

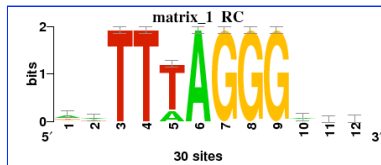
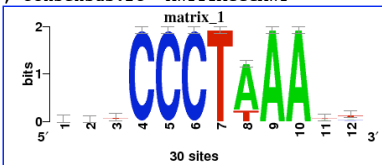
command: /home/rsat/rSAT-tools/perl-scripts/convert-matrix -v 1 -i /home/rsat/rSAT-tools/public_html/tmp/convert-matrix.2010_07_23

Result

```
; convert-matrix -v 1 -i /home/rsat/rSAT-tools/public_html/tmp/convert-matrix.2010_07_23.094031.input -pseudo 1 --decimals 1 --perm
; Input files
;   input /home/rsat/rSAT-tools/public_html/tmp/convert-matrix.2010_07_23.094031.input
; Input format transfac
; Output files
;   output /home/rsat/rSAT-tools/public_html/tmp/convert-matrix.2010_07_23.094031.res
; Output format tab
; pseudo-weight 1
;
```

```
; MATRIX 1/3 : matrix_1
;
; Matrix type: counts
; Pos | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
; ----|---|---|---|---|---|---|---|---|---|---|---|---|
a | 13 | 12 | 5 | 0 | 0 | 0 | 0 | 24 | 30 | 30 | 9 | 6 |
c | 5 | 6 | 5 | 30 | 30 | 30 | 0 | 0 | 0 | 0 | 3 | 5 |
g | 5 | 4 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 4 |
t | 7 | 8 | 14 | 0 | 0 | 0 | 30 | 6 | 0 | 0 | 12 | 15 |
; ----|---|---|---|---|---|---|---|---|---|---|---|---|
; c.sum | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 360
; c.max | 13 | 12 | 14 | 30 | 30 | 30 | 30 | 24 | 30 | 30 | 12 | 15 | 30
; c.min | 5 | 4 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 0
//
```

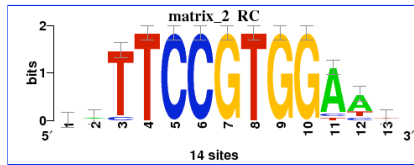
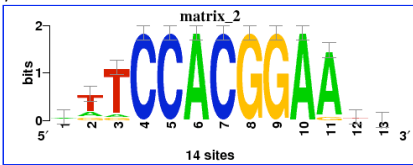
```
; consensus awtCCCTAAAwT
; consensus.rc AWTTCAGGGAWT
```



TOMTOM

```
; MATRIX 2/3 : matrix_2
;
; Matrix type: counts
; Pos | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
; ----|---|---|---|---|---|---|---|---|---|---|---|---|---|
a | 7 | 3 | 1 | 0 | 0 | 14 | 0 | 0 | 0 | 14 | 13 | 3 | 4 |
c | 2 | 0 | 0 | 14 | 14 | 0 | 14 | 0 | 0 | 0 | 0 | 2 | 4 |
g | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 14 | 14 | 0 | 1 | 2 | 5 |
t | 2 | 9 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 1 |
; ----|---|---|---|---|---|---|---|---|---|---|---|---|---|
; c.sum | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 182
; c.max | 7 | 9 | 12 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 13 | 7 | 5 | 14
; c.min | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0
//
```

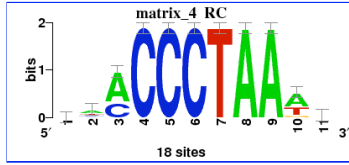
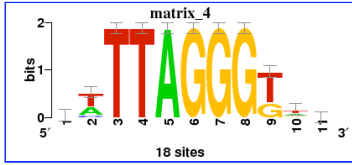
```
; consensus atTCCACGGAAtv
; consensus.rc BATTCCGTGGAA
```



TOMTOM

```
; MATRIX 3/3 : matrix_4
;
; Matrix type: counts
; Pos | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
; ----|---|---|---|---|---|---|---|---|---|---|---|
a | 8 | 6 | 0 | 0 | 18 | 0 | 0 | 0 | 0 | 6 | 2 |
c | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 |
g | 4 | 0 | 0 | 0 | 0 | 18 | 18 | 18 | 6 | 3 | 4 |
t | 2 | 10 | 18 | 18 | 0 | 0 | 0 | 0 | 12 | 8 | 7 |
; ----|---|---|---|---|---|---|---|---|---|---|---|
; c.sum | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 198
; c.max | 8 | 10 | 18 | 18 | 18 | 18 | 18 | 18 | 12 | 8 | 7 | 18
; c.min | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0
//
```

```
; consensus awTTAGGGkwy
; consensus.rc RWMCCCTAAWT
```



TOMTOM

```
; Job started 2010_07_23.094031
; Job done 2010_07_23.094037
; Seconds 0.31
```

Next step

new

pattern matching (matrix-scan)

convert-matrix

TOMTOM

Compare a single matrix to a motif database.

Warning

The matrix 2 /home/rsat/rsa-tools/public_html/tmp/convert-matrix.2010_07_23.094031.res_2 contains 0 columns.

Warning

The matrix 4 /home/rsat/rsa-tools/public_html/tmp/convert-matrix.2010_07_23.094031.res_4 contains 0 columns.

Warning

The matrix 6 /home/rsat/rsa-tools/public_html/tmp/convert-matrix.2010_07_23.094031.res_6 contains 0 columns.

a	13	12	5	0	0	0	0	24	30	30	9	6
c	5	6	5	30	30	30	0	0	0	0	3	5
g	5	4	6	0	0	0	0	0	0	0	6	4
t	7	8	14	0	0	0	30	6	0	0	12	15

command: /home/rsat/rsa-tools/perl-scripts/convert-matrix -v 1 -i /home/rsat/rsa-tools/public_html/tmp/convert-matrix.2010

Result

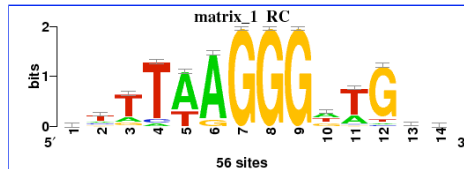
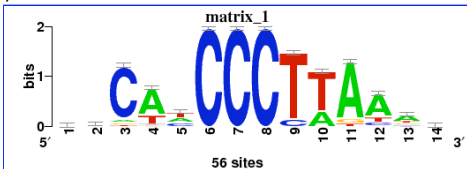
```
; convert-matrix -v 1 -i /home/rsat/rsa-tools/public_html/tmp/convert-matrix.2010_07_23.095136.input -pseudo 1 --decimals 1
; Input files
; input /home/rsat/rsa-tools/public_html/tmp/convert-matrix.2010_07_23.095136.input
; Input format transfac
; Output files
; output /home/rsat/rsa-tools/public_html/tmp/convert-matrix.2010_07_23.095136.res
; Output format tab
; pseudo-weight 1
;
```

; MATRIX 1/4 : matrix_1

```
; Matrix type: counts
; Pos | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14
```

a	11	21	3	39	18	0	0	0	0	16	49	39	30	21
c	21	16	49	2	15	56	56	56	6	0	0	6	7	11
g	12	9	2	2	1	0	0	0	0	0	4	2	8	12
t	12	10	2	13	22	0	0	0	50	40	3	9	11	12
c.sum	56	56	56	56	56	56	56	56	56	56	56	56	56	56
c.max	21	21	49	39	22	56	56	56	50	40	49	39	30	21
c.min	11	9	2	2	1	0	0	0	0	0	0	2	7	11

```
//
; consensus cmCAhCCCTWAAaa
; consensus.rc TTTTWAGGGDTGKG
```



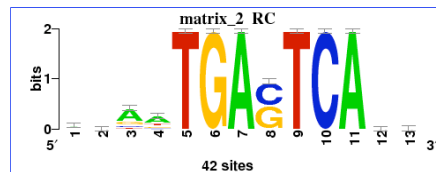
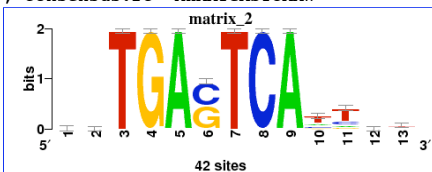
TOMTOM

```
; MATRIX 2/4 : matrix_2
```

```
; Matrix type: counts
; Pos | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13
```

a	14	10	0	0	42	0	0	0	42	8	4	11	7
c	7	8	0	0	0	21	0	42	0	7	8	6	6
g	8	9	0	42	0	21	0	0	0	4	4	12	12
t	13	15	42	0	0	0	42	0	0	23	26	13	17
c.sum	42	42	42	42	42	42	42	42	42	42	42	42	42
c.max	14	15	42	42	42	21	42	42	42	23	26	13	17
c.min	7	8	0	0	0	0	0	0	0	4	4	6	6

```
//
; consensus wtTGAsTCAttdk
; consensus.rc MHAATGASTCAAW
```



TOMTOM

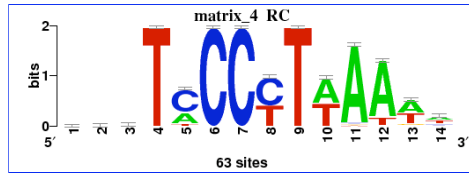
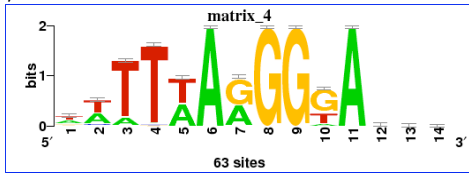
```
; MATRIX 3/4 : matrix_4
```

```
; Matrix type: counts
; Pos | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14
```

a	24	26	8	1	30	63	27	0	0	5	63	17	19	18
c	6	4	0	1	0	0	0	0	0	0	0	21	14	15
g	8	2	1	1	0	0	36	63	63	40	0	16	10	15
t	25	31	54	60	33	0	0	0	0	18	0	9	20	15
c.sum	63	63	63	63	63	63	63	63	63	63	63	63	63	63
c.max	25	31	54	60	33	63	36	63	63	40	63	21	20	18
c.min	6	2	0	1	0	0	0	0	0	0	0	9	10	15

```
//
; consensus wTTwArGGkAvwa
```

```
; consensus.rc TWBTMCCYTWAAWW
```



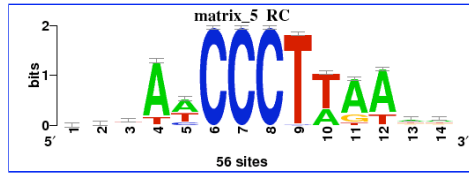
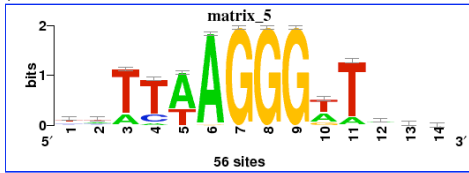
TOMTOM

```
; MATRIX 4/4 : matrix_5
```

```
; Matrix type: counts
```

Pos	1	2	3	4	5	6	7	8	9	10	11	12	13	14
a	13	15	11	4	38	55	0	0	0	20	7	25	15	15
c	12	13	0	10	0	0	0	0	0	0	1	11	9	15
g	6	5	1	0	0	1	56	56	56	8	0	10	11	10
t	25	23	44	42	18	0	0	0	0	28	48	10	21	16
c.sum	56	56	56	56	56	56	56	56	56	56	56	56	56	56
c.max	25	23	44	42	38	55	56	56	56	28	48	25	21	16
c.min	6	5	0	0	0	0	0	0	0	0	0	10	9	10

```
; consensus twTTwAGGGwTawh
; consensus.rc DWTAWCCCTWAAWA
```



TOMTOM

```
; Job started 2010_07_23.095137
; Job done 2010_07_23.095144
; Seconds 0.35
```

Next step

new

pattern matching (matrix-scan)

convert-matrix

TOMTOM

Compare a single matrix to a motif database.

Warning

The matrix 2 /home/rsat/rSAT-tools/public_html/tmp/convert-matrix.2010_07_23.095136.res_2 contains 0 col

Warning

The matrix 4 /home/rsat/rSAT-tools/public_html/tmp/convert-matrix.2010_07_23.095136.res_4 contains 0 col

Warning

The matrix 6 /home/rsat/rSAT-tools/public_html/tmp/convert-matrix.2010_07_23.095136.res_6 contains 0 col

Warning

The matrix 8 /home/rsat/rSAT-tools/public_html/tmp/convert-matrix.2010_07_23.095136.res_8 contains 0 col

a	11	21	3	39	18	0	0	0	0	16	49	39	30	21
c	21	16	49	2	15	56	56	56	6	0	0	6	7	11
g	12	9	2	2	1	0	0	0	0	0	4	2	8	12

t | 12 10 2 13 22 0 0 0 50 40 3 9 11 12

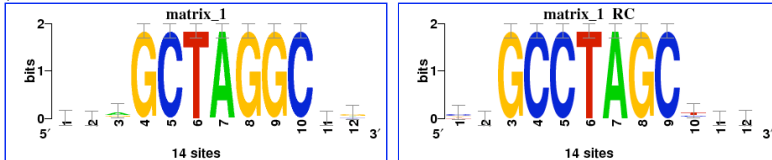
command: /home/rsat/rsa-tools/perl-scripts/convert-matrix -v 1 -i /home/rsat/rsa-tools/public_html/tmp/convert-matrix.2010_07_23

Result

```
; convert-matrix -v 1 -i /home/rsat/rsa-tools/public_html/tmp/convert-matrix.2010_07_23.100039.input -pseudo 1 --decimals 1 --perm
; Input files
;   input /home/rsat/rsa-tools/public_html/tmp/convert-matrix.2010_07_23.100039.input
; Input format transfac
; Output files
;   output /home/rsat/rsa-tools/public_html/tmp/convert-matrix.2010_07_23.100039.res
; Output format tab
; pseudo-weight 1
;
```

MATRIX 1/2 : matrix_1
Matrix type: counts
Pos 1 2 3 4 5 6 7 8 9 10 11 12
a 4 4 7 0 0 0 14 0 0 0 4 3
c 5 4 1 0 14 0 0 0 0 14 2 3
g 1 3 4 14 0 0 0 14 14 0 2 7
t 4 3 2 0 0 14 0 0 0 0 6 1
c.sum 14 14 14 14 14 14 14 14 14 14 14 14 168
c.max 5 4 7 14 14 14 14 14 14 14 6 7 14
c.min 1 3 1 0 0 0 0 0 0 0 2 1 0

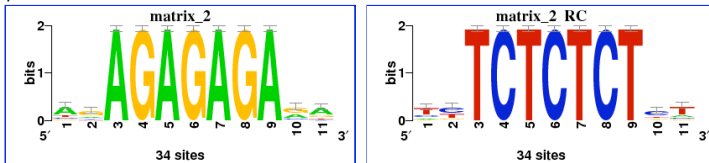
consensus hmrgCTAGGCwg
consensus.rc CWGCCTAGCYKD



TOMTOM

MATRIX 2/2 : matrix_2
Matrix type: counts
Pos 1 2 3 4 5 6 7 8 9 10 11
a 20 7 34 0 34 0 34 0 34 12 19
c 4 5 0 0 0 0 0 0 0 4 3
g 4 18 0 34 0 34 0 34 0 16 7
t 6 4 0 0 0 0 0 0 0 2 5
c.sum 34 34 34 34 34 34 34 34 34 34 34 374
c.max 20 18 34 34 34 34 34 34 34 16 19 34
c.min 4 4 0 0 0 0 0 0 0 2 3 0

consensus agAGAGAGa
consensus.rc TYTCTCTCT



TOMTOM

Job started 2010_07_23.100040
Job done 2010_07_23.100044
Seconds 0.32

Next step

new pattern matching (matrix-scan) convert-matrix TOMTOM

Compare a single matrix to a motif database.

Warning

The matrix 2 /home/rsat/rsa-tools/public_html/tmp/convert-matrix.2010_07_23.100039.res_2 contains 0 columns.

Warning

The matrix 4 /home/rsat/rsa-tools/public_html/tmp/convert-matrix.2010_07_23.100039.res_4 contains 0 columns.

a		4	4	7	0	0	0	14	0	0	0	4	3
c		5	4	1	0	14	0	0	0	0	14	2	3
g		1	3	4	14	0	0	0	14	14	0	2	7
t		4	3	2	0	0	14	0	0	0	0	6	1

RSAT-SFY111

RSA-tools - convert-matrix result

command: /home/rsat/rsa-tools/perl-scripts/convert-matrix -v 1 -i /home/rsat/rsa-tools/public_html/tmp/convert-matrix.2010_07_23.100457.input -pseudo 1 -de

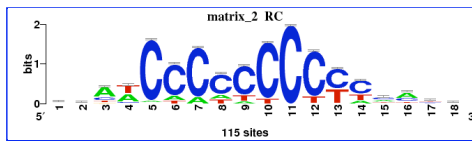
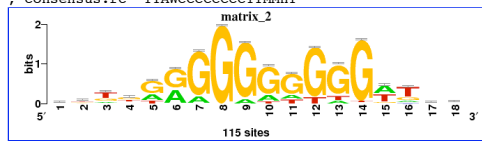
Result

```
; convert-matrix -v 1 -i /home/rsat/rsa-tools/public_html/tmp/convert-matrix.2010_07_23.100457.input -pseudo 1 -decimals 1 -perm 0 -from transfac -bg_pseuc
; Input files
; input /home/rsat/rsa-tools/public_html/tmp/convert-matrix.2010_07_23.100457.input
; Input format transfac
; Output files
; output /home/rsat/rsa-tools/public_html/tmp/convert-matrix.2010_07_23.100457.res
; Output format tab
; pseudo-weight 1
;
```

MATRIX 1/4 : matrix_2

Pos	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
a	35	36	16	20	31	46	16	0	10	19	18	0	11	1	52	15	30	38
c	16	11	8	10	0	0	0	0	0	0	0	0	1	3	7	22	16	
g	37	32	33	46	66	67	98	115	105	87	79	100	90	109	11	24	42	37
t	27	36	58	39	18	2	1	0	0	9	18	15	14	4	49	69	21	24
c.sum	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115
c.max	37	36	58	46	66	67	98	115	105	87	79	100	90	109	52	69	42	38
c.min	16	11	8	10	0	0	0	0	0	0	0	0	0	1	3	7	21	16

```
//
; consensus rdkkrrGGGGGGGwtrr
; consensus.rc YYAWCCCCCCCCYYMMHY
```

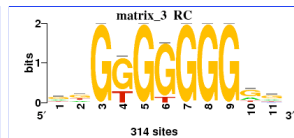
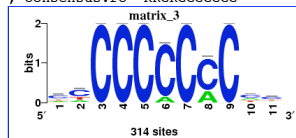


TOMTOM

MATRIX 2/4 : matrix_3

Pos	1	2	3	4	5	6	7	8	9	10	11
a	52	48	0	0	0	34	0	82	0	80	56
c	156	170	314	314	314	280	314	232	314	143	141
g	39	20	0	0	0	0	0	0	0	23	38
t	67	76	0	0	0	0	0	0	0	68	79
c.sum	314	314	314	314	314	314	314	314	314	314	314
c.max	156	170	314	314	314	280	314	232	314	143	141
c.min	39	20	0	0	0	0	0	0	0	23	38

```
//
; consensus ccCCCCCmy
; consensus.rc RKGKGGGGGG
```

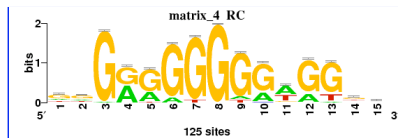
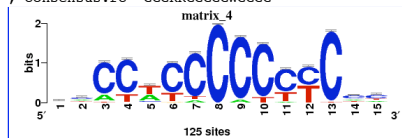


TOMTOM

MATRIX 3/4 : matrix_4

Pos	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
a	24	31	21	1	44	0	8	0	7	0	6	1	0	25	24
c	49	54	98	98	12	93	108	125	118	112	83	63	122	61	62
g	24	13	1	2	5	4	0	0	0	0	0	0	0	14	12
t	28	27	5	24	64	28	9	0	0	13	36	61	3	25	27
c.sum	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125
c.max	49	54	98	98	64	93	108	125	118	112	83	63	122	61	62
c.min	24	13	1	1	5	0	0	0	0	0	0	0	0	14	12

```
//
; consensus ccCwCCCCyCcc
; consensus.rc GGGRRGGGGWGGGG
```



TOMTOM

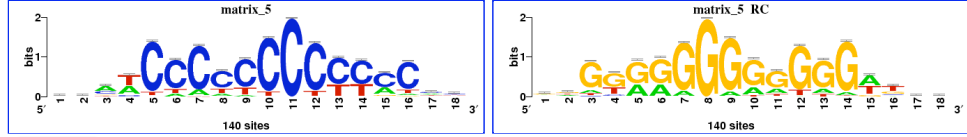
MATRIX 4/4 : matrix_5

Pos	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
a	28	28	70	54	3	13	17	15	8	1	0	1	2	3	41	10	41	27
c	48	51	41	15	126	108	120	94	104	127	140	123	95	90	85	109	51	55
g	24	23	15	1	1	1	0	3	0	0	0	1	0	0	11	5	11	19
t	40	38	14	70	10	18	3	28	28	12	0	15	43	47	3	16	37	39


```

; -----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
; c.sum | 140 | 140 | 140 | 140 | 140 | 140 | 140 | 140 | 140 | 140 | 140 | 140 | 140 | 140 | 140 | 140 | 140 | 140 | 140 |
; c.max | 48 | 51 | 70 | 70 | 126 | 108 | 120 | 94 | 104 | 127 | 140 | 123 | 95 | 90 | 85 | 109 | 51 | 55 |
; c.min | 24 | 23 | 14 | 1 | 1 | 1 | 0 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 5 | 11 | 19 |
//
; consensus yymwCCCcCCCCyymChy
; consensus.rc RDGKRRGGGGGGGGWKR

```



TOMTOM

```

; Job started 2010_07_23.100457
; Job done 2010_07_23.100506
; Seconds 0.36

```

Next step

new [pattern matching \(matrix-scan\)](#) [convert-matrix](#) [TOMTOM](#)

Compare a single matrix to a motif database.

Warning

The matrix 2 /home/rsat/rSAT-tools/public_html/tmp/convert-matrix.2010_07_23.100457.res_2 contains 0 columns.

Warning

The matrix 4 /home/rsat/rSAT-tools/public_html/tmp/convert-matrix.2010_07_23.100457.res_4 contains 0 columns.

Warning

The matrix 6 /home/rsat/rSAT-tools/public_html/tmp/convert-matrix.2010_07_23.100457.res_6 contains 0 columns.

Warning

The matrix 8 /home/rsat/rSAT-tools/public_html/tmp/convert-matrix.2010_07_23.100457.res_8 contains 0 columns.

a	35	36	16	20	31	46	16	0	10	19	18	0	11	1	52	15	30	38
c	16	11	8	10	0	0	0	0	0	0	0	0	0	1	3	7	22	16
g	37	32	33	46	66	67	98	115	105	87	79	100	90	109	11	24	42	37
t	27	36	58	39	18	2	1	0	0	9	18	15	14	4	49	69	21	24

RSAT-SFY115

RSA-tools - convert-matrix result

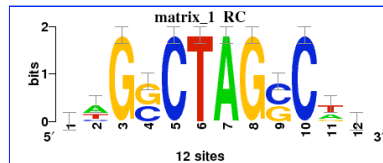
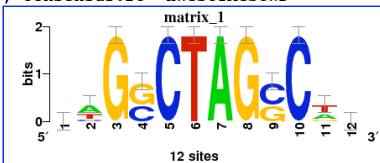
command: /home/rsat/rsa-tools/perl-scripts/convert-matrix -v 1 -i /home/rsat/rsa-tools/public_html/tmp/convert-matrix.2010_07_23

Result

```
; convert-matrix -v 1 -i /home/rsat/rsa-tools/public_html/tmp/convert-matrix.2010_07_23.100729.input -pseudo 1 -decimals 1 -perm
; Input files
;   input /home/rsat/rsa-tools/public_html/tmp/convert-matrix.2010_07_23.100729.input
; Input format transfac
; Output files
;   output /home/rsat/rsa-tools/public_html/tmp/convert-matrix.2010_07_23.100729.res
; Output format tab
; pseudo-weight 1
;
```

```
; MATRIX 1/3 : matrix_1
;
; Matrix type: counts
; Pos | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
; ---|---|---|---|---|---|---|---|---|---|---|---|---|
a | 3 | 6 | 0 | 0 | 0 | 0 | 12 | 0 | 0 | 0 | 4 | 4 |
c | 4 | 2 | 0 | 5 | 12 | 0 | 0 | 0 | 7 | 12 | 0 | 1 |
g | 1 | 0 | 12 | 7 | 0 | 0 | 0 | 12 | 5 | 0 | 2 | 4 |
t | 4 | 4 | 0 | 0 | 0 | 12 | 0 | 0 | 0 | 0 | 6 | 3 |
; ---|---|---|---|---|---|---|---|---|---|---|---|---|
; c.sum | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 144
; c.max | 4 | 6 | 12 | 7 | 12 | 12 | 12 | 12 | 7 | 12 | 6 | 4 | 12
; c.min | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0
```

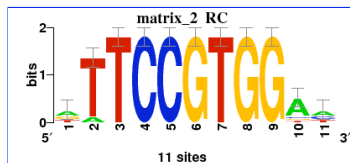
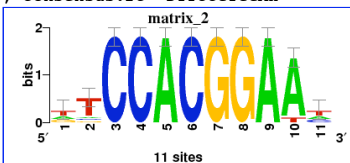
```
//
; consensus hwGsCTAGsCwd
; consensus.rc HWGSCTAGSCWD
```



TOMTOM

```
; MATRIX 2/3 : matrix_2
;
; Matrix type: counts
; Pos | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
; ---|---|---|---|---|---|---|---|---|---|---|---|
a | 3 | 1 | 0 | 0 | 11 | 0 | 0 | 0 | 11 | 10 | 3 |
c | 0 | 1 | 11 | 11 | 0 | 11 | 0 | 0 | 0 | 0 | 3 |
g | 3 | 1 | 0 | 0 | 0 | 0 | 11 | 11 | 0 | 0 | 0 |
t | 5 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 |
; ---|---|---|---|---|---|---|---|---|---|---|---|
; c.sum | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 121
; c.max | 5 | 8 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 10 | 5 | 11
; c.min | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0
```

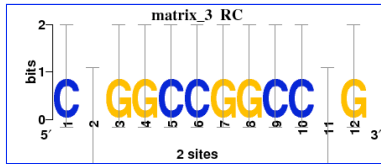
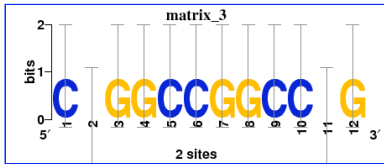
```
//
; consensus dTCCACGGAh
; consensus.rc DTCCGTGGAH
```



TOMTOM

```
; MATRIX 3/3 : matrix_3
;
; Matrix type: counts
; Pos | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
; ---|---|---|---|---|---|---|---|---|---|---|---|---|
a | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
c | 2 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 2 | 2 | 0 | 0 |
g | 0 | 0 | 2 | 2 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 2 |
t | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
; ---|---|---|---|---|---|---|---|---|---|---|---|---|
; c.sum | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 24
; c.max | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 2
; c.min | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0
```

```
//
; consensus CwGGCCGGCCwG
; consensus.rc CWGGCCGGCCWG
```



TOMTOM

```
; Job started 2010_07_23.100730
; Job done 2010_07_23.100736
; Seconds 0.31
```

Next step

new

pattern matching (matrix-scan)

convert-matrix

TOMTOM

Compare a single matrix to a motif database.

Warning

The matrix 2 /home/rsat/rsa-tools/public_html/tmp/convert-matrix.2010_07_23.100729.res_2 contains 0 columns.

Warning

The matrix 4 /home/rsat/rsa-tools/public_html/tmp/convert-matrix.2010_07_23.100729.res_4 contains 0 columns.

Warning

The matrix 6 /home/rsat/rsa-tools/public_html/tmp/convert-matrix.2010_07_23.100729.res_6 contains 0 columns.

a	3	6	0	0	0	12	0	0	0	0	4	4
c	4	2	0	5	12	0	0	7	12	0	0	1
g	1	0	12	7	0	0	12	5	0	2	4	4
t	4	4	0	0	0	12	0	0	0	0	6	3

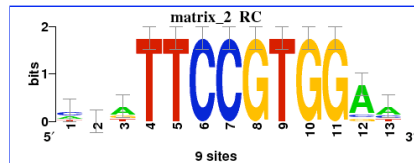
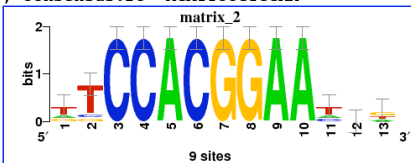
command: /home/rsat/rsa-tools/perl-scripts/convert-matrix -v 1 -i /home/rsat/rsa-tools/public_html/tmp/convert-matrix.2010_07_23

Result

```
; convert-matrix -v 1 -i /home/rsat/rsa-tools/public_html/tmp/convert-matrix.2010_07_23.101027.input -pseudo 1 -decimals 1 -perm
; Input files
;   input /home/rsat/rsa-tools/public_html/tmp/convert-matrix.2010_07_23.101027.input
; Input format transfac
; Output files
;   output /home/rsat/rsa-tools/public_html/tmp/convert-matrix.2010_07_23.101027.res
; Output format tab
; pseudo-weight 1
;
```

```
; MATRIX 1/2 : matrix_2
;
; Matrix type: counts
; Pos | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
-----|---|---|---|---|---|---|---|---|---|---|---|---|---|
a | 2 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 9 | 9 | 2 | 2 | 2 |
c | 0 | 1 | 9 | 9 | 0 | 9 | 0 | 0 | 0 | 0 | 2 | 4 | 0 |
g | 2 | 1 | 0 | 0 | 0 | 0 | 9 | 9 | 0 | 0 | 0 | 2 | 4 |
t | 5 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 1 | 3 |
-----|---|---|---|---|---|---|---|---|---|---|---|---|---|
; c.sum | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
; c.max | 5 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | 4 | 4 |
; c.min | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
//
```

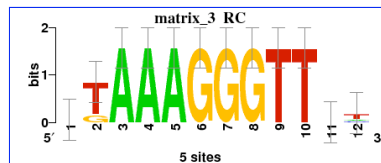
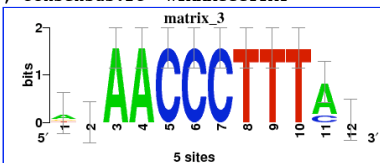
```
; consensus tTCCACGGAAatck
; consensus.rc MGATTCCGTGGAA
```



TOMTOM

```
; MATRIX 2/2 : matrix_3
;
; Matrix type: counts
; Pos | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
-----|---|---|---|---|---|---|---|---|---|---|---|---|
a | 3 | 1 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 2 |
c | 0 | 1 | 0 | 0 | 5 | 5 | 5 | 0 | 0 | 0 | 1 | 1 |
g | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
t | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 5 | 0 | 2 |
-----|---|---|---|---|---|---|---|---|---|---|---|---|
; c.sum | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
; c.max | 3 | 2 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 2 |
; c.min | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
//
```

```
; consensus atAACCCTTTaw
; consensus.rc WTAAGGGTTAT
```



TOMTOM

```
; Job started 2010_07_23.101028
; Job done 2010_07_23.101032
; Seconds 0.28
```

Next step

new pattern matching (matrix-scan) convert-matrix TOMTOM

Compare a single matrix to a motif database.

Warning

The matrix 2 /home/rsat/rsa-tools/public_html/tmp/convert-matrix.2010_07_23.101027.res_2 contains 0 columns.

Warning

The matrix 4 /home/rsat/rsa-tools/public_html/tmp/convert-matrix.2010_07_23.101027.res_4 contains 0 columns.

a		2	0	0	0	9	0	0	0	9	9	2	2	2
c		0	1	9	9	0	9	0	0	0	0	2	4	0
g		2	1	0	0	0	0	9	9	0	0	0	2	4
t		5	7	0	0	0	0	0	0	0	0	5	1	3
