-765	-765
-765	222	-765	-765
180	-765	-765	-765
-765	222	-765	-765
-765	222	-765	-765
180	-765	-765	-765
-765	-765	-765	180
-765	-765	222	-765
-765	-765	222	-765
-765	-765	-765	180
180	-765	-765	-765
-765	-765	222	-765
-765	-765	222	-765

ALPHABET= ACGT

>srsc2_011.2

log-odds matrix: alength= 4 w= 24 n= 756 bayes= 8.55842 E= 3.1e+003

-765	222	-765	-765
180	-765	-765	-765
-765	-765	222	-765
-765	-765	-765	180
80	-765	-765	80
180	-765	-765	-765
-765	-765	222	-765
-765	-765	-765	180
-765	222	-765	-765
180	-765	-765	-765
180	-765	-765	-765
-765	-765	222	-765
-765	-765	-765	180
180	-765	-765	-765
-765	-765	222	-765
-765	122	-765	80
-765	222	-765	-765
180	-765	-765	-765
-765	-765	-765	180
-765	-765	222	-765
80	-765	122	-765
-765	-765	222	-765
180	-765	-765	-765
-765	-765	-765	180

ALPHABET= ACGT

>srsc2_011.5

log-odds matrix: alength= 4 w= 14 n= 776 bayes= 8.59619 E= 6.0e+004

180	-765	-765	-765
-765	-765	-765	180
180	-765	-765	-765
-765	-765	-765	180

74203Suppl emental _CNSmatri ces. pssm. txt

-765	-765	-765	180
-765	-765	-765	180
-765	-765	-765	180
-765	-765	-765	180
180	-765	-765	-765
-765	122	-765	80
-765	-765	-765	180
-765	222	-765	-765
-765	-765	-765	180
180	-765	-765	-765

ALPHABET= ACGT

>srsc2_011. 7

log-odds matrix: al ength= 4 w= 13 n= 778 bayes= 8. 59991 E= 7. 8e+004

-765	-765	-765	180
-765	222	-765	-765
180	-765	-765	-765
-765	222	-765	-765
180	-765	-765	-765
80	-765	-765	80
-765	-765	-765	180
80	122	-765	-765
-765	-765	-765	180
-765	-765	-765	180
-765	122	-765	80
-765	222	-765	-765
180	-765	-765	-765

ALPHABET= ACGT

>srsc2_011. 8

log-odds matrix: al ength= 4 w= 10 n= 784 bayes= 8. 61102 E= 1. 5e+005

180	-765	-765	-765
-765	222	-765	-765
180	-765	-765	-765
80	122	-765	-765
180	-765	-765	-765
-765	122	122	-765
-765	122	-765	80
-765	-765	-765	180
180	-765	-765	-765
-765	-765	-765	180

ALPHABET= ACGT

>srsc2_011. 9

log-odds matrix: al ength= 4 w= 11 n= 782 bayes= 8. 60733 E= 9. 9e+004

180	-765	-765	-765
-765	122	122	-765
180	-765	-765	-765
-765	-765	122	80
80	-765	-765	80
180	-765	-765	-765
-765	222	-765	-765
180	-765	-765	-765
180	-765	-765	-765
-765	-765	222	-765
-765	-765	-765	180

ALPHABET= ACGT

>srsc2_012. 1

74203Suppl emental _CNSmatri ces. pssm. txt

log-odds matrix: al length= 4 w= 10 n= 1313 bayes= 8. 35425 E= 9. 8e+003

-865	-865	-865	190
-865	-865	210	-865
149	10	-865	-865
190	-865	-865	-865
-865	-865	-865	190
-10	-865	169	-865
-865	110	-865	90
190	-865	-865	-865
-865	210	-865	-865
190	-865	-865	-865

ALPHABET= ACGT

>srsc2_012. 3

log-odds matrix: al length= 4 w= 10 n= 1313 bayes= 8. 35425 E= 1. 1e+011

161	-199	-199	-199
161	-199	-199	-199
-100	65	-100	52
-199	-199	-199	161
-199	-199	179	-199
25	40	40	-199
52	-100	-100	52
25	126	-199	-199
161	-199	-199	-199
161	-199	-199	-199

ALPHABET= ACGT

>srsc2_014. 1

log-odds matrix: al length= 4 w= 39 n= 1244 bayes= 8. 27612 E= 3. 8e-007

-865	-865	-865	179
-865	24	183	-865
-865	-865	-865	179
79	-865	124	-865
137	-865	-865	-21
-21	183	-865	-865
79	-865	-865	79
-865	-865	-865	179
-21	24	-865	79
-865	-865	-865	179
-865	-865	224	-865
-865	-865	-865	179
-865	-865	224	-865
-865	-865	-865	179
-865	-865	-865	179
-865	-865	-865	179
-865	24	24	79
-865	-865	-865	179
137	-865	24	-865
-865	-865	24	137
-865	-865	-865	179
179	-865	-865	-865
-865	-865	24	137
-865	-865	-865	179
-865	-865	-865	179
-865	24	-865	137
-865	-865	183	-21
79	-865	124	-865
-865	24	-865	137
137	-865	24	-865
79	24	24	-865
-865	-865	-865	179

74203Suppl emental _CNSmatri ces. pssm. txt

-865	-865	24	137
-865	24	183	-865
-865	-865	-865	179
-865	-865	224	-865
-21	183	-865	-865
-865	-865	-865	179
-865	-865	224	-865

ALPHABET= ACGT

>srsc2_014. 2

log-odds matrix: alength= 4 w= 10 n= 1360 bayes= 8. 40514 E= 2. 0e+003

-865	-865	224	-865
-865	-865	-865	179
179	-865	-865	-865
179	-865	-865	-865
-865	-865	224	-865
-21	-865	-865	137
-865	-865	-865	179
179	-865	-865	-865
-199	193	-199	-199
-865	-865	-865	179

ALPHABET= ACGT

>srsc2_014. 3

log-odds matrix: alength= 4 w= 16 n= 1336 bayes= 8. 37938 E= 6. 2e+007

-199	193	-199	-199
-199	139	-199	16
-21	24	124	-865
-865	-865	-865	179
98	-199	52	-199
-865	24	-865	137
79	24	-865	-21
179	-865	-865	-865
-865	-865	124	79
79	-865	124	-865
-865	-865	24	137
179	-865	-865	-865
-865	-865	183	-21
79	-865	24	-21
-865	-865	-865	179
179	-865	-865	-865

ALPHABET= ACGT

>srsc2_014. 4

log-odds matrix: alength= 4 w= 11 n= 1356 bayes= 8. 40088 E= 7. 9e+008

-199	-199	193	-199
-199	-199	-199	151
-199	-199	193	-199
-199	-199	193	-199
-199	-199	-199	151
-199	-199	-199	151
-199	-199	-199	151
98	-199	52	-199
151	-199	-199	-199
-865	-865	-865	179
-865	-865	224	-865

ALPHABET= ACGT

>srsc2_014. 5

74203Suppl emental _CNSmatri ces. pssm. txt

log-odds matrix: alength= 4 w= 11 n= 1356 bayes= 8.40088 E= 8.6e+005

-865	224	-865	-865
-865	-865	-865	179
-865	183	-865	-21
-21	-865	24	79
-865	24	-865	137
79	-865	124	-865
-865	-865	-865	179
137	-865	24	-865
-865	124	-865	79
-865	224	-865	-865
-865	-865	-865	179

ALPHABET= ACGT

>srsc2_016.1

log-odds matrix: alength= 4 w= 10 n= 1133 bayes= 8.14083 E= 1.2e+005

-865	-865	222	-865
-19	-865	122	-19
-865	-865	222	-865
180	-865	-865	-865
-19	-865	181	-865
-865	22	-865	139
-865	-865	-865	180
-865	-865	-865	180
139	-865	-865	-19
-865	181	-865	-19

ALPHABET= ACGT

>srsc2_016.5

log-odds matrix: alength= 4 w= 12 n= 1125 bayes= 8.13057 E= 1.8e+010

152	-199	-199	-199
-199	190	-199	-199
100	-199	50	-199
-199	-199	190	-199
-199	50	-199	100
-199	-199	-199	152
-199	-199	190	-199
17	50	-199	17
17	-199	-199	100
-199	190	-199	-199
100	-199	50	-199
-199	-199	190	-199

ALPHABET= ACGT

>srsc2_018.1

log-odds matrix: alength= 4 w= 10 n= 966 bayes= 7.90989 E= 5.6e+002

-865	-865	209	-865
150	9	-865	-865
150	-865	-865	-8
191	-865	-865	-865
-865	209	-865	-865
-865	209	-865	-865
191	-865	-865	-865
191	-865	-865	-865
-8	-865	167	-865
-865	-865	209	-865

ALPHABET= ACGT

>srsc2_018.2

74203Suppl emental _CNSmatri ces. pssm. txt

log-odds matrix: alength= 4 w= 11 n= 962 bayes= 7.90388 E= 1.8e+010

-199	178	-199	-199
162	-199	-199	-199
162	-199	-199	-199
-199	-199	178	-199
25	-199	-199	109
-199	125	-199	25
162	-199	-199	-199
-199	-199	-199	162
162	-199	-199	-199
162	-199	-199	-199
-199	-199	178	-199

ALPHABET= ACGT

>srsc2_018.4

log-odds matrix: alength= 4 w= 11 n= 962 bayes= 7.90388 E= 2.0e+010

-199	-199	178	-199
162	-199	-199	-199
-199	-199	-199	162
-199	125	-199	25
-199	-199	-199	162
-199	-199	178	-199
109	-199	39	-199
-199	39	-199	109
-199	178	-199	-199
-199	178	-199	-199
162	-199	-199	-199

ALPHABET= ACGT

>srsc2_024.1

log-odds matrix: alength= 4 w= 18 n= 625 bayes= 7.27845 E= 2.4e-001

186	-865	-865	-865
-865	-865	-865	186
-865	15	-865	145
-865	-865	-865	186
-865	-865	-865	186
-865	115	115	-865
-865	15	-865	145
-865	-865	215	-865
-865	-865	15	145
-865	-865	-865	186
-865	-865	-865	186
-865	15	-865	145
-865	215	-865	-865
-865	-865	-865	186
-865	-865	-865	186
-865	15	-865	145
-865	-865	-865	186
-865	15	-865	145

ALPHABET= ACGT

>srsc2_028.1

log-odds matrix: alength= 4 w= 36 n= 333 bayes= 7.37069 E= 6.0e+002

-765	-765	224	-765
179	-765	-765	-765
179	-765	-765	-765
179	-765	-765	-765
179	-765	-765	-765
-765	-765	224	-765
79	-765	-765	79

74203Suppl emental _CNSmatri ces. pssm. txt

```

179 -765 -765 -765
-765 -765 -765 179
-765 -765 124 79
179 -765 -765 -765
-765 -765 -765 179
-765 -765 224 -765
-765 -765 -765 179
-765 224 -765 -765
179 -765 -765 -765
-765 -765 224 -765
179 -765 -765 -765
-765 -765 -765 179
-765 224 -765 -765
79 -765 -765 79
-765 -765 -765 179
-765 -765 -765 179
-765 -765 -765 179
179 -765 -765 -765
179 -765 -765 -765
-765 224 -765 -765
-765 124 -765 79
-765 -765 -765 179
79 -765 -765 79
-765 -765 -765 179
-765 -765 224 -765
-765 224 -765 -765
-765 -765 -765 179
-765 -765 224 -765
-765 -765 -765 179

```

ALPHABET= ACGT

>srs2_028. 2

log-odds matrix: alength= 4 w= 20 n= 365 bayes= 7. 50383 E= 3. 0e+003

```

-765 -765 -765 179
-765 224 -765 -765
-765 -765 -765 179
-765 224 -765 -765
-765 -765 -765 179
-765 -765 -765 179
-765 124 -765 79
-765 -765 -765 179
179 -765 -765 -765
-765 -765 -765 179
179 -765 -765 -765
-765 -765 -765 179
-765 -765 224 -765
-765 -765 -765 179
79 -765 -765 79
-765 -765 -765 179
-765 -765 224 -765
179 -765 -765 -765
-765 -765 -765 179
-765 -765 224 -765

```

ALPHABET= ACGT

>srs2_029. 1

log-odds matrix: alength= 4 w= 33 n= 438 bayes= 7. 17991 E= 1. 3e+000

```

-823 -823 -823 180
-823 -823 -823 180
-823 -823 -823 180
22 -823 -823 122

```


74203Suppl emental _CNSmatri ces. pssm. txt

-158	-158	92	58
-823	-823	-823	180
-823	163	64	-823
-823	163	64	-823
180	-823	-823	-823
180	-823	-823	-823
22	-823	163	-823
-823	-823	-823	180
-823	-823	64	122
180	-823	-823	-823
-823	-823	222	-823
180	-823	-823	-823
-823	-823	-823	180
-823	-823	163	22
-823	163	64	-823
-823	-823	-823	180
22	-823	163	-823
22	-823	163	-823
22	-823	163	-823
-823	-823	222	-823
180	-823	-823	-823
180	-823	-823	-823
180	-823	-823	-823
122	-823	64	-823
-823	-823	-823	180
-823	-823	-823	180
22	-823	-823	122
180	-823	-823	-823
180	-823	-823	-823

ALPHABET= ACGT

>srsc2_040. 10

log-odds matrix: alength= 4 w= 11 n= 448 bayes= 7. 8009 E= 1. 4e+004

-765	252	-765	-765
-765	-765	-765	161
61	-765	-765	61
161	-765	-765	-765
-765	252	-765	-765
161	-765	-765	-765
61	-765	-765	61
-765	-765	252	-765
161	-765	-765	-765
-765	-765	-765	161
-765	-765	-765	161

ALPHABET= ACGT

>srsc2_040. 4

log-odds matrix: alength= 4 w= 10 n= 450 bayes= 7. 80735 E= 3. 9e+003

-765	252	-765	-765
-765	-765	-765	161
-765	-765	252	-765
161	-765	-765	-765
161	-765	-765	-765
-765	152	152	-765
61	-765	-765	61
-765	-765	-765	161
-765	-765	252	-765
-765	-765	252	-765

ALPHABET= ACGT

74203Suppl emental _CNSmatri ces. pssm. txt

>srs2_040. 8

log-odds matrix: alength= 4 w= 12 n= 446 bayes= 7. 79442 E= 1. 1e+004

-765	-765	-765	161
161	-765	-765	-765
-765	252	-765	-765
161	-765	-765	-765
-765	-765	-765	161
161	-765	-765	-765
161	-765	-765	-765
-765	-765	-765	161
-765	-765	152	61
-765	252	-765	-765
-765	152	-765	61
-765	252	-765	-765

ALPHABET= ACGT

>srs3_003. 3

log-odds matrix: alength= 4 w= 13 n= 676 bayes= 8. 3966 E= 8. 7e+003

-765	-765	-765	177
-765	226	-765	-765
177	-765	-765	-765
-765	-765	226	-765
-765	-765	226	-765
-765	-765	-765	177
177	-765	-765	-765
177	-765	-765	-765
-765	-765	-765	177
-765	-765	-765	177
-765	126	-765	78
-765	-765	-765	177
-765	-765	226	-765

ALPHABET= ACGT

>srs3_003. 4

log-odds matrix: alength= 4 w= 12 n= 678 bayes= 8. 40088 E= 9. 6e+003

-765	226	-765	-765
-765	-765	-765	177
-765	-765	226	-765
177	-765	-765	-765
78	-765	126	-765
78	-765	126	-765
-765	-765	226	-765
-765	-765	226	-765
-765	-765	-765	177
177	-765	-765	-765
177	-765	-765	-765
-765	-765	226	-765

ALPHABET= ACGT

>srs3_005. 1

log-odds matrix: alength= 4 w= 39 n= 892 bayes= 7. 47086 E= 4. 9e-007

-897	229	-897	-897
-897	-897	-897	175
-897	156	-897	43
-897	-3	-897	143
-897	156	-897	43
102	-897	97	-897
-897	-897	-897	175
-897	-897	-897	175
-897	-897	97	102

74203Suppl emental _CNSmatri ces. pssm. txt

```

-897 -897 -897 175
-57 -897 197 -897
-897 229 -897 -897
-897 -897 -897 175
143 -897 -897 -57
175 -897 -897 -897
102 -3 -897 -57
175 -897 -897 -897
-897 -3 -897 143
175 -897 -897 -897
-897 -897 -897 175
-19 -231 165 -231
-57 -897 97 43
43 -3 97 -897
-897 97 97 -57
143 -897 -3 -897
-897 97 -897 102
143 -897 -897 -57
143 -3 -897 -897
-897 -897 -3 143
63 -231 24 -19
43 -897 -897 102
-57 -897 97 43
43 -897 156 -897
-57 -897 156 -57
-897 -897 229 -897
43 -897 156 -897
-897 -897 156 43
-57 -897 -897 143
-897 -897 -897 175

```

ALPHABET= ACGT

>srsc3_005. 2

log-odds matrix: alength= 4 w= 28 n= 947 bayes= 7. 55766 E= 5. 6e-001

```

-897 -897 -897 175
102 -897 -897 43
-57 -3 156 -897
-897 -897 -3 143
43 -897 97 -57
-897 -897 229 -897
-57 197 -897 -897
175 -897 -897 -897
-57 -897 197 -897
-897 197 -897 -57
43 -897 -3 43
143 -897 -897 -57
-897 -897 -897 175
175 -897 -897 -897
143 -897 -897 -57
-897 97 -897 102
143 -897 -3 -897
-57 197 -897 -897
-897 -3 -897 143
175 -897 -897 -897
43 97 -3 -897
102 -3 -897 -57
-57 -3 97 -57
43 156 -897 -897
175 -897 -897 -897
-57 -897 -897 143
-897 97 -897 102
175 -897 -897 -897

```

ALPHABET= ACGT

>spsc3_005. 3

log-odds matrix: alength= 4 w= 21 n= 982 bayes= 7. 61029 E= 3. 8e+011

-231	24	165	-231
-231	165	-231	-19
-231	-231	-231	153
-231	-231	-231	153
-19	24	-231	63
153	-231	-231	-231
-231	111	-231	63
-231	-231	24	115
-231	165	-231	-19
-231	-231	-231	153
-231	-231	165	-19
-231	165	-231	-19
-231	24	-231	115
115	24	-231	-231
153	-231	-231	-231
-231	24	24	63
-231	-231	-231	153
-231	-231	204	-231
115	-231	-231	-19
-231	-231	24	115
-231	24	165	-231

ALPHABET= ACGT

>spsc3_005. 4

log-odds matrix: alength= 4 w= 15 n= 1012 bayes= 7. 65392 E= 2. 5e+007

153	-231	-231	-231
-897	-897	-897	175
-57	97	-897	43
-897	197	-3	-897
-897	-3	-897	143
143	-3	-897	-897
-57	-897	97	43
-897	-897	-3	143
143	-897	-3	-897
-231	-231	24	115
-897	-897	-897	175
43	-3	-3	-57
43	-897	156	-897
-897	97	-897	102
-897	-897	-897	175

ALPHABET= ACGT

>spsc3_006. 1

log-odds matrix: alength= 4 w= 11 n= 966 bayes= 8. 91289 E= 3. 1e+004

-765	-765	-765	179
179	-765	-765	-765
-765	-765	-765	179
-765	-765	223	-765
-765	-765	-765	179
80	-765	-765	80
-765	-765	-765	179
-765	-765	223	-765
-765	-765	223	-765
-765	223	-765	-765
179	-765	-765	-765

74203Suppl emental _CNSmatri ces. pssm. txt

ALPHABET= ACGT

>srs3_006. 2

log-odds matrix: alength= 4 w= 15 n= 958 bayes= 8. 90087 E= 4. 1e+004

179	-765	-765	-765
179	-765	-765	-765
-765	-765	-765	179
-765	223	-765	-765
179	-765	-765	-765
-765	-765	223	-765
179	-765	-765	-765
179	-765	-765	-765
-99	-99	-99	116
-765	123	-765	80
-765	223	-765	-765
179	-765	-765	-765
-765	-765	223	-765
179	-765	-765	-765
-765	-765	-765	179

ALPHABET= ACGT

>srs3_006. 5

log-odds matrix: alength= 4 w= 11 n= 966 bayes= 8. 91289 E= 2. 0e+005

-765	-765	-765	179
179	-765	-765	-765
179	-765	-765	-765
179	-765	-765	-765
-765	-765	223	-765
-765	123	-765	80
80	-765	-765	80
80	-765	123	-765
179	-765	-765	-765
-765	-765	-765	179
-765	-765	223	-765

ALPHABET= ACGT

>srs3_011. 2

log-odds matrix: alength= 4 w= 12 n= 1103 bayes= 8. 10198 E= 1. 4e+004

187	-865	-865	-865
187	-865	-865	-865
187	-865	-865	-865
146	13	-865	-865
88	113	-865	-865
-12	-865	-865	146
-12	-865	172	-865
-865	-865	-865	187
-865	-865	-865	187
146	-865	13	-865
-865	213	-865	-865
-865	-865	-865	187

ALPHABET= ACGT

>srs3_011. 3

log-odds matrix: alength= 4 w= 11 n= 1107 bayes= 8. 10722 E= 4. 7e+006

187	-865	-865	-865
146	-865	-865	-12
146	-865	-865	-12
-865	-865	-865	187
-865	113	-865	88
187	-865	-865	-865

74203Suppl emental _CNSmatri ces. pssm. txt

187	-865	-865	-865
-12	13	-865	88
159	-199	-199	-199
-12	-865	-865	146
-865	213	-865	-865

ALPHABET= ACGT

>srsc3_012.1

log-odds matrix: alength= 4 w= 46 n= 954 bayes= 8.30834 E= 1.4e+002

-823	258	-823	-823
158	-823	-823	-823
0	-823	-823	100
-823	-823	258	-823
100	-823	-823	0
-823	-823	-823	158
-823	99	199	-823
100	99	-823	-823
-823	-823	258	-823
100	99	-823	-823
158	-823	-823	-823
0	199	-823	-823
-823	-823	-823	158
0	199	-823	-823
0	-823	99	0
0	-823	99	0
158	-823	-823	-823
100	99	-823	-823
0	-823	199	-823
-823	-823	-823	158
0	199	-823	-823
-823	258	-823	-823
100	-823	-823	0
100	-823	99	-823
158	-823	-823	-823
158	-823	-823	-823
-823	258	-823	-823
100	-823	-823	0
100	-823	99	-823
100	99	-823	-823
-823	-823	-823	158
100	-823	99	-823
-823	-823	-823	158
-823	258	-823	-823
100	-823	99	-823
100	99	-823	-823
0	99	99	-823
158	-823	-823	-823
0	-823	199	-823
-823	99	199	-823
0	99	-823	0
158	-823	-823	-823
-823	99	-823	100
-823	-823	-823	158
-823	199	-823	0
-823	258	-823	-823

ALPHABET= ACGT

>srsc3_012.3

log-odds matrix: alength= 4 w= 13 n= 1053 bayes= 8.45121 E= 1.3e+004

158	-823	-823	-823
158	-823	-823	-823

74203Suppl emental _CNSmatri ces. pssm. txt

100	99	-823	-823
158	-823	-823	-823
-823	-823	-823	158
-823	-823	258	-823
-823	258	-823	-823
-823	99	-823	100
-823	-823	-823	158
158	-823	-823	-823
100	-823	99	-823
-823	-823	-823	158
-823	258	-823	-823

ALPHABET= ACGT

>srsc3_012. 4

log-odds matrix: alength= 4 w= 10 n= 1062 bayes= 8. 46352 E= 1. 9e+004

-823	-823	-823	158
-823	258	-823	-823
-823	-823	-823	158
-823	-823	258	-823
-823	99	199	-823
158	-823	-823	-823
-823	-823	-823	158
-823	99	-823	100
-823	-823	-823	158
-823	-823	-823	158

ALPHABET= ACGT

>srsc3_012. 7

log-odds matrix: alength= 4 w= 13 n= 1053 bayes= 8. 45121 E= 3. 3e+005

158	-823	-823	-823
-823	258	-823	-823
0	-823	-823	100
0	-823	-823	100
-823	-823	99	100
-823	99	-823	100
-823	-823	-823	158
-823	-823	258	-823
0	199	-823	-823
158	-823	-823	-823
-823	-823	-823	158
0	-823	99	0
-823	258	-823	-823

ALPHABET= ACGT

>srsc3_016. 1

log-odds matrix: alength= 4 w= 37 n= 368 bayes= 6. 92679 E= 6. 6e+000

-823	238	-823	-823
111	-823	-823	11
11	79	-823	11
170	-823	-823	-823
-823	-823	-823	170
11	-823	179	-823
-823	79	-823	111
-823	-823	238	-823
-823	-823	79	111
170	-823	-823	-823
111	79	-823	-823
111	-823	-823	11
170	-823	-823	-823
11	-823	-823	111

74203Suppl emental _CNSmatri ces. pssm. txt

-823	238	-823	-823
11	79	79	-823
-823	-823	-823	170
-823	-823	-823	170
-823	79	-823	111
170	-823	-823	-823
-823	79	79	11
170	-823	-823	-823
111	79	-823	-823
-823	-823	238	-823
111	-823	79	-823
111	-823	79	-823
-823	179	-823	11
-823	238	-823	-823
-823	179	-823	11
170	-823	-823	-823
111	-823	79	-823
-823	238	-823	-823
-823	-823	-823	170
11	-823	179	-823
-823	79	-823	111
-823	238	-823	-823
-823	238	-823	-823

ALPHABET= ACGT

>srsc3_016.2

log-odds matrix: alength= 4 w= 10 n= 449 bayes= 7.21594 E= 9.0e+002

-823	238	-823	-823
11	179	-823	-823
-823	-823	-823	170
-823	-823	-823	170
-823	179	79	-823
-823	238	-823	-823
-823	238	-823	-823
-823	-823	-823	170
111	79	-823	-823
-823	-823	-823	170

ALPHABET= ACGT

>srsc3_016.3

log-odds matrix: alength= 4 w= 10 n= 449 bayes= 7.21594 E= 8.1e+002

-823	-823	-823	170
170	-823	-823	-823
170	-823	-823	-823
170	-823	-823	-823
-823	-823	-823	170
-823	-823	-823	170
-823	-823	-823	170
111	-823	79	-823
-823	-823	238	-823
-823	238	-823	-823

ALPHABET= ACGT

>srsc3_016.5

log-odds matrix: alength= 4 w= 10 n= 449 bayes= 7.21594 E= 1.1e+005

-823	-823	-823	170
-823	179	-823	11
11	-823	-823	111
11	79	-823	11
170	-823	-823	-823

74203Suppl emental _CNSmatri ces. pssm. txt

-823	238	-823	-823
-823	-823	-823	170
-823	-823	-823	170
-823	-823	79	111
-823	-823	-823	170

ALPHABET= ACGT

>srsc3_019.1

log-odds matrix: alength= 4 w= 23 n= 935 bayes= 8.86573 E= 4.1e+003

-765	-765	-765	182
182	-765	-765	-765
182	-765	-765	-765
-765	219	-765	-765
-765	-765	-765	182
-765	-765	-765	182
-765	219	-765	-765
-765	-765	-765	182
-765	-765	-765	182
-765	-765	-765	182
182	-765	-765	-765
182	-765	-765	-765
182	-765	-765	-765
-765	-765	-765	182
-765	-765	219	-765
182	-765	-765	-765
-765	-765	-765	182
-765	-765	219	-765
-765	219	-765	-765
-765	-765	-765	182
-765	-765	-765	182
-765	-765	-765	182
-765	219	-765	-765

ALPHABET= ACGT

>srsc3_019.4

log-odds matrix: alength= 4 w= 21 n= 939 bayes= 8.87191 E= 2.4e+004

-765	219	-765	-765
-765	-765	-765	182
83	-765	119	-765
-765	-765	219	-765
182	-765	-765	-765
182	-765	-765	-765
-765	-765	219	-765
-765	119	-765	83
-765	-765	-765	182
-765	219	-765	-765
182	-765	-765	-765
-765	-765	219	-765
-765	-765	119	83
-765	-765	-765	182
-765	219	-765	-765
182	-765	-765	-765
-99	-99	147	-99
-765	-765	-765	182
-765	-765	-765	182
-765	-765	219	-765

ALPHABET= ACGT

>srsc3_019.5

74203Suppl emental _CNSmatri ces. pssm. txt

log-odds matrix: alength= 4 w= 10 n= 961 bayes= 8.90539 E= 4.4e+004

182	-765	-765	-765
-765	-765	219	-765
-765	219	-765	-765
182	-765	-765	-765
83	-765	-765	83
-765	219	-765	-765
83	-765	-765	83
-765	219	-765	-765
-765	-765	-765	182
-765	-765	219	-765

ALPHABET= ACGT

>srsc3_019.6

log-odds matrix: alength= 4 w= 11 n= 959 bayes= 8.90238 E= 4.9e+004

182	-765	-765	-765
-765	-765	-765	182
182	-765	-765	-765
-765	219	-765	-765
-765	-765	-765	182
-765	119	-765	83
-765	-765	-765	182
-765	219	-765	-765
182	-765	-765	-765
-765	219	-765	-765
182	-765	-765	-765

ALPHABET= ACGT

>srsc3_019.7

log-odds matrix: alength= 4 w= 11 n= 959 bayes= 8.90238 E= 6.5e+004

-765	-765	219	-765
-765	219	-765	-765
83	-765	-765	83
-765	-765	-765	182
83	-765	119	-765
-765	219	-765	-765
-765	219	-765	-765
-765	-765	-765	182
-765	119	-765	83
-765	219	-765	-765
182	-765	-765	-765

ALPHABET= ACGT

>srsc3_019.8

log-odds matrix: alength= 4 w= 14 n= 953 bayes= 8.8933 E= 7.5e+004

-765	-765	219	-765
182	-765	-765	-765
83	-765	119	-765
182	-765	-765	-765
-765	119	119	-765
182	-765	-765	-765
182	-765	-765	-765
-765	-765	219	-765
182	-765	-765	-765
83	119	-765	-765
-765	-765	-765	182
182	-765	-765	-765
-765	-765	-765	182
-765	219	-765	-765

ALPHABET= ACGT

>srsc3_019.9

log-odds matrix: alength= 4 w= 11 n= 959 bayes= 8.90238 E= 8.7e+004

-765	-765	-765	182
-765	-765	-765	182
-765	-765	219	-765
83	119	-765	-765
182	-765	-765	-765
-765	119	119	-765
182	-765	-765	-765
-765	-765	-765	182
182	-765	-765	-765
-765	219	-765	-765
182	-765	-765	-765

ALPHABET= ACGT

>srsc3_022.1

log-odds matrix: alength= 4 w= 19 n= 673 bayes= 7.80305 E= 1.4e+004

-823	-823	224	-823
-823	66	66	21
-823	-823	-823	179
21	-823	-823	120
120	-823	-823	21
-823	-823	-823	179
120	66	-823	-823
179	-823	-823	-823
179	-823	-823	-823
179	-823	-823	-823
-823	166	66	-823
179	-823	-823	-823
-823	66	-823	120
-823	-823	-823	179
120	-823	66	-823
-823	66	166	-823
-823	-823	-823	179
-823	-823	-823	179
-823	-823	-823	179

ALPHABET= ACGT

>srsc3_022.2

log-odds matrix: alength= 4 w= 11 n= 697 bayes= 7.85383 E= 8.4e+004

179	-823	-823	-823
-823	166	-823	21
-823	66	166	-823
-823	-823	224	-823
-823	166	-823	21
179	-823	-823	-823
120	66	-823	-823
179	-823	-823	-823
179	-823	-823	-823
21	166	-823	-823
179	-823	-823	-823

ALPHABET= ACGT

>srsc3_023.1

log-odds matrix: alength= 4 w= 23 n= 443 bayes= 7.78463 E= 6.8e+003

-765	-765	211	-765
89	-765	112	-765
188	-765	-765	-765

74203Suppl emental _CNSmatri ces. pssm. txt

```

188 -765 -765 -765
-765 -765 211 -765
-765 211 -765 -765
-765 -765 112 89
89 -765 112 -765
-765 211 -765 -765
188 -765 -765 -765
-765 -765 -765 188
-765 -765 211 -765
188 -765 -765 -765
188 -765 -765 -765
188 -765 -765 -765
-765 112 112 -765
-765 -765 -765 188
-765 -765 112 89
-765 211 -765 -765
-765 211 -765 -765
188 -765 -765 -765
188 -765 -765 -765
188 -765 -765 -765

```

ALPHABET= ACGT

>spsc3_023. 2

log-odds matrix: alength= 4 w= 13 n= 463 bayes= 7. 84862 E= 9. 2e+003

```

188 -765 -765 -765
-765 -765 211 -765
-765 -765 211 -765
188 -765 -765 -765
188 -765 -765 -765
-765 211 -765 -765
89 112 -765 -765
188 -765 -765 -765
89 -765 112 -765
-765 211 -765 -765
188 -765 -765 -765
-765 -765 211 -765
188 -765 -765 -765

```

ALPHABET= ACGT

>spsc3_025. 1

log-odds matrix: alength= 4 w= 37 n= 1022 bayes= 8. 40798 E= 8. 6e-004

```

179 -823 -823 -823
179 -823 -823 -823
179 -823 -823 -823
-823 -823 224 -823
-823 -823 224 -823
179 -823 -823 -823
-823 -823 -823 179
-823 -823 -823 179
-823 -823 224 -823
-823 -823 165 21
121 65 -823 -823
-823 -823 224 -823
-823 -823 224 -823
-823 224 -823 -823
179 -823 -823 -823
-823 -823 224 -823
179 -823 -823 -823
121 -823 65 -823
-823 65 -823 121

```

74203Suppl emental _CNSmatri ces. pssm. txt

```

-158 -158 -158 140
-823 -823 -823 179
179 -823 -823 -823
-823 65 -823 121
-823 224 -823 -823
-823 -823 65 121
-823 -823 224 -823
21 -823 -823 121
-823 -823 224 -823
-823 224 -823 -823
-823 224 -823 -823
121 -823 65 -823
179 -823 -823 -823
-823 -823 -823 179
179 -823 -823 -823
-823 65 -823 121
-823 -823 -823 179

```

ALPHABET= ACGT

>srsc3_025.2

log-odds matrix: alength= 4 w= 49 n= 986 bayes= 8.35609 E= 2.6e-001

```

-823 224 -823 -823
-823 -823 -823 179
-823 -823 224 -823
-823 -823 -823 179
-823 -823 -823 179
21 65 -823 21
-823 65 -823 121
21 -823 165 -823
179 -823 -823 -823
121 -823 65 -823
-823 -823 -823 179
-823 -823 -823 179
-823 65 -823 121
-823 -823 165 21
179 -823 -823 -823
-823 -823 -823 179
-823 -823 -823 179
121 65 -823 -823
-823 65 -823 121
-823 -823 224 -823
-823 -823 -823 179
121 -823 -823 21
-823 -823 -823 179
21 65 65 -823
179 -823 -823 -823
-823 -823 -823 179
-823 -823 -823 179
121 -823 -823 21
121 -823 65 -823
-823 -823 -823 179
121 -823 65 -823
21 -823 -823 121
-823 224 -823 -823
179 -823 -823 -823
-823 224 -823 -823
179 -823 -823 -823
-823 -823 224 -823
-823 165 -823 21
21 -823 65 21
-823 -823 224 -823
21 165 -823 -823

```

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```

179 -823 -823 -823
121 -823 -823 21
121 -823 -823 21
-823 -823 224 -823
-823 65 -823 121
-823 -823 -823 179
-823 -823 224 -823
179 -823 -823 -823

```

ALPHABET= ACGT

>srsc3_025.3

log-odds matrix: alength= 4 w= 14 n= 1091 bayes= 8.5025 E= 1.9e+003

```

-823 -823 -823 179
-823 -823 -823 179
-823 -823 -823 179
-823 -823 224 -823
-823 -823 224 -823
-823 -823 -823 179
-823 -823 -823 179
-823 65 165 -823
179 -823 -823 -823
-823 -823 165 21
179 -823 -823 -823
179 -823 -823 -823
21 165 -823 -823
179 -823 -823 -823

```

ALPHABET= ACGT

>srsc3_025.4

log-odds matrix: alength= 4 w= 21 n= 1070 bayes= 8.47438 E= 7.3e+004

```

-823 -823 224 -823
179 -823 -823 -823
121 -823 65 -823
-823 -823 165 21
21 -823 165 -823
21 -823 65 21
-823 -823 224 -823
-823 65 -823 121
-823 -823 -823 179
121 -823 65 -823
21 -823 -823 121
-823 -823 -823 179
21 -823 65 21
21 -823 165 -823
-823 -823 165 21
-823 -823 224 -823
-823 165 -823 21
-823 224 -823 -823
-823 -823 -823 179
-823 -823 -823 179
179 -823 -823 -823

```

ALPHABET= ACGT

>srsc3_025.6

log-odds matrix: alength= 4 w= 12 n= 1097 bayes= 8.51043 E= 4.9e+005

```

-823 -823 -823 179
121 -823 65 -823
179 -823 -823 -823
121 -823 -823 21
-823 -823 -823 179

```

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121	65	-823	-823
-823	-823	-823	179
179	-823	-823	-823
-823	65	65	21
179	-823	-823	-823
-823	-823	224	-823
-823	-823	-823	179

ALPHABET= ACGT

>srsc3_030. 1

log-odds matrix: alength= 4 w= 11 n= 617 bayes= 8.26444 E= 1.5e+005

-765	203	-765	-765
-765	-765	103	97
-765	-765	-765	196
-765	103	-765	97
-99	134	-99	-99
-765	-765	-765	196
-765	-765	103	97
-765	-765	-765	196
-765	-765	-765	196
-765	203	-765	-765
-765	-765	-765	196

ALPHABET= ACGT

>srsc3_032. 1

log-odds matrix: alength= 4 w= 12 n= 599 bayes= 8.22159 E= 1.3e+004

-765	-765	209	-765
-765	209	-765	-765
-765	209	-765	-765
-765	209	-765	-765
190	-765	-765	-765
90	-765	109	-765
-765	-765	209	-765
90	109	-765	-765
90	-765	109	-765
-765	-765	-765	190
-765	-765	209	-765
-765	-765	209	-765

ALPHABET= ACGT

>srsc3_033. 1

log-odds matrix: alength= 4 w= 49 n= 838 bayes= 8.12067 E= 9.7e-001

-823	-823	-823	185
-823	-823	215	-823
127	57	-823	-823
-823	-823	-823	185
27	-823	-823	127
-823	57	-823	127
27	-823	-823	127
-823	57	157	-823
-823	-823	-823	185
-823	-823	157	27
127	57	-823	-823
-823	-823	-823	185
-823	-823	-823	185
-823	-823	215	-823
-823	215	-823	-823
-823	215	-823	-823
127	-823	-823	27
-823	-823	157	27

74203Suppl emental _CNSmatri ces. pssm. txt

127	57	-823	-823
-823	157	-823	27
-823	215	-823	-823
-823	-823	-823	185
-823	-823	-823	185
127	-823	57	-823
27	-823	157	-823
-823	-823	-823	185
-823	57	-823	127
185	-823	-823	-823
-823	-823	-823	185
185	-823	-823	-823
-823	-823	-823	185
127	-823	57	-823
-823	-823	215	-823
-823	157	-823	27
-823	-823	-823	185
-823	-823	215	-823
-823	157	57	-823
-823	57	-823	127
-823	-823	-823	185
127	-823	-823	27
-823	-823	-823	185
27	-823	57	27
185	-823	-823	-823
-823	57	-823	127
27	-823	-823	127
-823	-823	-823	185
-823	-823	-823	185
-823	-823	-823	185
-823	57	157	-823

ALPHABET= ACGT

>srsc3_038. 1

log-odds matrix: alength= 4 w= 16 n= 469 bayes= 7. 86728 E= 3. 0e+003

-765	-765	-765	178
-765	-765	224	-765
-765	-765	224	-765
178	-765	-765	-765
-765	224	-765	-765
178	-765	-765	-765
-765	125	-765	78
-765	-765	-765	178
178	-765	-765	-765
-765	-765	-765	178
-765	-765	-765	178
178	-765	-765	-765
-765	-765	224	-765
-765	-765	224	-765
78	-765	125	-765
-765	-765	224	-765

ALPHABET= ACGT

>srsc3_038. 2

log-odds matrix: alength= 4 w= 21 n= 459 bayes= 7. 83605 E= 5. 7e+003

-765	-765	224	-765
-765	-765	-765	178
-765	-765	-765	178
-765	224	-765	-765
-765	-765	-765	178
-765	125	-765	78

74203Suppl emental _CNSmatri ces. pssm. txt

```

-765 125 -765 78
-765 224 -765 -765
178 -765 -765 -765
-765 -765 -765 178
-765 -765 -765 178
-765 -765 125 78
-765 -765 -765 178
-765 -765 224 -765
-765 224 -765 -765
-765 -765 -765 178
178 -765 -765 -765
178 -765 -765 -765
178 -765 -765 -765
178 -765 -765 -765
-765 -765 -765 178

```

ALPHABET= ACGT

>srsc4_002.1

log-odds matrix: alength= 4 w= 11 n= 689 bayes= 7.8371 E= 6.4e+002

```

-823 -823 -823 190
190 -823 -823 -823
-823 -823 -823 190
-823 -823 210 -823
32 -823 51 32
-823 210 -823 -823
-823 210 -823 -823
190 -823 -823 -823
-823 -823 210 -823
-823 51 151 -823
-823 210 -823 -823

```

ALPHABET= ACGT

>srsc4_002.2

log-odds matrix: alength= 4 w= 30 n= 632 bayes= 7.71195 E= 4.8e+002

```

-823 -823 -823 190
132 -823 -823 32
-823 210 -823 -823
-823 51 -823 132
32 51 -823 32
-823 210 -823 -823
-823 151 51 -823
-823 151 -823 32
-823 210 -823 -823
32 51 51 -823
-823 151 -823 32
132 -823 -823 32
-158 81 81 -158
-823 -823 -823 190
190 -823 -823 -823
32 151 -823 -823
-823 -823 51 132
190 -823 -823 -823
-823 -823 210 -823
32 -823 -823 132
-823 -823 -823 190
-823 51 151 -823
190 -823 -823 -823
-823 -823 210 -823
-823 -823 -823 190
190 -823 -823 -823
-823 51 151 -823

```

74203Suppl emental _CNSmatri ces. pssm. txt

190	-823	-823	-823
32	-823	151	-823
-823	-823	-823	190

ALPHABET= ACGT

>srsc4_002.3

log-odds matrix: alength= 4 w= 11 n= 689 bayes= 7.8371 E= 3.4e+003

190	-823	-823	-823
32	151	-823	-823
-823	210	-823	-823
-823	-823	-823	190
-823	-823	210	-823
-823	-823	210	-823
-823	210	-823	-823
132	-823	-823	32
-823	51	-823	132
-823	210	-823	-823
-823	-823	-823	190

ALPHABET= ACGT

>srsc4_002.4

log-odds matrix: alength= 4 w= 16 n= 674 bayes= 7.80521 E= 5.2e+003

-823	-823	-823	190
32	-823	-823	132
-823	210	-823	-823
132	-823	-823	32
190	-823	-823	-823
132	51	-823	-823
-823	-823	-823	190
-823	-823	-823	190
132	-823	51	-823
190	-823	-823	-823
-823	210	-823	-823
-823	151	-823	32
-823	51	151	-823
-823	-823	-823	190
-823	-823	210	-823
-823	-823	-823	190

ALPHABET= ACGT

>srsc4_003.1

log-odds matrix: alength= 4 w= 21 n= 1699 bayes= 8.40429 E= 1.6e+000

-897	-897	-897	180
107	-897	90	-897
-897	90	-897	107
148	-897	-9	-897
-52	90	-897	48
-897	-897	-897	180
-897	149	90	-897
-52	-9	-897	107
148	-897	-897	-52
-897	190	-897	-52
-897	223	-897	-897
-897	-897	-897	180
-52	-9	149	-897
-897	-897	-897	180
-897	149	-9	-52
180	-897	-897	-897
-897	-897	-897	180
-897	-897	-897	180

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```
-897   -9   -897   148
 180  -897  -897  -897
 -52  -897   190  -897
```

ALPHABET= ACGT

>srsc4_003.2

log-odds matrix: alength= 4 w= 16 n= 1724 bayes= 8.42543 E= 7.8e+002

```
-897  -897  223  -897
-897  -897  -897  180
 180  -897  -897  -897
 -52  -897  -897  148
-897  -897  223  -897
 -52  -897   -9  107
 48  -897   -9   48
-897  -897  -897  180
-897  -897  -897  180
 -52   -9   -9   48
-897  -897  -897  180
-897   -9   -9  107
-897  -897   90  107
-897  -897  -897  180
-897  -897  -897  180
-897   90  -897  107
```

ALPHABET= ACGT

>srsc4_003.3

log-odds matrix: alength= 4 w= 15 n= 1729 bayes= 8.42962 E= 2.2e+004

```
180  -897  -897  -897
-897  -897  -897  180
-897   90   90  -52
 -52   -9   -9   48
-897   -9  -897  148
 -52  149  -897  -52
 48  -897   -9   48
-897  -897  -897  180
-897   90  -897  107
-897  223  -897  -897
-897  -897  -897  180
-897  -897  -897  180
-897  -897  -897  180
 -52  -897  190  -897
-897   -9  -897  148
```

ALPHABET= ACGT

>srsc4_003.4

log-odds matrix: alength= 4 w= 21 n= 1699 bayes= 8.40429 E= 2.8e+007

```
-897  223  -897  -897
 180  -897  -897  -897
 -52  -897  190  -897
 107  -897  -897   48
 107  -897  -897   48
 -52  -897   -9  107
-897  -897   -9  148
 148  -897  -897  -52
-897   -9  190  -897
 -52   90  -897   48
 48   -9  -897   48
 107   -9  -897  -52
 148   -9  -897  -897
-897  -897   90  107
```

74203Suppl emental _CNSmatri ces. pssm. txt

107	-9	-897	-52
180	-897	-897	-897
48	-9	-897	48
148	-897	-897	-52
-897	190	-897	-52
107	-897	-897	48
148	-9	-897	-897

ALPHABET= ACGT

>srsc4_006. 1

log-odds matrix: a length= 4 w= 14 n= 525 bayes= 8. 03067 E= 5. 7e+003

-765	-765	216	-765
-765	-765	-765	184
-765	-765	216	-765
-765	-765	-765	184
-765	-765	216	-765
85	116	-765	-765
-765	-765	-765	184
-765	216	-765	-765
184	-765	-765	-765
-765	-765	216	-765
184	-765	-765	-765
-765	116	-765	85
-765	-765	-765	184
-765	-765	216	-765

ALPHABET= ACGT

>srsc4_006. 3

log-odds matrix: a length= 4 w= 10 n= 533 bayes= 8. 05257 E= 2. 6e+004

184	-765	-765	-765
184	-765	-765	-765
184	-765	-765	-765
184	-765	-765	-765
184	-765	-765	-765
-765	-765	-765	184
85	-765	-765	85
-765	-765	216	-765
-765	216	-765	-765
184	-765	-765	-765

ALPHABET= ACGT

>srsc4_007. 1

log-odds matrix: a length= 4 w= 20 n= 1497 bayes= 8. 96 E= 3. 3e+003

184	-823	-823	-823
125	-823	59	-823
184	-823	-823	-823
-823	159	59	-823
184	-823	-823	-823
125	-823	59	-823
25	-823	159	-823
-823	-823	-823	184
-823	-823	218	-823
-823	-823	-823	184
25	-823	159	-823
25	59	-823	25
-823	-823	-823	184
-823	218	-823	-823
184	-823	-823	-823
-823	-823	218	-823
184	-823	-823	-823

74203Suppl emental _CNSmatri ces. pssm. txt

```
-823 159 -823 25
-823 -823 -823 184
-823 -823 218 -823
```

ALPHABET= ACGT

>srsc4_007. 2

log-odds matrix: alength= 4 w= 15 n= 1512 bayes= 8.97441 E= 2.6e+005

```
-823 -823 218 -823
-823 -823 59 125
184 -823 -823 -823
184 -823 -823 -823
-823 59 -823 125
125 -823 -823 25
-823 -823 -823 184
-823 -823 -823 184
125 -823 59 -823
-823 -823 218 -823
-823 -823 218 -823
25 159 -823 -823
125 59 -823 -823
184 -823 -823 -823
184 -823 -823 -823
```

ALPHABET= ACGT

>srsc4_007. 3

log-odds matrix: alength= 4 w= 11 n= 1524 bayes= 8.98584 E= 3.9e+005

```
184 -823 -823 -823
-823 -823 218 -823
25 -823 59 25
184 -823 -823 -823
-823 -823 218 -823
25 -823 159 -823
25 -823 -823 125
-823 -823 -823 184
184 -823 -823 -823
184 -823 -823 -823
184 -823 -823 -823
```

ALPHABET= ACGT

>srsc4_007. 6

log-odds matrix: alength= 4 w= 11 n= 1524 bayes= 8.98584 E= 1.2e+006

```
184 -823 -823 -823
184 -823 -823 -823
144 -158 -158 -158
-823 -823 -823 184
184 -823 -823 -823
-823 -823 218 -823
125 59 -823 -823
184 -823 -823 -823
-823 159 59 -823
-823 59 -823 125
184 -823 -823 -823
```

ALPHABET= ACGT

>srsc4_013. 5

log-odds matrix: alength= 4 w= 15 n= 316 bayes= 7.29462 E= 2.0e+004

```
-765 -765 216 -765
-765 -765 -765 185
-765 116 -765 85
```

74203Suppl emental _CNSmatri ces. pssm. txt

185	-765	-765	-765
-765	-765	-765	185
-765	216	-765	-765
85	-765	-765	85
85	-765	116	-765
85	-765	-765	85
-765	-765	116	85
-765	-765	-765	185
-765	216	-765	-765
-765	-765	-765	185
-765	216	-765	-765
-765	-765	-765	185

ALPHABET= ACGT

>srsc4_020. 1

log-odds matrix: alength= 4 w= 24 n= 1000 bayes= 8. 37649 E= 1. 1e+004

-823	-823	-823	183
-823	-823	218	-823
-823	-823	218	-823
183	-823	-823	-823
-158	-158	89	60
-823	-823	-823	183
-823	-823	-823	183
25	-823	-823	125
-823	60	160	-823
125	-823	60	-823
25	-823	160	-823
125	60	-823	-823
25	160	-823	-823
25	60	-823	25
183	-823	-823	-823
-823	218	-823	-823
-823	60	-823	125
-823	218	-823	-823
25	-823	-823	125
-823	-823	-823	183
-823	-823	-823	183
-823	-823	-823	183
25	160	-823	-823
-823	160	60	-823

ALPHABET= ACGT

>srsc4_020. 2

log-odds matrix: alength= 4 w= 13 n= 1033 bayes= 8. 42347 E= 2. 8e+005

-823	218	-823	-823
-823	60	-823	125
-823	-823	60	125
-823	-823	-823	183
-823	-823	218	-823
-823	-823	-823	183
25	-823	60	25
-823	-823	-823	183
25	-823	60	25
25	60	60	-823
-823	-823	-823	183
-823	-823	-823	183
-823	218	-823	-823

ALPHABET= ACGT

>srsc4_023. 4

74203Suppl emental _CNSmatri ces. pssm. txt

log-odds matrix: al length= 4 w= 15 n= 975 bayes= 8.9263 E= 4.8e+004

-765	-765	-765	176
-765	-765	227	-765
-765	-765	-765	176
76	-765	-765	76
-765	227	-765	-765
176	-765	-765	-765
-765	-765	-765	176
-765	-765	227	-765
76	-765	-765	76
-765	-765	-765	176
76	-765	-765	76
176	-765	-765	-765
-765	-765	227	-765
-765	227	-765	-765
176	-765	-765	-765

ALPHABET= ACGT

>srsc4_023.6

log-odds matrix: al length= 4 w= 12 n= 981 bayes= 8.93517 E= 8.7e+004

176	-765	-765	-765
176	-765	-765	-765
-765	128	128	-765
-765	227	-765	-765
176	-765	-765	-765
76	128	-765	-765
76	-765	-765	76
-765	227	-765	-765
176	-765	-765	-765
176	-765	-765	-765
-765	227	-765	-765
-765	-765	-765	176

ALPHABET= ACGT

>srsc4_027.3

log-odds matrix: al length= 4 w= 13 n= 1022 bayes= 8.99435 E= 2.6e+004

175	-765	-765	-765
-765	-765	229	-765
175	-765	-765	-765
-765	-765	229	-765
-765	229	-765	-765
175	-765	-765	-765
175	-765	-765	-765
-765	-765	129	75
175	-765	-765	-765
-765	-765	229	-765
-765	-765	129	75
-765	229	-765	-765
-765	-765	-765	175

ALPHABET= ACGT

>srsc4_027.5

log-odds matrix: al length= 4 w= 17 n= 1014 bayes= 8.98299 E= 2.9e+004

-765	229	-765	-765
75	-765	-765	75
-765	-765	229	-765
-765	-765	-765	175
-765	129	129	-765
-765	-765	-765	175
-765	-765	129	75

74203Suppl emental _CNSmatri ces. pssm. txt

```
-765 229 -765 -765
-765 -765 -765 -765
-765 229 -765 -765
-765 -765 -765 175
 75 129 -765 -765
-765 229 -765 -765
 75 -765 -765 75
-765 -765 229 -765
-765 -765 -765 175
-765 -765 229 -765
```

ALPHABET= ACGT

>srsc4_027. 9

log-odds matrix: alength= 4 w= 11 n= 1026 bayes= 9 E= 4. 9e+004

```
-765 229 -765 -765
-765 229 -765 -765
 175 -765 -765 -765
-765 -765 -765 175
 75 129 -765 -765
 175 -765 -765 -765
 75 129 -765 -765
 175 -765 -765 -765
-765 229 -765 -765
-765 -765 -765 175
-765 229 -765 -765
```

ALPHABET= ACGT

>srsc4_031. 3

log-odds matrix: alength= 4 w= 10 n= 1560 bayes= 8. 60363 E= 1. 5e+011

```
-199 174 -199 -199
-199 -199 -199 165
-199 -199 36 112
-199 36 121 -199
 165 -199 -199 -199
-199 174 -199 -199
 112 36 -199 -199
-199 36 121 -199
-199 -199 -199 165
-199 -199 -199 165
```

ALPHABET= ACGT

>srsc5_001. 2

log-odds matrix: alength= 4 w= 10 n= 936 bayes= 8. 28077 E= 1. 9e+005

```
-823 -823 -823 167
-823 -823 -823 167
-823 -823 241 -823
-823 -823 -823 167
-158 108 -158 48
-823 -823 -823 167
-158 108 -158 48
 130 -158 -158 -158
-823 -823 -823 167
-823 -823 241 -823
```

ALPHABET= ACGT

>srsc5_001. 3

log-odds matrix: alength= 4 w= 11 n= 933 bayes= 8. 27612 E= 8. 8e+005

```
-823 -823 -823 167
 9 -823 183 -823
```


74203Suppl emental _CNSmatri ces. pssm. txt

```

-823 83 183 -823
9 183 -823 -823
-158 196 -158 -158
48 -158 108 -158
167 -823 -823 -823
9 -823 -823 109
-823 -823 -823 167
-823 -823 241 -823
167 -823 -823 -823

```

ALPHABET= ACGT

>spsc5_001.5

log-odds matrix: alength= 4 w= 21 n= 903 bayes= 8.22882 E= 1.1e+008

```

-158 -158 196 -158
9 83 -823 9
130 -158 -158 -158
-823 183 -823 9
130 -158 -158 -158
-158 -158 196 -158
-158 108 108 -158
9 -823 -823 109
130 -158 -158 -158
-158 108 108 -158
-158 108 -158 48
48 108 -158 -158
-158 196 -158 -158
-158 -158 196 -158
9 -823 83 9
130 -158 -158 -158
-158 196 -158 -158
48 -158 -158 48
167 -823 -823 -823
-158 196 -158 -158
130 -158 -158 -158

```

ALPHABET= ACGT

>spsc5_001.8

log-odds matrix: alength= 4 w= 12 n= 930 bayes= 8.27146 E= 1.2e+008

```

-158 -158 -158 130
-158 -158 196 -158
-158 196 -158 -158
130 -158 -158 -158
-823 -823 83 109
-823 -823 83 109
-158 -158 -158 130
-158 108 108 -158
-823 -823 83 109
9 83 -823 9
109 -823 -823 9
-823 183 83 -823

```

ALPHABET= ACGT

>spsc5_001.9

log-odds matrix: alength= 4 w= 11 n= 933 bayes= 8.27612 E= 8.0e+007

```

-823 -823 241 -823
130 -158 -158 -158
-158 -158 -158 130
130 -158 -158 -158
-158 108 108 -158
-158 108 108 -158

```

74203Suppl emental _CNSmatri ces. pssm. txt

9	-823	83	9
-823	-823	-823	167
-158	-158	196	-158
-158	108	108	-158
-158	-158	196	-158

ALPHABET= ACGT

>srs5_007. 6

log-odds matrix: alength= 4 w= 19 n= 995 bayes= 8. 95565 E= 4. 5e+004

-765	-765	234	-765
-765	234	-765	-765
-765	134	-765	72
72	-765	134	-765
172	-765	-765	-765
172	-765	-765	-765
-765	-765	-765	172
-765	-765	234	-765
-765	134	-765	72
-765	-765	-765	172
72	-765	134	-765
-765	234	-765	-765
72	-765	-765	72
-765	-765	-765	172
-765	-765	234	-765
172	-765	-765	-765
-765	-765	-765	172
-765	-765	234	-765

ALPHABET= ACGT

>srs5_007. 9

log-odds matrix: alength= 4 w= 11 n= 1011 bayes= 8. 97871 E= 5. 0e+004

-765	-765	-765	172
-765	-765	234	-765
-765	-765	-765	172
-765	234	-765	-765
-765	-765	-765	172
-765	-765	-765	172
-765	-765	-765	172
-765	-765	-765	172
-765	134	134	-765
72	134	-765	-765
-765	234	-765	-765

ALPHABET= ACGT

>srs5_009. 1

log-odds matrix: alength= 4 w= 40 n= 806 bayes= 8. 06429 E= 7. 3e+003

-823	178	78	-823
-823	178	78	-823
170	-823	-823	-823
-823	-823	-823	170
170	-823	-823	-823
112	-823	-823	12
-823	78	178	-823
12	178	-823	-823
-823	78	-823	112
112	-823	78	-823
112	78	-823	-823
12	-823	-823	112
-823	178	78	-823

74203Suppl emental _CNSmatri ces. pssm. txt

```

-823 -823 -823 170
-823 -823 178 12
-823 -823 236 -823
-823 78 78 12
170 -823 -823 -823
12 -823 78 12
12 178 -823 -823
12 78 -823 12
-823 178 -823 12
-823 -823 -823 170
-823 -823 78 112
12 -823 -823 112
12 78 -823 12
170 -823 -823 -823
-823 236 -823 -823
170 -823 -823 -823
12 -823 -823 112
-823 -823 -823 170
-823 -823 -823 170
112 -823 78 -823
-823 -823 236 -823
12 -823 78 12
12 178 -823 -823
170 -823 -823 -823
-823 -823 -823 170
-823 -823 78 112
-823 -823 -823 170

```

ALPHABET= ACGT

>srsc5_009. 2

log-odds matrix: alength= 4 w= 10 n= 896 bayes= 8. 21755 E= 1. 5e+004

```

-823 -823 -823 170
-823 236 -823 -823
170 -823 -823 -823
-823 78 -823 112
12 -823 178 -823
-823 -823 -823 170
-823 -823 -823 170
170 -823 -823 -823
-823 236 -823 -823
170 -823 -823 -823

```

ALPHABET= ACGT

>srsc5_009. 3

log-odds matrix: alength= 4 w= 20 n= 866 bayes= 8. 16825 E= 2. 8e+004

```

-823 -823 236 -823
170 -823 -823 -823
12 78 78 -823
-823 -823 -823 170
-823 78 78 12
112 -823 78 -823
112 -823 78 -823
112 78 -823 -823
170 -823 -823 -823
-823 -823 -823 170
-823 -823 -823 170
-823 -823 78 112
-823 -823 -823 170
12 -823 178 -823
-823 78 -823 112
-823 -823 -823 170

```

74203Suppl emental _CNSmatri ces. pssm. txt

```
-823 -823 -823 170
-823 78 178 -823
-823 236 -823 -823
170 -823 -823 -823
```

ALPHABET= ACGT

>srs5_009. 4

log-odds matrix: alength= 4 w= 21 n= 863 bayes= 8.16323 E= 7.9e+004

```
-823 -823 178 12
-823 -823 -823 170
12 -823 -823 112
-823 -823 236 -823
-823 -823 -823 170
-823 78 -823 112
-823 -823 178 12
12 -823 178 -823
170 -823 -823 -823
112 -823 -823 12
-823 -823 -823 170
-823 78 -823 112
-823 236 -823 -823
112 -823 78 -823
12 -823 178 -823
12 -823 78 12
-823 178 -823 12
-823 -823 78 112
170 -823 -823 -823
170 -823 -823 -823
-823 236 -823 -823
```

ALPHABET= ACGT

>srs5_011. 1

log-odds matrix: alength= 4 w= 30 n= 213 bayes= 6.7211 E= 4.5e+002

```
171 -765 -765 -765
171 -765 -765 -765
171 -765 -765 -765
-765 -765 236 -765
71 -765 136 -765
-765 -765 -765 171
-765 236 -765 -765
-765 -765 -765 171
-765 -765 236 -765
-765 -765 -765 171
71 -765 136 -765
-765 -765 236 -765
171 -765 -765 -765
-765 136 136 -765
-765 236 -765 -765
171 -765 -765 -765
171 -765 -765 -765
-765 -765 -765 171
-765 -765 136 71
-765 -765 236 -765
171 -765 -765 -765
171 -765 -765 -765
171 -765 -765 -765
71 -765 136 -765
-765 -765 236 -765
171 -765 -765 -765
171 -765 -765 -765
```

74203Suppl emental _CNSmatri ces. pssm. txt

```

171 -765 -765 -765
-765 -765 -765 171

```

ALPHABET= ACGT

>srs5_011.2

log-odds matrix: alength= 4 w= 10 n= 253 bayes= 6.97154 E= 1.7e+003

```

-765 -765 -765 171
-765 -765 236 -765
171 -765 -765 -765
-765 136 136 -765
-765 236 -765 -765
-765 236 -765 -765
171 -765 -765 -765
171 -765 -765 -765
171 -765 -765 -765
171 -765 -765 -765

```

ALPHABET= ACGT

>srs5_012.1

log-odds matrix: alength= 4 w= 33 n= 813 bayes= 8.07682 E= 8.5e-003

```

-823 231 -823 -823
174 -823 -823 -823
-823 -823 -823 174
-823 73 173 -823
-823 173 -823 16
-823 -823 -823 174
-823 -823 231 -823
-823 -823 -823 174
-823 173 73 -823
174 -823 -823 -823
-823 -823 -823 174
-823 -823 231 -823
174 -823 -823 -823
174 -823 -823 -823
16 173 -823 -823
-823 -823 -823 174
-823 -823 -823 174
16 -823 173 -823
-823 73 -823 115
-823 -823 231 -823
174 -823 -823 -823
-823 -823 231 -823
115 73 -823 -823
-823 173 -823 16
174 -823 -823 -823
174 -823 -823 -823
-823 231 -823 -823
-823 231 -823 -823
135 -158 -158 -158
16 173 -823 -823
174 -823 -823 -823
-823 -823 -823 174
-823 -823 -823 174

```

ALPHABET= ACGT

>srs5_012.2

log-odds matrix: alength= 4 w= 32 n= 816 bayes= 8.08215 E= 1.9e+000

```

-823 -823 -823 174
-823 73 -823 115
-823 -823 -823 174

```

74203Suppl emental _CNSmatri ces. pssm. txt

```

-823 -823 -823 174
-823 173 -823 16
-823 173 73 -823
-823 231 -823 -823
-823 173 -823 16
-823 -823 73 115
-823 173 73 -823
-823 -823 -823 174
-823 -823 173 16
-823 73 -823 115
-823 231 -823 -823
174 -823 -823 -823
174 -823 -823 -823
16 173 -823 -823
-823 -823 -823 174
-823 -823 -823 174
174 -823 -823 -823
16 -823 -823 115
-823 73 173 -823
174 -823 -823 -823
-823 -823 -823 174
-823 231 -823 -823
-823 -823 -823 174
-823 -823 -823 174
-823 -823 -823 174
-823 73 -823 115
-823 -823 231 -823
-823 73 -823 115
-823 -823 231 -823

```

ALPHABET= ACGT

>spsc5_012. 3

log-odds matrix: al length= 4 w= 10 n= 882 bayes= 8. 19476 E= 9. 1e+003

```

-823 -823 -823 174
-823 -823 -823 174
-823 -823 -823 174
-823 -823 -823 174
16 73 73 -823
-823 -823 -823 174
-823 -823 -823 174
-823 -823 -823 174
-823 231 -823 -823
-823 231 -823 -823

```

ALPHABET= ACGT

>spsc5_012. 4

log-odds matrix: al length= 4 w= 11 n= 879 bayes= 8. 18982 E= 3. 9e+005

```

-823 -823 231 -823
174 -823 -823 -823
115 -823 -823 16
-823 -823 -823 174
-823 -823 -823 174
115 -823 -823 16
16 -823 73 16
16 73 73 -823
174 -823 -823 -823
-823 -823 231 -823
174 -823 -823 -823

```

ALPHABET= ACGT

74203Suppl emental _CNSmatri ces. pssm. txt

>srsc5_012. 5

log-odds matrix: alength= 4 w= 50 n= 762 bayes= 7. 98299 E= 9. 9e+007

-158	-158	-158	135
-158	-158	-158	135
-158	-158	186	-158
-158	186	-158	-158
53	-158	99	-158
-158	186	-158	-158
53	-158	-158	53
53	-158	99	-158
-158	-158	-158	135
-158	-158	-158	135
-158	-158	186	-158
-158	-158	186	-158
-158	-158	-158	135
-158	99	99	-158
53	-158	99	-158
-158	-158	99	53
-158	-158	-158	135
-158	-158	-158	135
-158	-158	-158	135
-158	186	-158	-158
-158	-158	-158	135
135	-158	-158	-158
53	-158	99	-158
-158	186	-158	-158
-158	-158	-158	135
-158	-158	186	-158
135	-158	-158	-158
-158	-158	-158	135
-158	-158	-158	135
-158	-158	-158	135
-158	-158	-158	135
-158	-158	-158	135
-158	-158	-158	135
-158	-158	-158	135
-158	-158	-158	135
-158	-158	-158	135
-158	-158	186	-158
-158	-158	-158	135
-158	99	-158	53
-158	186	-158	-158
-158	-158	-158	135
-158	-158	-158	135
135	-158	-158	-158
-158	186	-158	-158
-158	99	-158	53
53	-158	-158	53
-158	-158	-158	135
-158	-158	186	-158
-158	-158	-158	135
135	-158	-158	-158
-823	-823	173	16

ALPHABET= ACGT

>srsc5_012. 6

log-odds matrix: alength= 4 w= 14 n= 870 bayes= 8. 17493 E= 1. 6e+008

-158	-158	-158	135
-158	186	-158	-158
-158	-158	-158	135
53	-158	99	-158
135	-158	-158	-158
-158	186	-158	-158

74203Suppl emental _CNSmatri ces. pssm. txt

```
-158 -158 -158 135
-158 -158 -158 135
-158 -158 -158 135
-158 -158 -158 135
 53 -158 99 -158
-158 -158 186 -158
-158 -158 -158 135
-158 -158 -158 135
```

ALPHABET= ACGT

>srsc5_012.7

log-odds matrix: alength= 4 w= 13 n= 873 bayes= 8.17991 E= 1.6e+008

```
-158 -158 -158 135
-158 -158 -158 186 -158
-158 -158 -158 135
-158 -158 -158 135
 53 -158 99 -158
-158 -158 -158 135
-158 -158 -158 135
-158 -158 -158 135
135 -158 -158 -158
-158 -158 -158 135
-158 -158 186 -158
-158 -158 -158 135
-158 -158 -158 135
```

ALPHABET= ACGT

>srsc5_014.1

log-odds matrix: alength= 4 w= 15 n= 502 bayes= 7.37793 E= 1.5e+004

```
186 -823 -823 -823
-823 -823 -823 157 27
-823 -823 215 -823
-823 -823 -823 186
-823 -823 -823 186
-823 157 -823 27
-823 57 -823 127
-823 157 -823 27
-823 -823 -823 186
-823 -823 -823 186
 27 57 57 -823
186 -823 -823 -823
186 -823 -823 -823
 27 -823 157 -823
186 -823 -823 -823
```

ALPHABET= ACGT

>srsc5_014.3

log-odds matrix: alength= 4 w= 12 n= 511 bayes= 7.40372 E= 4.6e+004

```
-823 -823 215 -823
 27 -823 -823 127
127 -823 57 -823
-823 -823 -823 186
-823 -823 -823 186
-823 -823 -823 186
-823 -823 -823 186
-823 57 157 -823
-823 57 -823 127
 27 157 -823 -823
-823 -823 -823 186
-823 -823 -823 186
```


ALPHABET= ACGT

>spsc5_020. 1

log-odds matrix: alength= 4 w= 10 n= 1460 bayes= 8. 92382 E= 1. 2e+006

-823	-823	-823	192
192	-823	-823	-823
192	-823	-823	-823
-823	-823	208	-823
-823	-823	-823	192
-823	-823	208	-823
-158	-158	-158	151
-158	-158	166	-158
-158	166	-158	-158
192	-823	-823	-823

ALPHABET= ACGT

>spsc5_020. 2

log-odds matrix: alength= 4 w= 14 n= 1448 bayes= 8. 91189 E= 2. 3e+006

-823	-823	208	-823
-823	-823	208	-823
133	50	-823	-823
133	50	-823	-823
192	-823	-823	-823
133	-823	-823	33
-823	50	50	33
133	-823	-823	33
-823	-823	-823	192
-823	-823	-823	192
192	-823	-823	-823
-823	-823	-823	192
33	-823	150	-823
-823	150	50	-823

ALPHABET= ACGT

>spsc5_022. 1

log-odds matrix: alength= 4 w= 28 n= 1368 bayes= 8. 82972 E= 1. 5e+001

-823	-823	-823	184
-823	-823	-823	184
-823	-823	-823	184
-823	217	-823	-823
-823	-823	-823	184
-823	-823	217	-823
184	-823	-823	-823
126	-823	-823	26
26	-823	158	-823
-823	217	-823	-823
-823	-823	-823	184
26	-823	158	-823
184	-823	-823	-823
-823	59	-823	126
-823	-823	-823	184
-823	-823	217	-823
184	-823	-823	-823
-823	217	-823	-823
-823	-823	-823	184
-823	-823	-823	184
126	-823	59	-823
126	-823	-823	26
126	-823	59	-823
184	-823	-823	-823

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184	-823	-823	-823
184	-823	-823	-823
126	59	-823	-823
-823	217	-823	-823

ALPHABET= ACGT

>srsc5_022. 2

log-odds matri x: al ength= 4 w= 13 n= 1413 bayes= 8. 87652 E= 4. 3e+003

-823	217	-823	-823
184	-823	-823	-823
-823	-823	-823	184
-823	-823	-823	184
-823	-823	-823	184
184	-823	-823	-823
26	-823	-823	126
-823	-823	-823	184
-823	-823	-823	184
-823	217	-823	-823
184	-823	-823	-823
-823	-823	-823	184
-823	-823	-823	184

ALPHABET= ACGT

>srsc5_022. 3

log-odds matri x: al ength= 4 w= 13 n= 1413 bayes= 8. 87652 E= 9. 0e+003

-823	-823	-823	184
-823	217	-823	-823
184	-823	-823	-823
-823	-823	-823	184
26	-823	158	-823
-823	-823	-823	184
-823	-823	158	26
-823	-823	217	-823
-823	-823	-823	184
-823	-823	217	-823
26	158	-823	-823
-823	-823	-823	184
-823	-823	-823	184

ALPHABET= ACGT

>srsc5_022. 4

log-odds matri x: al ength= 4 w= 15 n= 1407 bayes= 8. 87036 E= 4. 1e+004

-823	59	158	-823
-823	-823	-823	184
-823	-823	-823	184
184	-823	-823	-823
-823	-823	-823	184
26	-823	59	26
-823	-823	217	-823
184	-823	-823	-823
-823	59	158	-823
-823	-823	158	26
-823	-823	-823	184
26	-823	158	-823
184	-823	-823	-823
-823	-823	-823	184
-823	-823	-823	184

ALPHABET= ACGT

74203Suppl emental _CNSmatri ces. pssm. txt

>srs5_022. 5

log-odds matrix: alength= 4 w= 10 n= 1422 bayes= 8. 8857 E= 8. 8e+005

184	-823	-823	-823
-823	-823	-823	184
-823	217	-823	-823
-823	158	-823	26
-823	-823	-823	184
184	-823	-823	-823
26	-823	-823	126
-823	-823	59	126
184	-823	-823	-823
-823	-823	-823	184

ALPHABET= ACGT

>srs5_022. 6

log-odds matrix: alength= 4 w= 11 n= 1419 bayes= 8. 88264 E= 2. 8e+006

-823	-823	-823	184
-823	-823	59	126
26	-823	158	-823
126	-823	-823	26
-823	217	-823	-823
126	-823	-823	26
-823	-823	-823	184
-823	-823	217	-823
-823	-823	-823	184
126	-823	59	-823
-823	-823	-823	184

ALPHABET= ACGT

>srs5_022. 7

log-odds matrix: alength= 4 w= 12 n= 1416 bayes= 8. 87958 E= 1. 2e+007

184	-823	-823	-823
184	-823	-823	-823
126	-823	59	-823
184	-823	-823	-823
126	-823	-823	26
26	-823	59	26
26	158	-823	-823
-823	-823	-823	184
26	158	-823	-823
-823	-823	-823	184
-823	59	-823	126
184	-823	-823	-823

ALPHABET= ACGT

>srs5_024. 1

log-odds matrix: alength= 4 w= 36 n= 619 bayes= 8. 26913 E= 1. 5e+003

192	-765	-765	-765
192	-765	-765	-765
192	-765	-765	-765
-765	207	-765	-765
192	-765	-765	-765
-765	-765	-765	192
-765	-765	207	-765
192	-765	-765	-765
-765	-765	207	-765
92	-765	-765	92
-765	-765	207	-765
-765	-765	207	-765
-765	207	-765	-765

74203Suppl emental _CNSmatri ces. pssm. txt

```

-765 -765 -765 192
-765 -765 207 -765
-765 -765 -765 192
192 -765 -765 -765
192 -765 -765 -765
-765 -765 -765 192
-765 -765 207 -765
-765 108 108 -765
-765 -765 108 92
-765 -765 -765 192
-765 -765 207 -765
-765 108 -765 92
-765 -765 -765 192
-765 207 -765 -765
-765 -765 -765 192
-765 207 -765 -765
-765 108 -765 92
192 -765 -765 -765
192 -765 -765 -765
-765 -765 -765 192
-765 -765 -765 192
-765 207 -765 -765
-765 -765 -765 192

```

ALPHABET= ACGT

>srsc5_024. 2

log-odds matrix: al length= 4 w= 10 n= 671 bayes= 8. 38586 E= 2. 2e+004

```

-765 207 -765 -765
-765 207 -765 -765
-765 207 -765 -765
-765 -765 -765 192
192 -765 -765 -765
192 -765 -765 -765
192 -765 -765 -765
92 -765 -765 92
-765 207 -765 -765
-765 -765 -765 192

```

ALPHABET= ACGT

>srsc6_001. 1

log-odds matrix: al length= 4 w= 12 n= 1958 bayes= 8. 93221 E= 5. 3e+002

```

-865 -865 -865 178
-865 26 184 -865
-865 -865 -865 178
-865 -865 -865 178
-865 26 -865 136
-865 -865 -865 178
-865 226 -865 -865
-865 -865 -865 178
-865 -865 -865 178
-865 -865 226 -865
-865 26 -865 136
-865 -865 -865 178

```

ALPHABET= ACGT

>srsc6_001. 2

log-odds matrix: al length= 4 w= 11 n= 1962 bayes= 8. 93517 E= 2. 6e+005

```

178 -865 -865 -865
-865 -865 26 136
-22 -865 -865 136

```

74203Suppl emental _CNSmatri ces. pssm. txt

```
-199 53 -199 97
-865 226 -865 -865
-865 -865 -865 178
-865 -865 -865 178
-865 -865 -865 178
-865 -865 26 136
-865 -865 -865 178
-865 -865 226 -865
```

ALPHABET= ACGT

>srsc6_001.3

log-odds matrix: alength= 4 w= 11 n= 1962 bayes= 8.93517 E= 4.9e+010

```
-199 -199 194 -199
150 -199 -199 -199
150 -199 -199 -199
150 -199 -199 -199
-199 -199 53 97
15 -199 140 -199
97 53 -199 -199
97 53 -199 -199
-199 194 -199 -199
-865 -865 -865 178
-865 -865 -865 178
```

ALPHABET= ACGT

>srsc6_001.6

log-odds matrix: alength= 4 w= 10 n= 1966 bayes= 8.93811 E= 2.9e+011

```
-199 -199 194 -199
15 140 -199 -199
-199 -199 -199 150
150 -199 -199 -199
150 -199 -199 -199
-199 -199 -199 150
15 -199 -199 97
-199 -199 -199 150
-199 -199 194 -199
-199 -199 -199 150
```

ALPHABET= ACGT

>srsc6_001.8

log-odds matrix: alength= 4 w= 11 n= 1962 bayes= 8.93517 E= 4.6e+011

```
-199 -199 -199 150
-199 194 -199 -199
-199 -199 -199 150
-199 53 -199 97
-199 -199 -199 150
97 -199 53 -199
-100 153 -100 -100
-199 -199 -199 150
-199 -199 -199 150
-199 -199 -199 150
-199 -199 -199 150
```

ALPHABET= ACGT

>srsc6_004.1

log-odds matrix: alength= 4 w= 30 n= 1049 bayes= 8.4457 E= 6.5e+004

```
-823 -823 209 -823
-823 51 150 -823
133 51 -823 -823
```

74203Suppl emental _CNSmatri ces. pssm. txt

```

191 -823 -823 -823
 33 -823 51 33
 33 -823 -823 133
-823 209 -823 -823
 33 51 -823 33
 33 -823 51 33
-823 -823 51 133
-823 -823 209 -823
-823 -823 209 -823
-823 -823 150 33
 33 -823 51 33
 191 -823 -823 -823
-823 -823 -823 191
 33 -823 150 -823
-823 -823 -823 191
-823 -823 51 133
-158 -158 -158 151
-823 150 -823 33
 33 -823 150 -823
-823 -823 -823 191
-823 -823 209 -823
 133 -823 51 -823
-823 209 -823 -823
-823 51 -823 133
-823 -823 -823 191
 133 -823 -823 33
-823 -823 -823 191

```

ALPHABET= ACGT

>srsc6_004. 2

log-odds matrix: alength= 4 w= 13 n= 1100 bayes= 8. 51439 E= 1. 8e+005

```

-823 -823 -823 191
-823 -823 -823 191
 33 51 -823 33
-823 -823 -823 191
-823 51 150 -823
 191 -823 -823 -823
 191 -823 -823 -823
 33 150 -823 -823
 33 -823 -823 133
-823 -823 -823 191
 33 150 -823 -823
 191 -823 -823 -823
-823 -823 209 -823

```

ALPHABET= ACGT

>srsc6_007. 1

log-odds matrix: alength= 4 w= 21 n= 1428 bayes= 8. 89178 E= 2. 2e+005

```

-823 -823 -823 180
 22 -823 164 -823
-823 164 -823 22
-823 -823 -823 180
-823 -823 -823 180
-823 -823 -823 180
-823 -823 64 121
 121 -823 -823 22
 121 -823 -823 22
-823 64 64 22
-823 -823 223 -823
-823 -823 -823 180
 22 -823 64 22

```

74203Suppl emental _CNSmatri ces. pssm. txt

180	-823	-823	-823
-823	164	-823	22
-823	164	-823	22
-823	-823	-823	180
-823	-823	-823	180
-823	-823	-823	180
180	-823	-823	-823
180	-823	-823	-823

ALPHABET= ACGT

>srsc6_007. 4

log-odds matrix: alength= 4 w= 10 n= 1461 bayes= 8.92481 E= 4.9e+005

-823	164	64	-823
-823	223	-823	-823
180	-823	-823	-823
-823	-823	-823	180
121	64	-823	-823
-823	-823	-823	180
-823	-823	-823	180
121	-823	64	-823
180	-823	-823	-823
-823	-823	-823	180

ALPHABET= ACGT

>srsc6_007. 6

log-odds matrix: alength= 4 w= 11 n= 1458 bayes= 8.92184 E= 3.5e+006

-823	-823	-823	180
180	-823	-823	-823
-823	64	-823	121
-823	-823	-823	180
-823	64	-823	121
-823	64	64	22
-823	-823	-823	180
180	-823	-823	-823
-823	-823	-823	180
-823	164	-823	22
-823	-823	-823	180

ALPHABET= ACGT

>srsc6_007. 8

log-odds matrix: alength= 4 w= 10 n= 1461 bayes= 8.92481 E= 2.3e+006

-823	-823	-823	180
-823	164	-823	22
180	-823	-823	-823
180	-823	-823	-823
180	-823	-823	-823
22	-823	164	-823
121	64	-823	-823
121	-823	-823	22
-823	-823	223	-823
180	-823	-823	-823

ALPHABET= ACGT

>srsc6_007. 9

log-odds matrix: alength= 4 w= 14 n= 1449 bayes= 8.91289 E= 1.8e+007

-823	-823	-823	180
-823	64	-823	121
-823	-823	-823	180
-158	-158	-158	141

74203Suppl emental _CNSmatri ces. pssm. txt

-823	164	-823	22
-158	179	-158	-158
-823	164	-823	22
-823	223	-823	-823
22	-823	-823	121
-823	64	64	22
-823	-823	-823	180
-823	-823	-823	180
121	-823	-823	22
-823	-823	-823	180

ALPHABET= ACGT

>srsc6_010.1

log-odds matrix: alength= 4 w= 41 n= 1392 bayes= 8.85487 E= 1.3e+002

171	-823	-823	-823
-823	178	78	-823
112	-823	-823	12
12	-823	178	-823
-823	236	-823	-823
171	-823	-823	-823
-823	78	78	12
-823	-823	-823	171
171	-823	-823	-823
-823	78	78	12
-823	178	78	-823
-823	-823	236	-823
171	-823	-823	-823
-823	-823	-823	171
-823	-823	236	-823
171	-823	-823	-823
-823	178	78	-823
171	-823	-823	-823
-823	178	-823	12
-823	-823	-823	171
-158	-158	-158	133
-823	-823	178	12
12	-823	-823	112
-823	-823	236	-823
-158	191	-158	-158
-823	-823	78	112
-823	178	-823	12
171	-823	-823	-823
-823	178	78	-823
171	-823	-823	-823
-823	-823	178	12
171	-823	-823	-823
12	178	-823	-823
-823	-823	-823	171
-823	78	178	-823
12	78	78	-823
-158	-158	-158	133
-823	-823	-823	171
-823	78	-823	112
-823	-823	-823	171
171	-823	-823	-823

ALPHABET= ACGT

>srsc6_010.2

log-odds matrix: alength= 4 w= 25 n= 1440 bayes= 8.90388 E= 3.0e+004

-823	-823	236	-823
-823	-823	236	-823

74203Suppl emental _CNSmatri ces. pssm. txt

```

-823    78    -823    112
 171   -823   -823   -823
-823   -823   -823    171
 12    178   -823   -823
-823   -823   -823    171
-823   -823   -823    171
 12    78    -823    12
 171   -823   -823   -823
-823   -823   -823    171
 12    178   -823   -823
-823   -823   -823    171
-823    78   -823    112
 112   -823   -823    12
-823   178   -823    12
 133  -158  -158   -158
-823   -823    236   -823
 12    178   -823   -823
 112   -823   -823    12
 171   -823   -823   -823
-823   -823    78    112
 171   -823   -823   -823
 12    -823   -823    112
-823   -823    236   -823

```

ALPHABET= ACGT

>srsc6_010.4

log-odds matrix: al length= 4 w= 21 n= 1452 bayes= 8.91588 E= 6.9e+004

```

-823    178    78    -823
-823   -823    78    112
-823   -823   -823    171
-823   -823   -823    171
-823   -823    178    12
-823   -823   -823    171
-158  -158    103    51
 171   -823   -823   -823
 12    178   -823   -823
-823    236   -823   -823
-823   -823   -823    171
 171   -823   -823   -823
 171   -823   -823   -823
-823    178   -823    12
 171   -823   -823   -823
 12    -823   -823    112
-823    178    78   -823
 171   -823   -823   -823
 12    -823   -823    112
-158  -158    191   -158
-823    236   -823   -823

```

ALPHABET= ACGT

>srsc6_010.5

log-odds matrix: al length= 4 w= 11 n= 1482 bayes= 8.94544 E= 1.6e+006

```

-823   -823   -823    171
 12   -823    178   -823
-823   -823   -823    171
 171   -823   -823   -823
-823    178    78   -823
-823   -823   -823    171
 171   -823   -823   -823
 112   -823   -823    12
 12   -823    178   -823

```

74203Suppl emental _CNSmatri ces. pssm. txt

```
-823 178 78 -823
171 -823 -823 -823
```

ALPHABET= ACGT

>srsc6_016. 1

log-odds matrix: alength= 4 w= 24 n= 1210 bayes= 8.23601 E= 2.5e-001

```
184 -865 -865 -865
-865 17 -865 143
184 -865 -865 -865
-865 -865 217 -865
-865 217 -865 -865
184 -865 -865 -865
-15 175 -865 -865
184 -865 -865 -865
-15 117 -865 -15
-15 175 -865 -865
84 -865 117 -865
84 -865 117 -865
-865 217 -865 -865
143 -865 17 -865
84 -865 -865 84
-865 -865 -865 184
-865 217 -865 -865
184 -865 -865 -865
-15 -865 175 -865
-865 -865 -865 184
-865 -865 117 84
-15 -865 175 -865
-865 -865 -865 184
-865 -865 17 143
```

ALPHABET= ACGT

>srsc6_016. 3

log-odds matrix: alength= 4 w= 29 n= 1190 bayes= 8.21189 E= 3.5e+009

```
-865 175 17 -865
-865 -865 -865 184
-865 -865 217 -865
-865 -865 175 -15
156 -199 -199 -199
156 -199 -199 -199
20 132 -199 -199
103 -199 -199 20
-199 -199 -199 156
-199 -199 46 103
-199 132 -199 20
103 46 -199 -199
-199 -199 -199 156
-199 -199 46 103
-199 46 132 -199
-199 132 -199 20
-199 46 -199 103
-199 -199 -199 156
-199 132 46 -199
20 46 46 -199
-199 -199 46 103
-199 -199 186 -199
20 -199 132 -199
156 -199 -199 -199
-199 -199 -199 156
20 -199 132 -199
-199 -199 -199 156
```

74203Suppl emental _CNSmatri ces. pssm. txt

-15 -865 175 -865
 184 -865 -865 -865

ALPHABET= ACGT

>srsc6_016.4

log-odds matrix: alength= 4 w= 50 n= 1106 bayes= 8.10591 E= 8.9e+009

156	-199	-199	-199
-199	-199	-199	156
-199	186	-199	-199
-199	186	-199	-199
156	-199	-199	-199
-199	46	-199	103
20	-199	132	-199
156	-199	-199	-199
-199	46	-199	103
-199	-199	132	20
156	-199	-199	-199
156	-199	-199	-199
20	-199	132	-199
20	-199	-199	103
-199	46	-199	103
-199	186	-199	-199
156	-199	-199	-199
-199	46	-199	103
-199	-199	132	20
103	-199	46	-199
156	-199	-199	-199
20	132	-199	-199
103	-199	-199	20
156	-199	-199	-199
20	-199	-199	103
-199	46	-199	103
-199	46	-199	103
103	46	-199	-199
20	-199	-199	103
20	-199	-199	103
20	-199	-199	103
103	-199	46	-199
-15	17	-865	84
-865	17	17	84
-15	-865	175	-865
-15	-865	-865	143
-865	-865	17	143
-865	175	17	-865
84	-865	-865	84
-15	17	-865	84
-15	175	-865	-865
143	17	-865	-865
84	17	17	-865
143	-865	-865	-15
143	-865	-865	-15
84	17	17	-865
-865	-865	17	143
-865	217	-865	-865
184	-865	-865	-865
184	-865	-865	-865

ALPHABET= ACGT

>srsc6_016.5

log-odds matrix: alength= 4 w= 10 n= 1266 bayes= 8.3015 E= 1.6e+008

-199	-199	186	-199
------	------	-----	------

74203Suppl emental _CNSmatri ces. pssm. txt

156	-199	-199	-199
-199	-199	46	103
-199	-199	186	-199
-15	117	-865	-15
-15	-865	175	-865
-865	-865	-865	184
-865	-865	-865	184
-865	17	17	84
-865	-865	217	-865

ALPHABET= ACGT

>srsc6_016.7

log-odds matrix: alength= 4 w= 11 n= 1262 bayes= 8.29692 E= 5.0e+010

-199	-199	186	-199
-199	46	46	20
-199	-199	-199	156
156	-199	-199	-199
-199	-199	132	20
20	-199	132	-199
-199	132	-199	20
-199	-199	186	-199
103	-199	46	-199
-199	-199	186	-199
156	-199	-199	-199

ALPHABET= ACGT

>srsc6_018.10

log-odds matrix: alength= 4 w= 10 n= 1200 bayes= 8.64024 E= 4.6e+006

-823	-823	229	-823
-823	-823	170	17
-158	-158	-158	137
117	-823	-823	17
-158	-158	-158	137
-158	97	-158	55
-823	229	-823	-823
-823	-823	-823	175
-823	-823	-823	175
-823	-823	-823	175

ALPHABET= ACGT

>srsc6_018.1

log-odds matrix: alength= 4 w= 18 n= 1176 bayes= 8.61102 E= 1.8e+002

175	-823	-823	-823
-823	229	-823	-823
-823	170	-823	17
-823	-823	-823	175
17	70	-823	17
-823	229	-823	-823
-823	170	-823	17
-823	-823	-823	175
-823	-823	-823	175
-823	-823	-823	175
-823	229	-823	-823
175	-823	-823	-823
17	-823	170	-823
175	-823	-823	-823
-823	-823	-823	175
-823	229	-823	-823
-823	-823	-823	175
175	-823	-823	-823

ALPHABET= ACGT

>srsc6_018. 2

log-odds matrix: alength= 4 w= 11 n= 1197 bayes= 8. 63662 E= 2. 0e+004

-823	-823	229	-823
-823	70	-823	117
117	-823	-823	17
-823	-823	70	117
175	-823	-823	-823
-823	229	-823	-823
-823	-823	-823	175
-823	-823	-823	175
-823	-823	229	-823
-823	-823	-823	175
-823	-823	229	-823

ALPHABET= ACGT

>srsc6_018. 5

log-odds matrix: alength= 4 w= 11 n= 1197 bayes= 8. 63662 E= 1. 7e+005

-823	-823	-823	175
-823	-823	229	-823
-823	-823	229	-823
-823	70	-823	117
-823	70	-823	117
17	-823	-823	117
-823	-823	-823	175
117	-823	70	-823
17	-823	170	-823
-823	-823	229	-823
-823	-823	229	-823

ALPHABET= ACGT

>srsc6_018. 6

log-odds matrix: alength= 4 w= 11 n= 1197 bayes= 8. 63662 E= 2. 3e+005

-823	70	170	-823
-823	229	-823	-823
-823	-823	-823	175
117	-823	70	-823
-823	229	-823	-823
17	170	-823	-823
175	-823	-823	-823
-158	-158	97	55
117	-823	70	-823
-823	229	-823	-823
-823	-823	-823	175

ALPHABET= ACGT

>srsc6_018. 9

log-odds matrix: alength= 4 w= 11 n= 1197 bayes= 8. 63662 E= 4. 4e+006

175	-823	-823	-823
-823	-823	-823	175
-823	-823	229	-823
137	-158	-158	-158
17	170	-823	-823
-823	-823	-823	175
17	-823	-823	117
-158	-158	97	55
17	-823	-823	117
-823	170	-823	17

-823 229 -823

-823

ALPHABET= ACGT

>srsc6_020. 1

log-odds matrix: alength= 4 w= 33 n= 594 bayes= 8.20945 E= 2.0e+003

184	-765	-765	-765
-765	-765	-765	184
184	-765	-765	-765
-765	-765	217	-765
-765	217	-765	-765
184	-765	-765	-765
84	117	-765	-765
84	-765	117	-765
-765	-765	-765	184
-765	-765	-765	184
-765	-765	217	-765
184	-765	-765	-765
-765	-765	-765	184
-765	-765	217	-765
184	-765	-765	-765
-765	-765	-765	184
-765	-765	217	-765
184	-765	-765	-765
84	117	-765	-765
-765	-765	-765	184
-765	-765	-765	184
-765	-765	217	-765
-765	-765	-765	184
-765	-765	-765	184
84	-765	117	-765
-765	217	-765	-765
184	-765	-765	-765
184	-765	-765	-765
-765	-765	-765	184
-765	-765	217	-765
-765	217	-765	-765

ALPHABET= ACGT

>srsc6_020. 4

log-odds matrix: alength= 4 w= 10 n= 640 bayes= 8.31741 E= 5.7e+004

-765	-765	-765	184
184	-765	-765	-765
84	-765	117	-765
-765	-765	-765	184
-765	117	117	-765
184	-765	-765	-765
-765	-765	217	-765
184	-765	-765	-765
184	-765	-765	-765
184	-765	-765	-765

ALPHABET= ACGT

>srsc6_020. 6

log-odds matrix: alength= 4 w= 10 n= 640 bayes= 8.31741 E= 6.5e+004

184	-765	-765	-765
-765	-765	-765	184
-765	-765	-765	184
-765	-765	117	84

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-765	-765	217	-765
-765	-765	-765	184
84	117	-765	-765
84	-765	-765	84
-765	-765	217	-765
-765	217	-765	-765

ALPHABET= ACGT

>srsc6_020.7

log-odds matrix: alength= 4 w= 11 n= 638 bayes= 8.31288 E= 1.6e+005

184	-765	-765	-765
-765	-765	-765	184
-765	-765	-765	184
84	-765	-765	84
84	-765	-765	84
84	117	-765	-765
184	-765	-765	-765
184	-765	-765	-765
184	-765	-765	-765
184	-765	-765	-765
184	-765	-765	-765

ALPHABET= ACGT

>srsc6_022.1

log-odds matrix: alength= 4 w= 31 n= 612 bayes= 8.25267 E= 1.9e+002

-765	-765	-765	187
-765	213	-765	-765
187	-765	-765	-765
-765	213	-765	-765
187	-765	-765	-765
87	-765	113	-765
-765	-765	-765	187
187	-765	-765	-765
-765	-765	213	-765
-765	-765	213	-765
187	-765	-765	-765
187	-765	-765	-765
187	-765	-765	-765
-765	-765	-765	187
-765	-765	213	-765
-765	213	-765	-765
-765	213	-765	-765
187	-765	-765	-765
187	-765	-765	-765
187	-765	-765	-765
-765	-765	213	-765
-765	-765	-765	187
187	-765	-765	-765
-765	-765	-765	187
-765	213	-765	-765
187	-765	-765	-765
-765	213	-765	-765
-765	-765	-765	187
187	-765	-765	-765
-765	-765	-765	187
-765	213	-765	-765

ALPHABET= ACGT

>srsc6_022.2

log-odds matrix: alength= 4 w= 19 n= 636 bayes= 8.30834 E= 1.3e+004

74203Suppl emental _CNSmatri ces. pssm. txt

```

187 -765 -765 -765
-765 -765 -765 187
-765 -765 -765 213
-765 -765 -765 187
-765 -765 -765 187
-765 -765 -765 187
-765 213 -765 -765
-765 -765 -765 187
-765 -765 -765 187
-765 -765 -765 187
187 -765 -765 -765
-765 113 -765 87
187 -765 -765 -765
187 -765 -765 -765
-765 213 -765 -765
-765 113 -765 87
-765 -765 -765 187
-765 -765 213 -765
-765 -765 -765 187

```

ALPHABET= ACGT

>srs7_001. 1

log-odds matrix: alength= 4 w= 11 n= 511 bayes= 7.99152 E= 1.6e+004

```

-765 -765 229 -765
-765 -765 129 75
175 -765 -765 -765
175 -765 -765 -765
175 -765 -765 -765
-765 -765 -765 175
175 -765 -765 -765
75 -765 129 -765
175 -765 -765 -765
-765 -765 229 -765
-765 -765 229 -765

```

ALPHABET= ACGT

>srs7_002. 1

log-odds matrix: alength= 4 w= 35 n= 1245 bayes= 8.69349 E= 1.0e-001

```

-823 -823 -823 164
-823 -823 -823 164
-823 -823 88 106
-823 88 -823 106
-823 88 188 -823
-823 188 -823 6
-823 -823 -823 164
6 -823 -823 106
-823 -823 -823 164
-823 -823 247 -823
-823 -823 -823 164
-823 88 -823 106
106 -823 88 -823
164 -823 -823 -823
6 -823 -823 106
-823 -823 247 -823
-823 -823 247 -823
164 -823 -823 -823
164 -823 -823 -823
6 188 -823 -823
-823 -823 -823 164
-823 188 -823 6
6 188 -823 -823

```


74203Suppl emental _CNSmatri ces. pssm. txt

```

164 -823 -823 -823
-823 -823 -823 164
-823 -823 247 -823
164 -823 -823 -823
-823 -823 247 -823
-823 -823 247 -823
-823 -823 -823 164
-823 -823 247 -823
164 -823 -823 -823
-823 188 -823 6
106 88 -823 -823
-823 247 -823 -823

```

ALPHABET= ACGT

>srsc7_002. 2

log-odds matrix: alength= 4 w= 10 n= 1320 bayes= 8. 77808 E= 7. 6e+002

```

-823 -823 247 -823
-823 -823 -823 164
-823 -823 247 -823
-823 247 -823 -823
164 -823 -823 -823
6 -823 88 6
-823 -823 247 -823
164 -823 -823 -823
-823 -823 -823 164
-823 -823 247 -823

```

ALPHABET= ACGT

>srsc7_002. 3

log-odds matrix: alength= 4 w= 15 n= 1305 bayes= 8. 76155 E= 3. 1e+004

```

-823 -823 247 -823
-823 247 -823 -823
-823 -823 -823 164
106 -823 88 -823
-823 -823 188 6
-823 -823 -823 164
164 -823 -823 -823
6 -823 -823 106
-823 -823 -823 164
-823 247 -823 -823
-823 88 -823 106
-823 88 88 6
-823 -823 -823 164
-823 -823 -823 164
-823 -823 -823 164

```

ALPHABET= ACGT

>srsc7_002. 5

log-odds matrix: alength= 4 w= 11 n= 1317 bayes= 8. 77479 E= 4. 9e+004

```

-823 -823 -823 164
-823 -823 88 106
-823 -823 247 -823
-823 247 -823 -823
106 -823 -823 6
6 -823 -823 106
-823 -823 247 -823
-823 188 88 -823
-823 -823 188 6
-823 -823 247 -823
164 -823 -823 -823

```

ALPHABET= ACGT

>srsc7_002. 6

log-odds matrix: alength= 4 w= 12 n= 1314 bayes= 8. 77149 E= 8. 8e+004

164	-823	-823	-823
164	-823	-823	-823
106	-823	88	-823
-823	-823	-823	164
106	-823	88	-823
-823	-823	247	-823
106	88	-823	-823
-823	-823	-823	164
-823	-823	247	-823
-823	-823	-823	164
164	-823	-823	-823
-823	88	188	-823

ALPHABET= ACGT

>srsc7_002. 8

log-odds matrix: alength= 4 w= 11 n= 1317 bayes= 8. 77479 E= 1. 9e+005

-823	-823	-823	164
-823	-823	188	6
-823	88	-823	106
-823	-823	-823	164
-823	-823	247	-823
-823	188	-823	6
164	-823	-823	-823
164	-823	-823	-823
164	-823	-823	-823
-823	-823	-823	164
-823	-823	-823	164

ALPHABET= ACGT

>srsc7_002. 9

log-odds matrix: alength= 4 w= 20 n= 1290 bayes= 8. 74483 E= 2. 2e+005

-823	-823	-823	164
-823	-823	-823	164
-823	-823	-823	164
106	-823	-823	6
-823	88	-823	106
-823	-823	-823	164
106	-823	-823	6
-823	88	88	6
-823	247	-823	-823
6	88	-823	6
6	-823	-823	106
-823	-823	247	-823
-823	188	88	-823
-823	-823	-823	164
-823	88	-823	106
-823	247	-823	-823
46	-158	112	-158
-158	-158	-158	127
-823	-823	-823	164
-823	-823	247	-823

ALPHABET= ACGT

>srsc7_004. 10

log-odds matrix: alength= 4 w= 15 n= 1535 bayes= 8. 99624 E= 1. 1e+005

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```

-823 -823 -823 168
168 -823 -823 -823
-823 81 181 -823
-823 -823 81 110
10 181 -823 -823
10 181 -823 -823
-823 240 -823 -823
-823 81 -823 110
110 -823 -823 10
10 181 -823 -823
168 -823 -823 -823
-823 181 81 -823
-823 240 -823 -823
-823 240 -823 -823
168 -823 -823 -823

```

ALPHABET= ACGT

>srsc7_004.1

log-odds matrix: alength= 4 w= 16 n= 1532 bayes= 8.99341 E= 4.0e+002

```

-823 -823 -823 168
-823 240 -823 -823
-823 181 81 -823
168 -823 -823 -823
-823 -823 -823 168
-823 -823 -823 168
-823 -823 -823 168
-823 -823 -823 168
-823 240 -823 -823
-823 -823 -823 168
-823 -823 240 -823
-823 -823 -823 168
-823 -823 -823 168
110 -823 -823 10
-823 240 -823 -823
110 81 -823 -823
168 -823 -823 -823

```

ALPHABET= ACGT

>srsc7_004.2

log-odds matrix: alength= 4 w= 20 n= 1520 bayes= 8.98204 E= 6.8e+003

```

-823 240 -823 -823
10 81 -823 10
168 -823 -823 -823
-823 181 81 -823
10 81 -823 10
110 -823 81 -823
168 -823 -823 -823
168 -823 -823 -823
-823 -823 81 110
-823 240 -823 -823
-823 240 -823 -823
168 -823 -823 -823
168 -823 -823 -823
-823 -823 181 10
168 -823 -823 -823
168 -823 -823 -823
168 -823 -823 -823
-823 81 181 -823
-823 -823 -823 168
-823 81 181 -823

```

ALPHABET= ACGT

>srsc7_004. 3

log-odds matrix: alength= 4 w= 14 n= 1538 bayes= 8.99906 E= 1.8e+004

-823	-823	240	-823
-823	-823	-823	168
-823	240	-823	-823
110	-823	-823	10
-823	-823	-823	168
168	-823	-823	-823
168	-823	-823	-823
168	-823	-823	-823
-823	-823	181	10
10	-823	181	-823
-823	-823	240	-823
-823	-823	81	110
-823	-823	-823	168
-823	-823	-823	168

ALPHABET= ACGT

>srsc7_004. 4

log-odds matrix: alength= 4 w= 24 n= 1508 bayes= 8.97059 E= 1.3e+004

168	-823	-823	-823
168	-823	-823	-823
-823	181	81	-823
110	-823	-823	10
-823	-823	-823	168
-823	240	-823	-823
168	-823	-823	-823
10	81	-823	10
168	-823	-823	-823
-823	-823	81	110
110	-823	-823	10
-823	240	-823	-823
10	81	-823	10
110	-823	-823	10
168	-823	-823	-823
10	-823	-823	110
-823	81	181	-823
-823	-823	240	-823
168	-823	-823	-823
10	81	81	-823
168	-823	-823	-823
168	-823	-823	-823
-823	-823	-823	168
-823	-823	240	-823

ALPHABET= ACGT

>srsc7_004. 5

log-odds matrix: alength= 4 w= 10 n= 1550 bayes= 9.01029 E= 1.2e+004

-823	-823	240	-823
168	-823	-823	-823
10	-823	-823	110
-823	-823	240	-823
-823	240	-823	-823
-823	-823	-823	168
168	-823	-823	-823
-823	-823	181	10
-823	-823	240	-823
168	-823	-823	-823

ALPHABET= ACGT

>srsc7_004. 7

log-odds matrix: alength= 4 w= 13 n= 1541 bayes= 9. 00188 E= 3. 6e+004

-823	240	-823	-823
168	-823	-823	-823
10	181	-823	-823
168	-823	-823	-823
-823	-823	-823	168
-823	81	-823	110
168	-823	-823	-823
-823	240	-823	-823
-823	-823	-823	168
-823	-823	181	10
10	-823	-823	110
168	-823	-823	-823
-823	240	-823	-823

ALPHABET= ACGT

>srsc7_005. 1

log-odds matrix: alength= 4 w= 15 n= 825 bayes= 8. 09803 E= 1. 6e+004

-823	224	-823	-823
-823	-823	-823	179
-823	165	-823	21
-823	165	-823	21
120	-823	-823	21
179	-823	-823	-823
-823	66	-823	120
179	-823	-823	-823
-823	-823	-823	179
21	66	-823	21
-823	-823	-823	179
-823	-823	-823	179
-823	-823	-823	179
-823	224	-823	-823
179	-823	-823	-823

ALPHABET= ACGT

>srsc7_005. 2

log-odds matrix: alength= 4 w= 13 n= 831 bayes= 8. 10852 E= 3. 6e+004

-823	-823	-823	179
-823	-823	-823	179
-823	-823	165	21
-823	-823	66	120
-823	-823	165	21
179	-823	-823	-823
179	-823	-823	-823
-823	-823	-823	179
-823	66	165	-823
179	-823	-823	-823
179	-823	-823	-823
-823	66	-823	120
-823	224	-823	-823

ALPHABET= ACGT

>srsc7_005. 3

log-odds matrix: alength= 4 w= 10 n= 840 bayes= 8. 12412 E= 6. 2e+004

-823	-823	-823	179
-823	-823	224	-823
-823	-823	-823	179
120	-823	66	-823

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-823	-823	224	-823
179	-823	-823	-823
21	165	-823	-823
120	-823	-823	21
21	165	-823	-823
-823	-823	224	-823

ALPHABET= ACGT

>srs7_005. 6

log-odds matrix: alength= 4 w= 10 n= 840 bayes= 8. 12412 E= 1. 3e+006

179	-823	-823	-823
120	-823	66	-823
-823	165	-823	21
21	-823	-823	120
21	165	-823	-823
-823	165	66	-823
-823	-823	-823	179
-823	-823	66	120
-823	-823	224	-823
179	-823	-823	-823

ALPHABET= ACGT

>srs7_006. 1

log-odds matrix: alength= 4 w= 28 n= 1565 bayes= 8. 60825 E= 3. 6e+002

-865	-865	245	-865
124	45	-865	-865
165	-865	-865	-865
124	45	-865	-865
-34	-865	-865	124
-865	204	45	-865
124	45	-865	-865
-865	-865	-865	165
-865	-865	245	-865
-865	-865	45	124
-865	145	-865	65
165	-865	-865	-865
65	45	-865	-34
-865	-865	-865	165
-865	-865	204	-34
165	-865	-865	-865
-34	-865	145	-34
-34	-865	204	-865
165	-865	-865	-865
-34	-865	45	65
124	-865	-865	-34
165	-865	-865	-865
-34	204	-865	-865
124	-865	-865	-34
-865	45	204	-865
124	-865	45	-865
124	-865	-865	-34
-865	-865	-865	165

ALPHABET= ACGT

>srs7_006. 4

log-odds matrix: alength= 4 w= 15 n= 1617 bayes= 8. 65553 E= 3. 9e+004

-865	245	-865	-865
-34	45	-865	65
-865	-865	-865	165
165	-865	-865	-865

74203Suppl emental _CNSmatri ces. pssm. txt

-34	-865	45	65
-865	-865	-865	165
-865	45	-865	124
-865	-865	-865	165
124	-865	45	-865
-865	-865	245	-865
-865	145	-865	65
-865	145	-865	65
165	-865	-865	-865
-865	45	45	65
-865	-865	245	-865

ALPHABET= ACGT

>srsc7_006. 8

log-odds matrix: alength= 4 w= 15 n= 1617 bayes= 8. 65553 E= 1. 3e+006

165	-865	-865	-865
-865	-865	245	-865
-34	-865	45	65
-865	-865	-865	165
-34	-865	45	65
138	-199	-199	-199
-865	45	204	-865
-34	45	-865	65
165	-865	-865	-865
124	45	-865	-865
65	-865	45	-34
65	-865	145	-865
-865	204	45	-865
-865	245	-865	-865
165	-865	-865	-865

ALPHABET= ACGT

>srsc7_006. 9

log-odds matrix: alength= 4 w= 10 n= 1637 bayes= 8. 67331 E= 6. 4e+005

-865	245	-865	-865
65	-865	-865	65
-865	-865	-865	165
-865	204	45	-865
165	-865	-865	-865
-865	45	-865	124
-865	-865	-865	165
-34	-865	-865	124
-865	-865	-865	165
-865	-865	-865	165

ALPHABET= ACGT

>srsc7_007. 1

log-odds matrix: alength= 4 w= 12 n= 564 bayes= 8. 13443 E= 1. 7e+004

182	-765	-765	-765
-765	-765	220	-765
82	-765	120	-765
182	-765	-765	-765
82	-765	120	-765
182	-765	-765	-765
182	-765	-765	-765
-765	-765	-765	182
-765	-765	220	-765
182	-765	-765	-765
-765	-765	220	-765
-765	-765	220	-765

ALPHABET= ACGT

>srsc7_007. 2

log-odds matrix: alength= 4 w= 11 n= 566 bayes= 8. 13955 E= 3. 5e+004

-765	-765	220	-765
-765	-765	-765	182
-99	-99	-99	118
82	120	-765	-765
-765	-765	220	-765
-765	120	120	-765
-765	-765	-765	182
182	-765	-765	-765
-765	-765	220	-765
182	-765	-765	-765
182	-765	-765	-765

ALPHABET= ACGT

>srsc7_008. 10

log-odds matrix: alength= 4 w= 13 n= 1795 bayes= 8. 80655 E= 3. 1e+006

174	-865	-865	-865
174	-865	-865	-865
74	-865	131	-865
-865	31	190	-865
12	-199	-199	94
-865	-865	-865	174
133	-865	-865	-26
-26	-865	-865	133
74	-865	131	-865
74	-865	131	-865
-865	-865	-865	174
-865	-865	231	-865
174	-865	-865	-865

ALPHABET= ACGT

>srsc7_008. 1

log-odds matrix: alength= 4 w= 25 n= 1747 bayes= 8. 76736 E= 4. 9e+000

-865	31	-865	133
-865	190	-865	-26
133	31	-865	-865
-865	231	-865	-865
133	-865	-865	-26
74	-865	131	-865
174	-865	-865	-865
174	-865	-865	-865
-26	190	-865	-865
-865	231	-865	-865
-865	131	-865	74
174	-865	-865	-865
133	-865	-865	-26
-865	131	-865	74
-865	231	-865	-865
133	31	-865	-865
-865	31	-865	133
74	-865	131	-865
133	-865	31	-865
133	31	-865	-865
-865	-865	231	-865
-865	-865	231	-865
146	-199	-199	-199
-865	31	190	-865

-865 231 -865

ALPHABET= ACGT

>srsc7_008. 2

log-odds matrix: alength= 4 w= 15 n= 1787 bayes= 8. 80009 E= 2. 8e+004

174	-865	-865	-865
-865	231	-865	-865
-865	-865	-865	174
-26	-865	-865	133
-865	231	-865	-865
-865	231	-865	-865
74	-865	-865	74
133	-865	-865	-26
74	31	31	-865
12	58	-199	12
174	-865	-865	-865
174	-865	-865	-865
174	-865	-865	-865
-26	131	31	-865
174	-865	-865	-865

ALPHABET= ACGT

>srsc7_008. 3

log-odds matrix: alength= 4 w= 15 n= 1787 bayes= 8. 80009 E= 6. 2e+004

-865	-865	-865	174
-865	31	31	74
174	-865	-865	-865
-865	-865	231	-865
74	-865	-865	74
74	31	31	-865
-865	190	-865	-26
-865	190	-865	-26
-865	-865	-865	174
-865	-865	-865	174
-865	-865	231	-865
74	131	-865	-865
133	31	-865	-865
174	-865	-865	-865
-26	190	-865	-865

ALPHABET= ACGT

>srsc7_008. 6

log-odds matrix: alength= 4 w= 15 n= 1787 bayes= 8. 80009 E= 1. 1e+006

-865	-865	-865	174
-865	-865	-865	174
-26	31	31	-26
-865	-865	-865	174
-865	231	-865	-865
-865	-865	-865	174
-865	-865	231	-865
74	-865	-865	74
-26	-865	131	-26
-26	-865	-865	133
-865	131	-865	74
-865	-865	31	133
133	-865	31	-865
-865	31	190	-865
-865	-865	31	133

ALPHABET= ACGT

>srsc7_008. 7

log-odds matrix: alength= 4 w= 12 n= 1799 bayes= 8. 80977 E= 1. 1e+006

174	-865	-865	-865
-865	-865	190	-26
-865	190	-865	-26
-865	231	-865	-865
-26	-865	31	74
-26	31	-865	74
-865	190	31	-865
133	-865	31	-865
174	-865	-865	-865
-865	-865	31	133
-865	-865	231	-865
-865	31	190	-865

ALPHABET= ACGT

>srsc7_008. 8

log-odds matrix: alength= 4 w= 11 n= 1803 bayes= 8. 81298 E= 2. 1e+006

174	-865	-865	-865
94	58	-199	-199
174	-865	-865	-865
74	-865	131	-865
-865	231	-865	-865
174	-865	-865	-865
-865	231	-865	-865
133	-865	-865	-26
74	-865	131	-865
-865	-865	190	-26
-865	-865	190	-26

ALPHABET= ACGT

>srsc7_008. 9

log-odds matrix: alength= 4 w= 15 n= 1787 bayes= 8. 80009 E= 3. 5e+006

-865	-865	-865	174
-865	131	131	-865
174	-865	-865	-865
-865	190	-865	-26
174	-865	-865	-865
-865	190	-865	-26
133	31	-865	-865
174	-865	-865	-865
-26	31	-865	74
133	-865	31	-865
-865	31	190	-865
74	31	-865	-26
-865	-865	31	133
133	31	-865	-865
174	-865	-865	-865

ALPHABET= ACGT

>srsc7_009. 1

log-odds matrix: alength= 4 w= 37 n= 1357 bayes= 8. 40195 E= 6. 2e+002

-865	189	-865	-25
74	-865	131	-865
133	-865	-865	-25
133	-865	31	-865
174	-865	-865	-865
-865	31	-865	133
133	-865	31	-865

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```

-25 -865 131 -25
-25 -865 189 -865
-865 -865 31 133
-199 145 57 -199
133 -865 -865 -25
74 -865 131 -865
133 -865 -865 -25
-865 31 189 -865
-865 231 -865 -865
174 -865 -865 -865
133 31 -865 -865
174 -865 -865 -865
-865 131 131 -865
-25 31 131 -865
-865 189 -865 -25
133 -865 31 -865
-865 31 189 -865
-865 -865 -865 174
-25 -865 189 -865
174 -865 -865 -865
-865 31 -865 133
133 -865 31 -865
74 131 -865 -865
133 -865 31 -865
133 -865 31 -865
74 -865 31 -25
-865 -865 189 -25
133 -865 31 -865
74 -865 131 -865
174 -865 -865 -865

```

ALPHABET= ACGT

>srsc7_009. 2

log-odds matrix: alength= 4 w= 14 n= 1449 bayes= 8.49685 E= 5.2e+004

```

-865 31 189 -865
-865 -865 -865 174
-865 -865 -865 174
-865 -865 -865 174
174 -865 -865 -865
-865 189 -865 -25
-865 189 -865 -25
74 131 -865 -865
133 -865 -865 -25
133 -865 -865 -25
-865 -865 231 -865
-865 31 -865 133
-865 131 -865 74
174 -865 -865 -865

```

ALPHABET= ACGT

>srsc7_009. 3

log-odds matrix: alength= 4 w= 11 n= 1461 bayes= 8.50879 E= 7.3e+004

```

-865 231 -865 -865
174 -865 -865 -865
133 -865 31 -865
133 31 -865 -865
74 -865 31 -25
174 -865 -865 -865
174 -865 -865 -865
133 -865 -865 -25
-865 231 -865 -865

```

133	-865	31	-865
-865	231	-865	-865

ALPHABET= ACGT

>srsc7_009. 4

log-odds matrix: alength= 4 w= 11 n= 1461 bayes= 8. 50879 E= 5. 6e+005

-865	-865	-865	174
-865	-865	-865	174
-25	-865	189	-865
-865	-865	231	-865
-865	31	-865	133
-865	31	-865	133
12	-199	-199	94
-865	-865	231	-865
-865	189	31	-865
74	-865	-865	74
-25	-865	189	-865

ALPHABET= ACGT

>srsc7_009. 5

log-odds matrix: alength= 4 w= 13 n= 1453 bayes= 8. 50084 E= 5. 9e+010

-199	-199	-199	146
146	-199	-199	-199
-199	-199	-199	146
146	-199	-199	-199
-199	199	-199	-199
146	-199	-199	-199
12	-199	145	-199
-199	199	-199	-199
146	-199	-199	-199
-199	57	-199	94
94	-199	57	-199
146	-199	-199	-199
146	-199	-199	-199

ALPHABET= ACGT

>srsc7_009. 6

log-odds matrix: alength= 4 w= 10 n= 1465 bayes= 8. 51274 E= 5. 1e+010

-199	199	-199	-199
12	145	-199	-199
-199	-199	-199	146
-199	-199	-199	146
-199	-199	199	-199
94	-199	-199	12
146	-199	-199	-199
146	-199	-199	-199
94	-199	-199	12
-199	-199	199	-199

ALPHABET= ACGT

>srsc7_009. 8

log-odds matrix: alength= 4 w= 10 n= 1465 bayes= 8. 51274 E= 1. 7e+011

-199	199	-199	-199
146	-199	-199	-199
-199	57	145	-199
-199	145	-199	12
-100	80	-100	42
-100	-100	157	-100
-100	-100	80	42

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42	-100	-100	42
112	-100	-100	-100
112	-100	-100	-100

ALPHABET= ACGT

>srsc7_016.1

log-odds matrix: alength= 4 w= 41 n= 753 bayes= 8.55267 E= 1.5e+002

-765	-765	-765	163
-765	-765	248	-765
-765	-765	-765	163
163	-765	-765	-765
-765	248	-765	-765
163	-765	-765	-765
-765	248	-765	-765
64	-765	-765	64
-765	-765	-765	163
64	-765	148	-765
-765	248	-765	-765
163	-765	-765	-765
-765	148	-765	64
-765	-765	248	-765
163	-765	-765	-765
-765	248	-765	-765
163	-765	-765	-765
-765	-765	-765	163
-765	-765	-765	-765
-765	-765	-765	163
-765	-765	248	-765
163	-765	-765	-765
-765	248	-765	-765
-765	-765	-765	163
163	-765	-765	-765
-765	-765	-765	163
-765	-765	-765	163
-765	-765	248	-765
64	-765	148	-765
-765	-765	-765	163
-765	-765	-765	163
-765	-765	248	-765
-765	248	-765	-765
-765	248	-765	-765
163	-765	-765	-765
64	148	-765	-765
163	-765	-765	-765
-765	248	-765	-765
163	-765	-765	-765
163	-765	-765	-765
163	-765	-765	-765
163	-765	-765	-765
163	-765	-765	-765

ALPHABET= ACGT

>srsc7_016.2

log-odds matrix: alength= 4 w= 13 n= 809 bayes= 8.65642 E= 3.0e+003

-765	248	-765	-765
-765	248	-765	-765
163	-765	-765	-765
163	-765	-765	-765
163	-765	-765	-765
163	-765	-765	-765
-765	-765	248	-765
-765	-765	248	-765
163	-765	-765	-765

74203Suppl emental _CNSmatri ces. pssm. txt

163	-765	-765	-765
163	-765	-765	-765
-765	-765	-765	163
-765	-765	248	-765

ALPHABET= ACGT

>srsc7_016. 6

log-odds matri x: alength= 4 w= 12 n= 811 bayes= 8. 66 E= 2. 2e+004

-765	-765	248	-765
-765	248	-765	-765
163	-765	-765	-765
-765	-765	-765	163
-765	148	-765	64
163	-765	-765	-765
-765	-765	-765	163
-765	-765	-765	163
-765	-765	-765	163
-765	248	-765	-765
-765	-765	-765	163
-765	-765	-765	163

ALPHABET= ACGT

>srsc7_016. 7

log-odds matri x: alength= 4 w= 11 n= 813 bayes= 8. 66356 E= 2. 3e+004

-765	248	-765	-765
163	-765	-765	-765
163	-765	-765	-765
64	-765	148	-765
163	-765	-765	-765
-765	-765	248	-765
163	-765	-765	-765
163	-765	-765	-765
-765	-765	248	-765
163	-765	-765	-765
163	-765	-765	-765

ALPHABET= ACGT

>srsc7_016. 8

log-odds matri x: alength= 4 w= 11 n= 813 bayes= 8. 66356 E= 2. 4e+004

-765	248	-765	-765
163	-765	-765	-765
64	-765	148	-765
-765	148	148	-765
-765	-765	-765	163
64	-765	-765	64
163	-765	-765	-765
-765	-765	248	-765
-765	248	-765	-765
163	-765	-765	-765
-765	-765	248	-765

ALPHABET= ACGT

>srsc7_022. 1

log-odds matri x: alength= 4 w= 15 n= 128 bayes= 5. 97728 E= 1. 3e+003

-765	-765	-765	189
-765	-765	211	-765
-765	-765	211	-765
-765	211	-765	-765
89	111	-765	-765

74203Suppl emental _CNSmatri ces. pssm. txt

```
-765 -765 111 89
89 -765 -765 89
-765 -765 211 -765
-765 -765 -765 189
-765 111 111 -765
189 -765 -765 -765
-765 -765 111 89
-765 -765 -765 189
-765 -765 211 -765
-765 211 -765 -765
```

ALPHABET= ACGT

>srsc7_022. 2

log-odds matrix: alength= 4 w= 18 n= 122 bayes= 5.90689 E= 2.0e+003

```
-765 -765 211 -765
89 -765 111 -765
189 -765 -765 -765
189 -765 -765 -765
-765 -765 211 -765
89 -765 111 -765
-765 -765 211 -765
89 -765 111 -765
189 -765 -765 -765
-765 -765 111 89
-765 111 -765 89
89 -765 111 -765
-765 111 111 -765
-765 -765 -765 189
-765 -765 211 -765
-765 -765 211 -765
-765 -765 211 -765
189 -765 -765 -765
```

ALPHABET= ACGT

>srsc7_022. 3

log-odds matrix: alength= 4 w= 10 n= 138 bayes= 6.08746 E= 3.2e+003

```
189 -765 -765 -765
189 -765 -765 -765
89 111 -765 -765
89 111 -765 -765
-765 211 -765 -765
189 -765 -765 -765
-765 -765 211 -765
89 -765 111 -765
189 -765 -765 -765
-765 -765 211 -765
```

ALPHABET= ACGT

>srsc7_024. 1

log-odds matrix: alength= 4 w= 30 n= 901 bayes= 8.81218 E= 1.4e+003

```
-765 -765 -765 179
-765 -765 223 -765
-765 -765 -765 179
-765 -765 123 79
-765 -765 223 -765
179 -765 -765 -765
-765 -765 -765 179
-765 -765 -765 179
-765 223 -765 -765
-765 123 123 -765
```

74203Suppl emental _CNSmatri ces. pssm. txt

```

179 -765 -765 -765
-765 -765 -765 179
-765 -765 223 -765
-765 223 -765 -765
-765 -765 -765 179
-765 -765 -765 179
-765 -765 -765 179
-765 -765 -765 179
-765 223 -765 -765
179 -765 -765 -765
-765 223 -765 -765
-765 -765 -765 179
-765 123 -765 79
-765 123 -765 79
-765 223 -765 -765
179 -765 -765 -765
-765 223 -765 -765
-765 223 -765 -765
-765 -765 -765 179
-765 -765 223 -765

```

ALPHABET= ACGT

>srsc7_024. 2

log-odds matrix: alength= 4 w= 14 n= 933 bayes= 8.86264 E= 8.0e+003

```

-765 223 -765 -765
179 -765 -765 -765
179 -765 -765 -765
-765 -765 -765 179
-765 223 -765 -765
179 -765 -765 -765
-765 -765 223 -765
-765 223 -765 -765
-765 -765 -765 179
-765 -765 223 -765
179 -765 -765 -765
-765 -765 -765 179
-765 -765 -765 179
179 -765 -765 -765

```

ALPHABET= ACGT

>srsc7_024. 6

log-odds matrix: alength= 4 w= 11 n= 939 bayes= 8.87191 E= 1.2e+005

```

179 -765 -765 -765
-765 -765 -765 179
179 -765 -765 -765
-765 123 123 -765
-765 -765 -765 179
179 -765 -765 -765
-765 -765 -765 179
-765 -765 -765 179
-765 -765 -765 179
-765 -765 -765 179
-765 -765 -765 179

```

ALPHABET= ACGT

>srsc7_024. 7

log-odds matrix: alength= 4 w= 10 n= 941 bayes= 8.87498 E= 1.2e+005

```

-765 -765 -765 179
-765 -765 -765 179
-765 -765 -765 179

```


74203Suppl emental _CNSmatri ces. pssm. txt

179	-765	-765	-765
-765	-765	-765	179
179	-765	-765	-765
-765	-765	-765	179
79	-765	123	-765
-765	-765	223	-765
179	-765	-765	-765

ALPHABET= ACGT

>srsc8_002. 1

log-odds matrix: a length= 4 w= 40 n= 1381 bayes= 8. 8434 E= 8. 1e+003

-823	-823	232	-823
15	-823	174	-823
-823	-823	174	15
15	-823	174	-823
15	-823	174	-823
-823	74	174	-823
173	-823	-823	-823
115	-823	74	-823
15	-823	-823	115
-823	-823	232	-823
173	-823	-823	-823
173	-823	-823	-823
115	-823	74	-823
173	-823	-823	-823
-823	232	-823	-823
115	74	-823	-823
115	-823	74	-823
115	-823	-823	15
115	-823	-823	15
-823	-823	-823	173
-823	232	-823	-823
-823	-823	-823	173
-823	-823	-823	173
15	-823	174	-823
15	-823	174	-823
173	-823	-823	-823
-823	74	-823	115
-823	-823	-823	173
15	-823	174	-823
-823	-823	74	115
-823	-823	174	15
115	-823	74	-823
173	-823	-823	-823
-823	174	-823	15
15	-823	-823	115
15	-823	-823	115
-823	-823	174	15
-823	-823	174	15
-823	74	174	-823
173	-823	-823	-823

ALPHABET= ACGT

>srsc8_002. 2

log-odds matrix: a length= 4 w= 12 n= 1465 bayes= 8. 92877 E= 1. 1e+004

173	-823	-823	-823
173	-823	-823	-823
-823	-823	232	-823
173	-823	-823	-823
173	-823	-823	-823
-823	232	-823	-823

74203Suppl emental _CNSmatri ces. pssm. txt

115	-823	74	-823
173	-823	-823	-823
173	-823	-823	-823
-823	174	74	-823
173	-823	-823	-823
173	-823	-823	-823

ALPHABET= ACGT

>srsc8_002. 3

log-odds matri x: alength= 4 w= 11 n= 1468 bayes= 8. 93172 E= 5. 4e+004

173	-823	-823	-823
-823	232	-823	-823
115	-823	-823	15
-823	-823	232	-823
173	-823	-823	-823
115	-823	-823	15
-823	-823	232	-823
115	-823	-823	15
-823	-823	-823	173
-823	-823	-823	173
-823	-823	232	-823

ALPHABET= ACGT

>srsc8_002. 4

log-odds matri x: alength= 4 w= 12 n= 1465 bayes= 8. 92877 E= 5. 6e+004

-823	-823	-823	173
-823	-823	-823	173
-823	-823	-823	173
15	74	-823	15
115	-823	-823	15
-823	-823	-823	173
-823	-823	-823	173
-823	-823	-823	173
-823	-823	-823	173
-823	232	-823	-823
173	-823	-823	-823
-823	232	-823	-823

ALPHABET= ACGT

>srsc8_002. 5

log-odds matri x: alength= 4 w= 13 n= 1462 bayes= 8. 9258 E= 7. 4e+004

-823	-823	-823	173
-823	74	174	-823
-823	-823	-823	173
15	-823	174	-823
115	-823	74	-823
-823	-823	232	-823
173	-823	-823	-823
-823	174	74	-823
173	-823	-823	-823
-823	-823	-823	173
15	-823	-823	115
173	-823	-823	-823
-823	232	-823	-823

ALPHABET= ACGT

>srsc8_002. 6

log-odds matri x: alength= 4 w= 10 n= 1471 bayes= 8. 93467 E= 5. 3e+004

-823	232	-823	-823
------	-----	------	------

74203Suppl emental _CNSmatri ces. pssm. txt

```
-823 -823 -823 173
-823 -823 232 -823
173 -823 -823 -823
173 -823 -823 -823
173 -823 -823 -823
-823 174 -823 15
-823 -823 -823 173
15 -823 174 -823
173 -823 -823 -823
```

ALPHABET= ACGT

>srsc8_002. 7

log-odds matrix: alength= 4 w= 11 n= 1468 bayes= 8.93172 E= 3.5e+005

```
-823 -823 -823 173
-823 -823 74 115
173 -823 -823 -823
-823 -823 232 -823
-158 187 -158 -158
173 -823 -823 -823
173 -823 -823 -823
15 74 -823 15
-823 -823 -823 173
-823 -823 -823 173
-823 232 -823 -823
```

ALPHABET= ACGT

>srsc8_002. 8

log-odds matrix: alength= 4 w= 15 n= 1456 bayes= 8.91986 E= 6.8e+005

```
-823 -823 -823 173
-823 -823 74 115
-823 -823 232 -823
15 174 -823 -823
-823 74 -823 115
15 174 -823 -823
-823 -823 -823 173
-823 -823 -823 173
15 174 -823 -823
173 -823 -823 -823
15 -823 74 15
-823 232 -823 -823
173 -823 -823 -823
15 -823 -823 115
173 -823 -823 -823
```

ALPHABET= ACGT

>srsc8_002. 9

log-odds matrix: alength= 4 w= 15 n= 1456 bayes= 8.91986 E= 2.0e+006

```
-823 232 -823 -823
15 -823 -823 115
15 -823 174 -823
15 74 74 -823
173 -823 -823 -823
-823 -823 -823 173
115 -823 -823 15
173 -823 -823 -823
-823 -823 -823 173
15 -823 74 15
15 174 -823 -823
-823 232 -823 -823
173 -823 -823 -823
```

74203Suppl emental _CNSmatri ces. pssm. txt

```
-823    74   -823    115
-823    74   174   -823
```

ALPHABET= ACGT

>srsc8_003. 1

log-odds matrix: alength= 4 w= 50 n= 572 bayes= 7. 56732 E= 2. 7e+000

```
-823   -823   -823    159
-823   -823   -823    198
-823    98    198   -823
-823    98   -823    101
-823   -823    256   -823
-823    256   -823   -823
159   -823   -823   -823
101   -823   -823    1
101   -823    98   -823
101   -823   -823    1
101   -823   -823    1
1    -823   -823    101
159   -823   -823   -823
1    -823    98    1
1    -823   -823    101
-823   -823   -823    159
-823   -823    256   -823
1    -823   -823    101
-823   -823   -823    159
159   -823   -823   -823
1    -823    198   -823
-823    98   -823    101
-823   -823   -823    159
-823   -823    198    1
-823   -823   -823    159
101   -823    98   -823
-823   -823   -823    159
-823   -823    256   -823
-823   -823   -823    159
1    -823   -823    101
-823   -823   -823    159
-823   -823    256   -823
-823    98    198   -823
-823   -823   -823    159
-823   -823   -823    159
-823    198   -823    1
-823    98   -823    101
1    -823    198   -823
1    -823   -823    101
-823   -823   -823    159
101   -823   -823    1
-823   -823    256   -823
1    -823   -823    101
-823   -823   -823    159
159   -823   -823   -823
101   -823    98   -823
-823   -823   -823    159
-823   -823   -823    159
-823   -823   -823    159
-823   -823    256   -823
-823   -823   -823    159
```

ALPHABET= ACGT

>srsc8_003. 2

log-odds matrix: alength= 4 w= 18 n= 668 bayes= 7. 79225 E= 1. 6e+003

```
-823   -823   -823    159
```

74203Suppl emental _CNSmatri ces. pssm. txt

```

-823 -823 256 -823
159 -823 -823 -823
159 -823 -823 -823
-823 -823 98 101
-823 -823 256 -823
-823 -823 -823 159
1 -823 198 -823
101 -823 98 -823
1 198 -823 -823
101 -823 98 -823
-823 -823 198 1
101 98 -823 -823
-823 256 -823 -823
1 198 -823 -823
-823 256 -823 -823
159 -823 -823 -823
159 -823 -823 -823

```

ALPHABET= ACGT

>srsc8_003. 3

log-odds matrix: al length= 4 w= 12 n= 686 bayes= 7. 83078 E= 3. 5e+003

```

-823 -823 -823 159
-823 -823 -823 159
-823 -823 -823 159
-823 -823 -823 159
-823 -823 256 -823
1 -823 98 1
-823 256 -823 -823
-823 198 -823 1
159 -823 -823 -823
-823 -823 256 -823
159 -823 -823 -823
-823 -823 -823 159

```

ALPHABET= ACGT

>srsc8_003. 4

log-odds matrix: al length= 4 w= 16 n= 674 bayes= 7. 80521 E= 9. 5e+003

```

-823 256 -823 -823
1 -823 -823 101
-823 -823 -823 159
-823 -823 198 1
-823 -823 256 -823
-823 98 198 -823
1 -823 198 -823
101 98 -823 -823
159 -823 -823 -823
-823 -823 -823 159
159 -823 -823 -823
159 -823 -823 -823
1 198 -823 -823
1 -823 -823 101
-823 98 198 -823
-823 -823 -823 159

```

ALPHABET= ACGT

>srsc8_003. 6

log-odds matrix: al length= 4 w= 12 n= 686 bayes= 7. 83078 E= 8. 5e+004

```

-823 -823 198 1
-823 198 98 -823
-823 -823 -823 159

```

74203Suppl emental _CNSmatri ces. pssm. txt

1	98	98	-823
1	98	98	-823
-823	-823	-823	159
-823	-823	-823	159
-158	120	-158	42
-823	-823	256	-823
-823	-823	-823	159
159	-823	-823	-823
-823	256	-823	-823

ALPHABET= ACGT

>srsc8_003.7

log-odds matrix: alength= 4 w= 11 n= 689 bayes= 7.8371 E= 1.5e+006

159	-823	-823	-823
-823	198	-823	1
-823	-823	-823	159
101	-823	-823	1
-823	-823	-823	159
-823	-823	-823	159
-823	-823	-823	159
159	-823	-823	-823
1	98	-823	1
-823	-823	98	101
-823	98	198	-823

ALPHABET= ACGT

>srsc8_003.8

log-odds matrix: alength= 4 w= 11 n= 689 bayes= 7.8371 E= 6.9e+007

123	-158	-158	-158
-158	210	-158	-158
123	-158	-158	-158
42	-158	-158	42
-158	120	-158	42
42	-158	120	-158
101	98	-823	-823
-823	-823	-823	159
-823	98	-823	101
1	198	-823	-823
-823	198	-823	1

ALPHABET= ACGT

>srsc8_003.9

log-odds matrix: alength= 4 w= 11 n= 689 bayes= 7.8371 E= 6.6e+007

-158	-158	210	-158
-158	-158	120	42
-158	-158	-158	123
-158	-158	-158	123
-158	120	120	-158
-823	-823	98	101
-823	98	-823	101
-823	98	-823	101
101	98	-823	-823
1	-823	198	-823
-823	-823	-823	159

ALPHABET= ACGT

>srsc8_004.10

log-odds matrix: alength= 4 w= 11 n= 1298 bayes= 8.75377 E= 4.1e+006

170	-823	-823	-823
-----	------	------	------

74203Suppl emental _CNSmatri ces. pssm. txt

170	-823	-823	-823
50	-158	104	-158
-823	237	-823	-823
170	-823	-823	-823
-823	-823	-823	170
12	79	79	-823
112	-823	-823	12
-158	104	104	-158
170	-823	-823	-823
170	-823	-823	-823

ALPHABET= ACGT

>srsc8_004. 1

log-odds matrix: alength= 4 w= 34 n= 1229 bayes= 8.67478 E= 5.9e+001

170	-823	-823	-823
-823	-823	-823	170
-823	79	178	-823
-823	79	-823	112
-823	-823	79	112
-823	-823	237	-823
112	-823	-823	12
112	79	-823	-823
170	-823	-823	-823
50	-158	-158	50
-823	-823	-823	170
-823	178	79	-823
170	-823	-823	-823
-823	-823	-823	170
-823	237	-823	-823
112	79	-823	-823
170	-823	-823	-823
170	-823	-823	-823
12	79	-823	12
112	-823	79	-823
-823	79	-823	112
170	-823	-823	-823
170	-823	-823	-823
-823	79	-823	112
170	-823	-823	-823
-823	-823	-823	170
170	-823	-823	-823
-823	-823	-823	170
-823	237	-823	-823
170	-823	-823	-823
12	-823	79	12
-823	-823	-823	170
-823	237	-823	-823
-823	237	-823	-823

ALPHABET= ACGT

>srsc8_004. 2

log-odds matrix: alength= 4 w= 32 n= 1235 bayes= 8.68182 E= 1.2e+003

-823	237	-823	-823
112	79	-823	-823
12	-823	-823	112
12	-823	178	-823
170	-823	-823	-823
112	79	-823	-823
-823	-823	-823	170
170	-823	-823	-823
12	-823	-823	112

74203Suppl emental _CNSmatri ces. pssm. txt

```

-823 -823 178 12
-823 178 -823 12
-823 237 -823 -823
-823 237 -823 -823
170 -823 -823 -823
112 -823 79 -823
-823 237 -823 -823
170 -823 -823 -823
12 79 79 -823
170 -823 -823 -823
170 -823 -823 -823
12 -823 178 -823
170 -823 -823 -823
-823 -823 237 -823
12 -823 -823 112
112 -823 79 -823
112 79 -823 -823
112 -823 -823 12
170 -823 -823 -823
-823 79 178 -823
12 178 -823 -823
170 -823 -823 -823
170 -823 -823 -823

```

ALPHABET= ACGT

>srsc8_004. 3

log-odds matrix: alength= 4 w= 20 n= 1271 bayes= 8. 72338 E= 2. 7e+004

```

-823 -823 -823 170
-823 -823 -823 170
-823 79 -823 112
-823 178 -823 12
112 -823 79 -823
170 -823 -823 -823
-823 -823 237 -823
-823 178 -823 12
-823 79 -823 112
112 -823 79 -823
-823 -823 -823 170
-823 237 -823 -823
-823 79 -823 112
-823 178 -823 12
170 -823 -823 -823
-823 -823 -823 170
-823 -823 237 -823
-823 79 -823 112
170 -823 -823 -823
170 -823 -823 -823

```

ALPHABET= ACGT

>srsc8_004. 6

log-odds matrix: alength= 4 w= 11 n= 1298 bayes= 8. 75377 E= 1. 3e+005

```

-823 -823 -823 170
-823 -823 237 -823
-823 -823 -823 170
-823 79 -823 112
170 -823 -823 -823
170 -823 -823 -823
12 79 79 -823
-823 -823 -823 170
12 -823 178 -823
-823 -823 -823 170

```


-823 -823 237

-823

ALPHABET= ACGT

>srsc8_004. 7

log-odds matrix: alength= 4 w= 14 n= 1289 bayes= 8.74371 E= 4.0e+005

-823	-823	237	-823
-823	-823	-823	170
-823	237	-823	-823
12	-823	-823	112
-823	178	-823	12
-823	-823	-823	170
-823	79	178	-823
-823	79	-823	112
12	-823	-823	112
112	-823	79	-823
-823	-823	237	-823
12	79	-823	12
170	-823	-823	-823
-823	-823	-823	170

ALPHABET= ACGT

>srsc8_004. 9

log-odds matrix: alength= 4 w= 11 n= 1298 bayes= 8.75377 E= 2.7e+006

170	-823	-823	-823
-823	-823	79	112
170	-823	-823	-823
-823	178	-823	12
-823	-823	-823	170
12	79	-823	12
170	-823	-823	-823
170	-823	-823	-823
-823	-823	178	12
-823	79	-823	112
-823	-823	237	-823

ALPHABET= ACGT

>srsc8_005. 2

log-odds matrix: alength= 4 w= 11 n= 1028 bayes= 9.00282 E= 4.8e+004

-765	-765	-765	181
-765	-765	221	-765
-765	-765	-765	181
-765	121	121	-765
-765	221	-765	-765
181	-765	-765	-765
81	-765	-765	81
-765	221	-765	-765
81	121	-765	-765
-765	-765	221	-765
-765	-765	221	-765

ALPHABET= ACGT

>srsc8_005. 3

log-odds matrix: alength= 4 w= 11 n= 1028 bayes= 9.00282 E= 5.6e+004

-765	-765	221	-765
-765	-765	221	-765
-765	-765	-765	181
-765	-765	-765	181
81	121	-765	-765
181	-765	-765	-765

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181	-765	-765	-765
-765	-765	-765	181
-765	-765	221	-765
181	-765	-765	-765
-765	-765	-765	181

ALPHABET= ACGT

>srsc8_005.4

log-odds matrix: alength= 4 w= 20 n= 1010 bayes= 8.97728 E= 6.0e+004

-765	-765	-765	181
-765	-765	221	-765
-765	-765	221	-765
-765	-765	-765	181
181	-765	-765	-765
181	-765	-765	-765
-765	121	-765	81
181	-765	-765	-765
81	-765	121	-765
-765	121	121	-765
-765	-765	-765	181
-765	-765	-765	181
-765	-765	221	-765
-765	-765	-765	181
-765	-765	-765	181
-765	-765	-765	181
181	-765	-765	-765
-765	-765	121	81
-765	-765	221	-765

ALPHABET= ACGT

>srsc8_005.5

log-odds matrix: alength= 4 w= 11 n= 1028 bayes= 9.00282 E= 8.4e+004

181	-765	-765	-765
-765	221	-765	-765
81	-765	-765	81
-765	221	-765	-765
181	-765	-765	-765
-765	-765	221	-765
117	-99	-99	-99
-765	221	-765	-765
81	-765	-765	81
-765	-765	-765	181
-765	-765	221	-765

ALPHABET= ACGT

>srsc8_005.6

log-odds matrix: alength= 4 w= 10 n= 1030 bayes= 9.00562 E= 6.5e+004

-765	-765	221	-765
81	-765	121	-765
-765	221	-765	-765
-765	-765	-765	181
-765	-765	-765	181
181	-765	-765	-765
-765	-765	221	-765
-765	-765	121	81
-765	-765	-765	181
-765	-765	221	-765

ALPHABET= ACGT

>srsc8_005. 7

log-odds matrix: alength= 4 w= 11 n= 1028 bayes= 9.00282 E= 1.3e+005

181	-765	-765	-765
-765	-765	221	-765
-765	-765	221	-765
-765	-765	221	-765
81	-765	-765	81
-765	-765	-765	181
81	-765	-765	81
-765	121	121	-765
-765	-765	-765	181
-765	-765	-765	181
-765	-765	-765	181

ALPHABET= ACGT

>srsc8_005. 8

log-odds matrix: alength= 4 w= 16 n= 1018 bayes= 8.98868 E= 1.4e+005

-765	-765	221	-765
-765	221	-765	-765
-765	-765	-765	181
-765	-765	221	-765
81	121	-765	-765
81	-765	-765	81
-765	-765	121	81
-765	-765	-765	181
81	-765	121	-765
81	121	-765	-765
-765	221	-765	-765
181	-765	-765	-765
117	-99	-99	-99
-765	-765	221	-765
-765	-765	221	-765
-765	-765	-765	181

ALPHABET= ACGT

>srsc8_006. 1

log-odds matrix: alength= 4 w= 10 n= 1334 bayes= 8.79333 E= 8.6e+005

175	-823	-823	-823
-158	-158	-158	137
175	-823	-823	-823
-158	-158	-158	137
175	-823	-823	-823
55	-158	-158	55
-823	229	-823	-823
175	-823	-823	-823
-823	-823	-823	175
-823	-823	229	-823

ALPHABET= ACGT

>srsc8_006. 3

log-odds matrix: alength= 4 w= 11 n= 1331 bayes= 8.79008 E= 4.2e+006

-823	-823	229	-823
-823	-823	-823	175
-158	-158	-158	137
-158	-158	-158	137
-158	-158	-158	137
-823	-823	70	117
-823	229	-823	-823
137	-158	-158	-158

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```
-823 -823 -823 175
-823 -823 -823 175
-823 -823 -823 175
```

ALPHABET= ACGT

>srsc8_006.7

log-odds matrix: alength= 4 w= 11 n= 1331 bayes= 8.79008 E= 2.3e+007

```
-823 -823 -823 175
-823 -823 229 -823
-158 -158 97 55
175 -823 -823 -823
17 -823 -823 117
55 -158 -158 55
-823 -823 70 117
-158 97 -158 55
-823 -823 -823 175
-158 -158 -158 137
-823 229 -823 -823
```

ALPHABET= ACGT

>srsc8_006.8

log-odds matrix: alength= 4 w= 11 n= 1331 bayes= 8.79008 E= 2.1e+008

```
137 -158 -158 -158
175 -823 -823 -823
-158 184 -158 -158
55 -158 -158 55
55 -158 97 -158
-158 184 -158 -158
-158 -158 -158 137
-158 -158 -158 137
-823 -823 -823 175
-158 184 -158 -158
-823 -823 229 -823
```

ALPHABET= ACGT

>srsc8_008.1

log-odds matrix: alength= 4 w= 15 n= 2152 bayes= 8.74618 E= 5.0e+012

```
-231 193 -231 -231
161 -231 -231 -231
-13 14 -231 71
-231 193 -231 -231
161 -231 -231 -231
-231 -231 -231 161
-231 -231 -231 161
-132 38 -132 87
123 14 -231 -231
87 -132 -132 16
-231 101 101 -231
-13 -231 101 -13
-231 -231 193 -231
123 14 -231 -231
161 -231 -231 -231
```

ALPHABET= ACGT

>srsc8_008.2

log-odds matrix: alength= 4 w= 11 n= 2172 bayes= 8.75956 E= 3.1e+012

```
-231 -231 -231 161
161 -231 -231 -231
123 -231 -231 -13
```

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-231	-231	193	-231
-132	114	-132	16
-231	-231	-231	161
-231	-231	193	-231
123	-231	-231	-13
-132	-132	-132	135
-231	-231	14	123
-231	-231	193	-231

ALPHABET= ACGT

>srsc8_009.1

log-odds matrix: alength= 4 w= 40 n= 887 bayes= 8.20294 E= 1.0e-003

-823	223	-823	-823
180	-823	-823	-823
-158	-158	92	58
180	-823	-823	-823
-823	164	-823	21
180	-823	-823	-823
180	-823	-823	-823
-823	-823	223	-823
-823	-823	223	-823
-823	-823	-823	180
121	-823	65	-823
-823	-823	223	-823
-823	-823	-823	180
21	-823	164	-823
21	-823	164	-823
180	-823	-823	-823
-823	65	65	21
-823	65	164	-823
180	-823	-823	-823
-823	-823	223	-823
-823	223	-823	-823
-823	-823	-823	180
-823	164	-823	21
-823	-823	-823	180
-823	-823	-823	180
21	-823	164	-823
180	-823	-823	-823
-823	-823	223	-823
-823	164	-823	21
-823	-823	-823	180
-823	-823	223	-823
-823	-823	-823	180
-823	-823	-823	180
-823	65	-823	121
180	-823	-823	-823
-823	223	-823	-823
-823	-823	-823	180
21	-823	164	-823
21	164	-823	-823
-823	164	65	-823

ALPHABET= ACGT

>srsc8_009.2

log-odds matrix: alength= 4 w= 23 n= 938 bayes= 8.28386 E= 1.4e+002

180	-823	-823	-823
-823	-823	223	-823
-823	-823	-823	180
-823	223	-823	-823
-823	-823	-823	180

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```

180 -823 -823 -823
-823 65 -823 121
-158 179 -158 -158
121 -823 65 -823
-823 65 -823 121
-823 -823 223 -823
-823 -823 -823 180
-823 -823 -823 180
-823 65 164 -823
21 65 -823 21
-823 -823 -823 180
-823 -823 -823 180
-823 -823 -823 180
21 -823 65 21
-823 -823 -823 180
-823 223 -823 -823
180 -823 -823 -823
-823 -823 -823 180

```

ALPHABET= ACGT

>srsc8_009.3

log-odds matrix: alength= 4 w= 11 n= 974 bayes= 8.33836 E= 1.6e+004

```

180 -823 -823 -823
21 -823 164 -823
-823 -823 -823 180
21 65 -823 21
-823 223 -823 -823
-823 164 65 -823
-823 -823 -823 180
-823 -823 -823 180
180 -823 -823 -823
180 -823 -823 -823
-823 223 -823 -823

```

ALPHABET= ACGT

>srsc8_009.4

log-odds matrix: alength= 4 w= 11 n= 974 bayes= 8.33836 E= 2.8e+005

```

-823 -823 -823 180
-823 -823 -823 180
21 -823 65 21
-823 -823 223 -823
-823 -823 -823 180
-823 65 65 21
-823 -823 164 21
-823 -823 -823 180
21 65 -823 21
-823 223 -823 -823
-823 -823 -823 180

```

ALPHABET= ACGT

>srsc8_009.5

log-odds matrix: alength= 4 w= 15 n= 962 bayes= 8.32042 E= 8.9e+006

```

121 -823 65 -823
121 -823 -823 21
21 -823 164 -823
180 -823 -823 -823
-823 -823 65 121
-823 -823 164 21
21 65 -823 21
-823 -823 -823 180

```

74203Suppl emental _CNSmatri ces. pssm. txt

180	-823	-823	-823
121	65	-823	-823
-823	223	-823	-823
21	-823	-823	121
-823	164	-823	21
121	-823	65	-823
-823	164	-823	21

ALPHABET= ACGT

>srsc8_009. 6

log-odds matrix: alength= 4 w= 15 n= 962 bayes= 8. 32042 E= 1. 0e+006

-823	-823	223	-823
-823	-823	-823	180
21	-823	-823	121
21	164	-823	-823
121	-823	65	-823
-823	65	65	21
-823	65	-823	121
-823	-823	-823	180
21	-823	164	-823
-823	164	-823	21
-823	65	-823	121
180	-823	-823	-823
-823	-823	-823	180
-823	-823	223	-823
121	-823	-823	21

ALPHABET= ACGT

>srsc8_009. 8

log-odds matrix: alength= 4 w= 10 n= 977 bayes= 8. 34282 E= 9. 7e+006

-823	-823	65	121
-823	-823	164	21
180	-823	-823	-823
21	65	-823	21
-823	-823	65	121
121	-823	-823	21
-823	223	-823	-823
-823	65	-823	121
21	-823	-823	121
-823	223	-823	-823

ALPHABET= ACGT

>srsc8_016. 1

log-odds matrix: alength= 4 w= 42 n= 881 bayes= 8. 77972 E= 3. 9e+002

-765	-765	253	-765
161	-765	-765	-765
-765	253	-765	-765
-765	-765	-765	161
61	-765	-765	61
161	-765	-765	-765
-765	-765	-765	161
-765	253	-765	-765
-765	-765	-765	161
-765	253	-765	-765
-765	253	-765	-765
161	-765	-765	-765
-765	-765	-765	161
-765	253	-765	-765
-765	253	-765	-765
-765	253	-765	-765

74203Suppl emental _CNSmatri ces. pssm. txt

161	-765	-765	-765
-765	153	-765	61
-765	-765	-765	161
-765	-765	-765	161
61	-765	153	-765
-765	-765	-765	161
-765	-765	253	-765
161	-765	-765	-765
161	-765	-765	-765
-765	-765	-765	161
61	153	-765	-765
-765	-765	-765	161
161	-765	-765	-765
-765	253	-765	-765
-765	-765	-765	161
161	-765	-765	-765
161	-765	-765	-765
161	-765	-765	-765
61	-765	-765	61
-765	-765	-765	161
-765	-765	-765	161
-765	-765	-765	161
-765	253	-765	-765
-765	-765	-765	161
-765	-765	253	-765
161	-765	-765	-765

ALPHABET= ACGT

>srsr8_016.2

log-odds matrix: al length= 4 w= 50 n= 865 bayes= 8.75322 E= 8.8e+002

-765	-765	-765	161
-765	-765	-765	161
161	-765	-765	-765
-765	253	-765	-765
-765	-765	-765	161
-765	-765	-765	161
-765	253	-765	-765
61	-765	153	-765
-765	253	-765	-765
61	153	-765	-765
-765	-765	-765	161
-765	-765	-765	161
-765	253	-765	-765
161	-765	-765	-765
161	-765	-765	-765
161	-765	-765	-765
-765	-765	-765	161
61	-765	153	-765
-765	-765	-765	161
-765	153	-765	61
-765	-765	-765	161
-765	-765	253	-765
-765	-765	-765	161
-765	153	-765	61
161	-765	-765	-765
161	-765	-765	-765
-765	253	-765	-765
-765	-765	-765	161
-765	-765	-765	161
61	-765	153	-765
-765	-765	-765	161
161	-765	-765	-765

74203Suppl emental _CNSmatri ces. pssm. txt

61	-765	153	-765
-765	253	-765	-765
-765	-765	253	-765
-765	-765	-765	161
61	-765	153	-765
161	-765	-765	-765
-765	-765	-765	161
-765	-765	-765	161
-765	-765	-765	161
-765	-765	-765	161
-765	-765	253	-765
161	-765	-765	-765
161	-765	-765	-765
-765	253	-765	-765
-765	253	-765	-765
161	-765	-765	-765
-765	253	-765	-765

ALPHABET= ACGT

>srs8_016.3

log-odds matrix: alength= 4 w= 30 n= 905 bayes= 8.81858 E= 1.9e+003

161	-765	-765	-765
161	-765	-765	-765
-765	-765	253	-765
-765	153	-765	61
-765	-765	-765	161
-765	-765	253	-765
-765	-765	153	61
-765	253	-765	-765
-765	153	-765	61
-765	-765	-765	161
-765	-765	253	-765
161	-765	-765	-765
-765	-765	253	-765
161	-765	-765	-765
161	-765	-765	-765
61	-765	-765	61
-765	-765	-765	161
-765	-765	253	-765
161	-765	-765	-765
-765	253	-765	-765
161	-765	-765	-765
161	-765	-765	-765
-765	-765	253	-765
-765	253	-765	-765
-765	-765	-765	161
161	-765	-765	-765
161	-765	-765	-765
161	-765	-765	-765
-765	-765	-765	161

ALPHABET= ACGT

>srs8_016.4

log-odds matrix: alength= 4 w= 25 n= 915 bayes= 8.83447 E= 5.3e+003

-765	-765	253	-765
161	-765	-765	-765
-765	-765	-765	161
-765	-765	-765	161
-765	-765	-765	161

74203Suppl emental _CNSmatri ces. pssm. txt

```

-765 -765 -765 161
-765 -765 253 -765
-765 -765 -765 161
161 -765 -765 -765
61 -765 153 -765
161 -765 -765 -765
-765 -765 -765 161
-765 -765 153 61
161 -765 -765 -765
161 -765 -765 -765
161 -765 -765 -765
-765 253 -765 -765
-765 -765 -765 161
-765 -765 253 -765
-765 -765 253 -765
-765 -765 -765 161
-765 -765 253 -765
161 -765 -765 -765
161 -765 -765 -765
161 -765 -765 -765

```

ALPHABET= ACGT

>srsc8_016. 6

log-odds matrix: alength= 4 w= 13 n= 939 bayes= 8.87191 E= 2.1e+004

```

-765 -765 -765 161
-765 253 -765 -765
-765 -765 -765 161
-765 -765 -765 161
-765 153 153 -765
-765 -765 -765 161
-765 -765 -765 161
-765 -765 -765 161
-765 -765 253 -765
161 -765 -765 -765
-765 -765 -765 161
-765 -765 -765 161
-765 253 -765 -765

```

ALPHABET= ACGT

>srsc8_016. 8

log-odds matrix: alength= 4 w= 11 n= 943 bayes= 8.87805 E= 4.1e+004

```

-765 -765 253 -765
-765 153 -765 61
-765 -765 -765 161
-765 -765 -765 161
-765 -765 253 -765
61 153 -765 -765
-765 -765 -765 161
-765 -765 -765 161
-765 253 -765 -765
61 153 -765 -765
-765 -765 253 -765

```

ALPHABET= ACGT

>srsc8_020. 4

log-odds matrix: alength= 4 w= 11 n= 664 bayes= 8.37069 E= 8.5e+004

```

194 -765 -765 -765
-765 105 105 -765
194 -765 -765 -765
94 -765 105 -765

```

74203Suppl emental _CNSmatri ces. pssm. txt

94	-765	-765	94
-765	-765	-765	194
-765	-765	205	-765
-765	-765	205	-765
194	-765	-765	-765
194	-765	-765	-765
-765	-765	-765	194

ALPHABET= ACGT

>srsc9_004. 1

log-odds matrix: alength= 4 w= 25 n= 963 bayes= 7. 58195 E= 3. 8e-006

-897	100	-897	99
-897	-897	-897	173
-897	-897	233	-897
-59	200	-897	-897
-897	-897	-897	173
99	-897	1	-59
-897	233	-897	-897
173	-897	-897	-897
-897	-897	233	-897
-897	-897	233	-897
-897	-897	-897	173
141	-897	1	-897
141	1	-897	-897
-897	1	-897	141
141	-897	-897	-59
-897	-897	-897	173
-897	-897	1	141
-897	159	-897	41
99	-897	100	-897
-897	1	1	99
-897	1	-897	141
-897	-897	-897	173
-897	1	-897	141
-897	100	-897	99
-897	-897	1	141

ALPHABET= ACGT

>srsc9_004. 3

log-odds matrix: alength= 4 w= 11 n= 1033 bayes= 7. 6837 E= 9. 9e+004

-897	-897	-897	173
-897	159	-897	41
173	-897	-897	-897
-59	-897	200	-897
-897	233	-897	-897
99	-897	-897	41
-897	1	-897	141
141	1	-897	-897
-897	1	1	99
-59	-897	-897	141
-897	-897	-897	173

ALPHABET= ACGT

>srsc9_004. 4

log-odds matrix: alength= 4 w= 27 n= 953 bayes= 7. 56682 E= 4. 9e+011

113	-231	27	-231
61	27	27	-231
-231	-231	-231	151
-21	27	-231	61
113	27	-231	-231

74203Suppl emental _CNSmatri ces. pssm. txt

-21	-231	-231	113
-231	-231	27	113
-231	114	27	-21
-21	-231	-231	113
-21	168	-231	-231
61	27	27	-231
-231	-231	-231	151
-21	27	114	-231
-231	-231	114	61
113	-231	-231	-21
113	27	-231	-231
-21	114	27	-231
-231	27	-231	113
-21	-231	114	-21
-231	-231	114	61
-897	-897	-897	173
-897	-897	1	141
-59	-897	100	41
41	-897	159	-897
141	-897	-897	-59
41	-897	100	-59
-897	1	-897	141

ALPHABET= ACGT

>srsc9_004. 7

log-odds matrix: al length= 4 w= 20 n= 988 bayes= 7. 61912 E= 3. 3e+012

-132	127	-132	9
-132	127	-132	9
9	-132	127	-132
-132	49	-132	79
-74	-74	68	34
9	-132	127	-132
-231	207	-231	-231
61	-231	-231	61
-231	-231	114	61
61	-231	27	-21
-21	-231	27	61
-21	-231	27	61
-21	27	-231	61
-231	114	-231	61
-21	27	-231	61
-21	-231	-231	113
-231	-231	27	113
-231	114	-231	61
-21	-231	114	-21
113	-231	-231	-21

ALPHABET= ACGT

>srsc9_004. 8

log-odds matrix: al length= 4 w= 10 n= 1038 bayes= 7. 6907 E= 2. 1e+012

-231	27	168	-231
113	-231	-231	-21
-21	114	-231	-21
-21	168	-231	-231
113	-231	27	-231
-21	27	114	-231
-231	-231	114	61
-231	-231	-231	151
-21	-231	-231	113
-21	-231	168	-231

74203Suppl emental _CNSmatri ces. pssm. txt

ALPHABET= ACGT

>srsc9_005. 1

log-odds matrix: al ength= 4 w= 15 n= 1292 bayes= 8. 00787 E= 7. 0e+011

155	-231	-231	-231
-231	-231	-231	155
-231	-231	-231	155
-231	202	-231	-231
116	22	-231	-231
64	-231	22	-18
64	-231	-231	64
-231	22	-231	116
-18	-231	-231	116
-231	163	-231	-18
64	-231	-231	64
-231	-231	202	-231
-231	109	22	-18
-231	-231	-231	155
-231	-231	-231	155

ALPHABET= ACGT

>srsc9_005. 2

log-odds matrix: al ength= 4 w= 12 n= 1307 bayes= 8. 02459 E= 1. 7e+012

-231	-231	-231	155
-18	-231	-231	116
-231	163	-231	-18
-231	22	-231	116
-231	-231	22	116
-231	163	-231	-18
-18	-231	-231	116
-231	22	-231	116
-231	-231	163	-18
-231	163	-231	-18
-18	-231	-231	116
-231	-231	202	-231

ALPHABET= ACGT

>srsc9_005. 6

log-odds matrix: al ength= 4 w= 11 n= 1312 bayes= 8. 03012 E= 1. 6e+013

-132	-132	-132	129
-132	-132	-132	129
-132	-132	-132	129
-132	122	-132	11
82	-132	-132	11
11	-132	45	11
-132	122	-132	11
-132	-132	45	82
-132	-132	-132	129
-132	122	-132	11
-132	172	-132	-132

ALPHABET= ACGT

>srsc9_005. 7

log-odds matrix: al ength= 4 w= 11 n= 1312 bayes= 8. 03012 E= 1. 5e+013

129	-132	-132	-132
-132	-132	172	-132
82	-132	45	-132
11	-132	45	11
11	122	-132	-132
82	-132	-132	11

74203Supplemental_CNSmatrices.pssm.txt

```
-132  -132  172  -132
-132  122  -132  11
 82   -132  -132  11
-132  172  -132  -132
129   -132  -132  -132
```

ALPHABET= ACGT

>srsc9_007.10

log-odds matrix: alength= 4 w= 11 n= 820 bayes= 8.67596 E= 2.9e+004

```
-765  -765  247  -765
 164  -765  -765  -765
 164  -765  -765  -765
 164  -765  -765  -765
 164  -765  -765  -765
-765  -765  -765  164
-765  -765  247  -765
 164  -765  -765  -765
 164  -765  -765  -765
 164  -765  -765  -765
 164  -765  -765  -765
```

ALPHABET= ACGT

>srsc9_007.1

log-odds matrix: alength= 4 w= 17 n= 808 bayes= 8.65464 E= 5.4e+002

```
-765  247  -765  -765
-765  -765  -765  164
 64   -765  147  -765
-765  -765  247  -765
 164  -765  -765  -765
-765  247  -765  -765
-765  -765  -765  164
 164  -765  -765  -765
-765  247  -765  -765
-765  -765  247  -765
-765  -765  247  -765
 164  -765  -765  -765
-765  -765  247  -765
 164  -765  -765  -765
-765  247  -765  -765
 64   -765  147  -765
-765  247  -765  -765
```

ALPHABET= ACGT

>srsc9_007.2

log-odds matrix: alength= 4 w= 10 n= 822 bayes= 8.67948 E= 5.4e+003

```
-765  -765  247  -765
-765  -765  -765  164
-765  -765  247  -765
-765  247  -765  -765
 164  -765  -765  -765
-765  -765  247  -765
 164  -765  -765  -765
 164  -765  -765  -765
 64   147  -765  -765
-765  247  -765  -765
```

ALPHABET= ACGT

>srsc9_007.3

log-odds matrix: alength= 4 w= 20 n= 802 bayes= 8.64386 E= 8.1e+003

74203Suppl emental _CNSmatri ces. pssm. txt

-765	247	-765	-765
164	-765	-765	-765
-765	-765	247	-765
164	-765	-765	-765
164	-765	-765	-765
-765	-765	247	-765
-765	147	147	-765
-765	-765	-765	164
164	-765	-765	-765
164	-765	-765	-765
-765	147	-765	64
64	-765	147	-765
-765	247	-765	-765
-765	-765	-765	164
-765	-765	247	-765
64	-765	147	-765
-765	247	-765	-765
164	-765	-765	-765
164	-765	-765	-765
164	-765	-765	-765

ALPHABET= ACGT

>srsc9_007. 5

log-odds matrix: alength= 4 w= 15 n= 812 bayes= 8.66178 E= 1.2e+004

-765	-765	247	-765
164	-765	-765	-765
-765	-765	247	-765
64	-765	-765	64
-765	-765	-765	164
-765	147	147	-765
-765	-765	-765	164
-765	247	-765	-765
-765	-765	-765	164
-765	147	-765	64
164	-765	-765	-765
-765	-765	-765	164
-765	-765	247	-765
-765	-765	-765	164
-765	-765	247	-765

ALPHABET= ACGT

>srsc9_007. 6

log-odds matrix: alength= 4 w= 15 n= 812 bayes= 8.66178 E= 1.3e+004

164	-765	-765	-765
-765	-765	247	-765
164	-765	-765	-765
164	-765	-765	-765
-765	247	-765	-765
-765	-765	-765	164
-765	-765	-765	164
164	-765	-765	-765
64	-765	-765	64
164	-765	-765	-765
-765	-765	247	-765
-765	-765	-765	164
164	-765	-765	-765
164	-765	-765	-765
-765	-765	247	-765

ALPHABET= ACGT

>srsc9_007. 7

log-odds matrix: al length= 4 w= 15 n= 812 bayes= 8. 66178 E= 1. 9e+004

164	-765	-765	-765
-765	-765	-765	164
-765	-765	247	-765
-765	-765	247	-765
64	-765	147	-765
-765	-765	-765	164
-765	247	-765	-765
164	-765	-765	-765
64	-765	147	-765
-765	-765	-765	164
164	-765	-765	-765
164	-765	-765	-765
-765	-765	-765	164
164	-765	-765	-765
-765	247	-765	-765

ALPHABET= ACGT

>srsc9_007. 8

log-odds matrix: al length= 4 w= 20 n= 802 bayes= 8. 64386 E= 2. 3e+004

164	-765	-765	-765
-765	-765	247	-765
64	-765	-765	64
-765	-765	247	-765
164	-765	-765	-765
-765	-765	-765	164
64	-765	147	-765
64	-765	147	-765
-765	247	-765	-765
-765	-765	-765	164
-765	-765	-765	164
-765	-765	-765	164
-765	147	-765	64
164	-765	-765	-765
164	-765	-765	-765
-765	-765	-765	164
-765	-765	247	-765
-765	-765	-765	164
164	-765	-765	-765
-765	247	-765	-765

ALPHABET= ACGT

>srsc9_007. 9

log-odds matrix: al length= 4 w= 11 n= 820 bayes= 8. 67596 E= 2. 9e+004

-765	-765	-765	164
164	-765	-765	-765
164	-765	-765	-765
164	-765	-765	-765
-765	-765	247	-765
-765	-765	-765	164
164	-765	-765	-765
164	-765	-765	-765
-765	-765	247	-765
164	-765	-765	-765
-765	-765	-765	164

ALPHABET= ACGT

>srsc9_013. 1

log-odds matrix: al length= 4 w= 13 n= 940 bayes= 8. 87344 E= 2. 0e+003

74203Suppl emental _CNSmatri ces. pssm. txt

-765	219	-765	-765
182	-765	-765	-765
-765	-765	219	-765
-765	-765	219	-765
-765	219	-765	-765
-765	-765	-765	182
182	-765	-765	-765
-765	219	-765	-765
-765	219	-765	-765
-765	-765	-765	182
-765	-765	-765	182
-765	219	-765	-765
-765	219	-765	-765

ALPHABET= ACGT

>srsc9_013. 2

log-odds matrix: alength= 4 w= 25 n= 916 bayes= 8. 83605 E= 1. 0e+004

-765	-765	-765	182
-765	219	-765	-765
-765	-765	-765	182
83	-765	119	-765
-765	219	-765	-765
-765	-765	-765	182
-765	-765	219	-765
182	-765	-765	-765
-765	-765	-765	182
-765	-765	-765	182
-765	-765	-765	182
182	-765	-765	-765
-765	-765	219	-765
-765	-765	119	83
-765	-765	-765	182
-765	-765	-765	182
-765	-765	-765	182
182	-765	-765	-765
-765	-765	219	-765
-765	-765	219	-765
-765	-765	-765	182
182	-765	-765	-765
-765	119	-765	83
-765	219	-765	-765
-765	-765	-765	182

ALPHABET= ACGT

>srsc9_013. 3

log-odds matrix: alength= 4 w= 11 n= 944 bayes= 8. 87958 E= 3. 3e+004

-765	-765	-765	182
-765	-765	219	-765
-765	-765	-765	182
-765	-765	-765	182
-765	-765	-765	182
182	-765	-765	-765
-765	219	-765	-765
182	-765	-765	-765
83	-765	-765	83
-765	-765	219	-765
-765	219	-765	-765

ALPHABET= ACGT

>srsc9_013. 4

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log-odds matrix: alength= 4 w= 11 n= 944 bayes= 8.87958 E= 4.3e+004

-765	-765	-765	182
182	-765	-765	-765
-765	-765	-765	182
-765	-765	-765	182
182	-765	-765	-765
-765	-765	-765	182
-765	219	-765	-765
182	-765	-765	-765
-765	219	-765	-765
182	-765	-765	-765
182	-765	-765	-765

ALPHABET= ACGT

>srsc9_013.5

log-odds matrix: alength= 4 w= 13 n= 940 bayes= 8.87344 E= 5.0e+004

-765	-765	219	-765
-765	-765	-765	182
182	-765	-765	-765
182	-765	-765	-765
-765	-765	219	-765
182	-765	-765	-765
-765	-765	-765	182
-765	119	-765	83
83	-765	-765	83
-765	219	-765	-765
-765	219	-765	-765
-765	-765	-765	182
182	-765	-765	-765

ALPHABET= ACGT

>srsc9_013.6

log-odds matrix: alength= 4 w= 11 n= 944 bayes= 8.87958 E= 5.7e+004

-765	-765	-765	182
-765	-765	-765	182
-765	219	-765	-765
-765	219	-765	-765
83	119	-765	-765
-765	119	-765	83
-765	219	-765	-765
83	-765	119	-765
-765	-765	219	-765
-765	-765	-765	182
-765	219	-765	-765