

A

```

# STOCKHOLM 1.0
one          GAGAAA.UCAACCCUUGGGGGAGCA
two         AGUUCG.CUAAUCCUAGGAGGAGCA
three       GGGAAACCCAA.....GGAGCA
four        AGCAAC.CUAA.....GGAGCA
#=GC SS_cons <<.....>>.<<.....>>.....
#=GC R2R_LABEL .....
#=GC SUBFAM_LABEL_TERM ..xxxxx.....
#=GC SUBFAM_LABEL_OPT .....x.....
#=GC SUBFAM_GNRA_R2R_LABEL -.....-
#=GC SUBFAM_UNCG_R2R_LABEL -.....-
#=GC SUBFAM_OPT_R2R_LABEL  -.....-

```

```

#=GF SUBFAM_REGEX_PRED HAS_GNRA TERM G[A-Z][AG]A
#=GF SUBFAM_REGEX_PRED HAS_UNCG TERM U[A-Z]CG
#=GF SUBFAM_REGEX_PRED FOUR TERM ^[.]*[A-Z][A-Z][A-Z][A-Z][.]*$
#=GF SUBFAM_PERL_PRED GNRA return $predValue{HAS_GNRA} && $predValue{FOUR};
#=GF SUBFAM_PERL_PRED UNCG return $predValue{HAS_UNCG} && $predValue{FOUR};
#=GF SUBFAM_REGEX_PRED OPT OPT [A-Z]

```

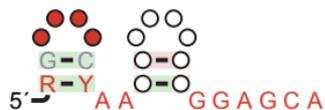
```

#=GF SUBFAM_GNRA_R2R no5
#=GF SUBFAM_GNRA_R2R set_dir pos0 -90
#=GF SUBFAM_UNCG_R2R no5
#=GF SUBFAM_UNCG_R2R set_dir pos0 -90
#=GF SUBFAM_OPT_R2R no5
#=GF SUBFAM_OPT_R2R set_dir pos0 -90
//

```

B

demo-modular



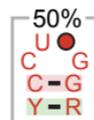
demo-modular-GNRA

subfam_weight=0.230158



demo-modular-OPT

subfam_weight=0.5



demo-modular-UNCG

subfam_weight=0.269842

**C**