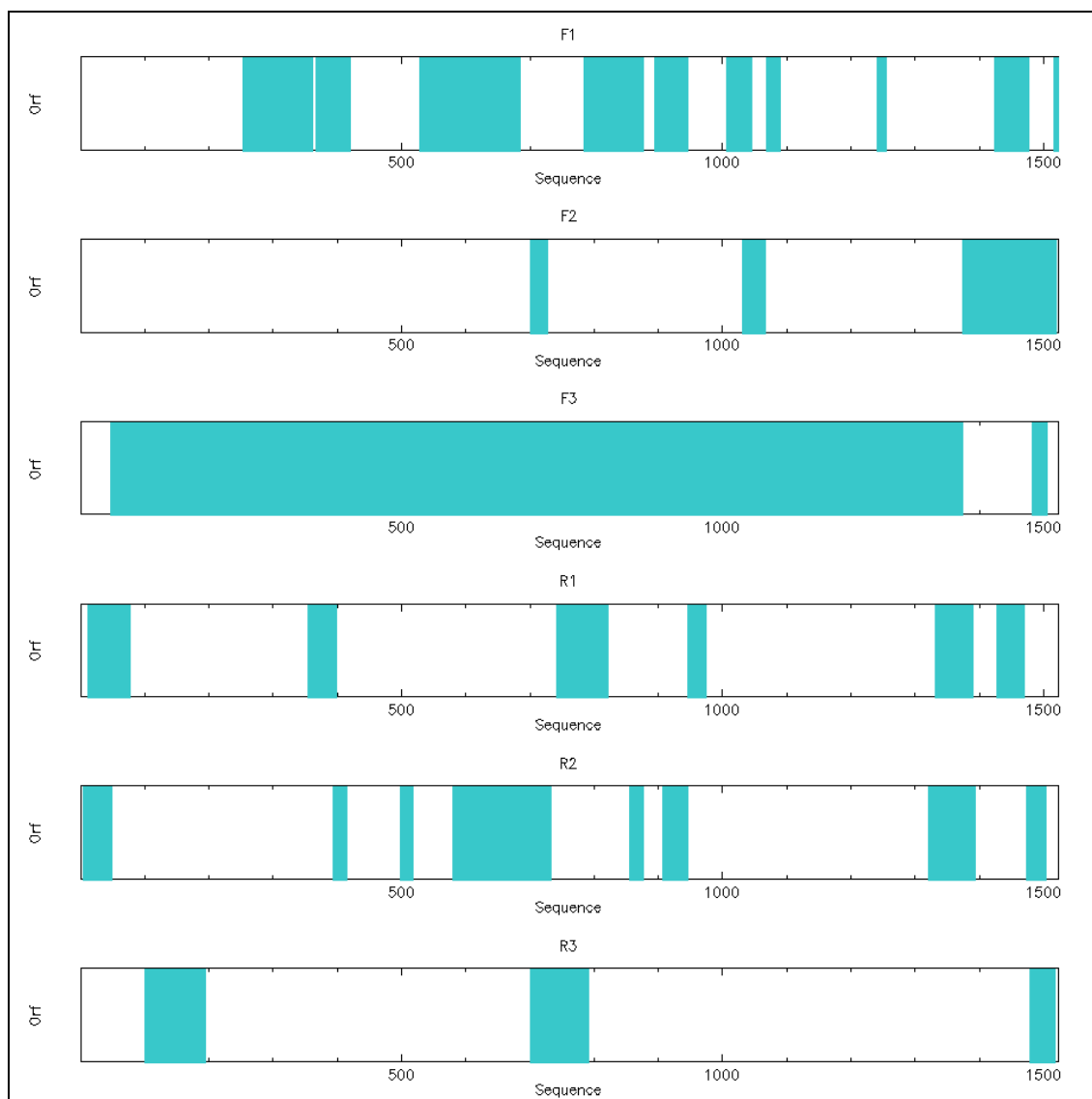


EMBOSS 命令实例 - DNA 序列分析

plotorf

```
plotorf PSPPF1.FASTA -graph x11
```

功能: 用图形方式显示 DNA 序列 “PSPPF1.FASTA” 读码框, 结果如下:



getorf

```
getorf PSPPF1.FASTA -min 300 -table 0 -find 1 -out PPF1_PEP.FASTA
```

功能: 从 DNA 序列 “PSPPF1.FASTA” 中找出长度大于 300 个碱基的读码框, 按标准三联体密码表, 将起始密码子 ATG 和终止密码子之间的序列翻译成蛋白质序列 PPF1_PEA.FASTA, 结果

如下:

```
>PSPPF1_1 [48 - 1373] Pisum sativum mRNA for PPF-1 protein
MAKTLISSPSFLGTPLPSLHRTFSPNRTRLFTKVQFSFHQLPPIQSVSHSVDLSGIFARA
EGLLYTLADATVAADAAASTDVAAQKNGGWFGFISDGMEFVLKVLKDGSSVHVYPYSYGF
AIILLTVIVKAATLPLTKQVESTLAMQNLQPKIKAIQERYAGNQERIQLETSRLYTQAG
VNPLAGCLPTLATIPVWIGLYQALS NVANEGLLTEGFLWIPSLGGPTSIAARQSGSGISW
LFPFVDGHPLLGWYDTAAAYLVLPVLLIVSQYVSMEIMKPPQTNDPNQKNTLLIFKFLPLM
IGYFSLSVPSGLTIYWFTNNVLSTAQQVWLRKLGAKPAVNENAGGIITAGQAKRSASKP
EKGGERFRQLKEEEEEKKKLIKALPVEEVQPLASASASNDGSDVENNKEQEVTESNTSKV
SQEVQSFSRERRSKRSKRKPVA
```