

## A

Searching command: moss nr <block> r.01 i80%

moss nr remost.res r.01 i80% > most.res

Method: Dirichlet mixture

Block (7x14)

```
max YTQDTFEKEYGLKW 250
    5 YTQDSFEAKYNLKW 239          COAT_SBWMV
    3 YTRKTFERELALEW 229          COAT_BSMV
    4 WTRDKFEDRFKLPW 224          COAT_BNYVV
    1 VVQRTFEKEYSLRW 210          COAT_TRVTC
    2 YNRSSFESSSGLVW 209          COAT_TMV
    7 YTRTTIENKLGIVW 203          COAT_NVMV
    6 YDQFLFESTFSVNW 202          COAT_IPCV
min DWWPPDLIPDLWNP -237
```

Database: Non-redundant PDB+SwissProt+S Pupdate+PIR+GenPept+GPupdate, 5:41 AM  
EDT Jul 3, 1995

148,485 sequences; 43,480,653 total letters.

1 iteration

Block of 7 items resulted in 42 matches - 10 new

				Score	Expected	Ratio
>sp	P03575	COAT_TMVDA	139:	YNQnTFESmSGLVW	203,	0.00113 5.4e-05
>gi	515099	pdb 1CGM E	140:	YDRaSFEEaFSVVW	188,	0.0118 0.000474
>gi	294270	gp L07269	179:	fDRaLFEeTFSLNW	183,	0.0241 0.000932
>sp	P14849	COAT_PEBV	170:	LDQeDFEeKFKLVW	177,	0.054 0.0019
>sp	P29096	COAT_PPMVS	140:	YNQaLFESaSGLtW	174,	0.0794 0.00264
>sp	P03581	COAT_TMVCO	140:	fNRTSFESaSGLtW	173,	0.09 0.00282
>pir	A60023	A60023 co	142:	YNQvSFETmSGLtW	171,	0.115 0.00334
>gi	511051	gp X72587	140:	YNQaLFESvSGLtW	170,	0.13 0.00369
>sp	Q01365	POL2_BAYMG	385:	YTRniFENdnhLVW	166,	0.206 0.00564
>sp	P03578	COAT_ORSV	141:	YNQvSFETiSGLtW	165,	0.23 0.00593
>pir	S49244	S49244 co	!	5 159: YTQDSFEAKYNLKW	239,	3.14e-07 1.5e-07
>sp	P04866	COAT_BSMV	!	3 177: YTRKTFERELALEW	229,	5.68e-06 1.81e-06
>gi	633933	gp S71490	!	4 163: WTRDKFEDRFKLPW	224,	1.89e-05 3.01e-06
>sp	P05072	COAT_TRVTC	!	1 168: VVQRTFEKEYSLRW	210,	0.000329 4.49e-05
>gi	230770	pdb 2TMV P	!	2 139: YNRSSFESSSGLVW	209,	0.000395 2.52e-05
>sp	Q05142	COAT_NVMV	!	7 149: YTRTTIENKLGIVW	203,	0.00113 5.4e-05
>pir	S39338	S39338 co	!	6 179: YDQFLFESTFSVNW	202,	0.00134 6.09e-05

moss nr remost.res r.01 i80% > most.res

2 iteration

Block of 15 items resulted in 45 matches - 1 new

				Score	Expected	Ratio
>sp	P03579	COAT_TMGMV	139:	FNQAgFETASGLVW	215,	0.00164 3.74e-05
>sp	P03575	COAT_TMVDA	!	1 139: YNQnTFESmSGLVW	273,	6.16e-09 1.47e-09
>gi	230770	pdb 2TMV P	!	13 139: YNRSSFESSSGLVW	256,	1.83e-06 1.34e-07
>sp	P29096	COAT_PPMVS	!	5 140: YNQALFESaSGLT	253,	3.62e-06 2.31e-07
>pir	A60023	A60023 co	!	7 142: YNQvSFETmSGLT	250,	6.8e-06 3.61e-07
>sp	P03581	COAT_TMVCO	!	6 140: fNRTSFESaSGLT	245,	1.79e-05 8.55e-07
>pir	S49244	S49244 co	!	9 159: YTQDSFEAKYNLKW	241,	3.65e-05 1.59e-06
>gi	515099	pdb 1CGM E	!	2 140: YDRASFEAAFSVVW	238,	6.07e-05 2.32e-06
>pir	S39338	S39338 co	!	15 179: YDQFLFESTFSVNW	233,	0.000135 4.77e-06
>gi	294270	gp L07269	!	3 179: fDRALFEETFSLNW	230,	0.000212 7.24e-06
>sp	Q01365	POL2_BAYMG	!	8 385: YTRNI FENdnhLVW	228,	0.000284 7.99e-06
>sp	P14849	COAT_PEBV	!	4 170: LDQEDFEeKFKLVW	220,	0.00086 2.22e-05
>gi	633933	gp S71490	!	11 163: WTRDKFEDRFKLPW	216,	0.00145 3.55e-05
>sp	P04866	COAT_BSMV	!	10 177: YTRKTFERELALEW	214,	0.00186 4.15e-05
>sp	Q05142	COAT_NVMV	!	14 149: YTRTTIENKLGIVW	205,	0.00552 0.00012
>sp	P05072	COAT_TRVTC	!	12 168: VVQRTFEKEYSLRW	197,	0.0136 0.000291

moss nr remost.res r.01 i80% > most.res