annotated proteins

novel proteins

BLAST hits (fraction)

TM segments per protein

Disulphide bonds per protein

- actual protein

○ – mean of 100 scrambled plus minus 1 StDev.
DNA binding sites

RNA binding sites

XNA binding sites

- actual protein

○ – mean of 100 scrambled plus minus 1 StDev.
annotated proteins

novel proteins

- actual protein

○ – mean of 100 scrambled plus minus 1 StDev.
annotated proteins

novel proteins

- actual protein

○ mean of 100 scrambled plus minus 1 StDev.
Buried annotated proteins novel proteins

Intermediate Exposed

0 10 20 30 40 50 60 70
30 60 90 120 150 180 210 240 270

0 10 20 30 40 50 60 70
80 90
30 60 90 120 150 180 210 240 270

0 10 20 30 40 50 60 70

30 60 90 120 150 180 210 240 270

30 60 90 120 150 180 210 240 270

30 60 90 120 150 180 210 240 270

30 60 90 120 150 180 210 240 270

● – actual protein
○ – mean of 100 scrambled plus minus 1 StDev.
annotated proteins

novel proteins

- **H_ReProf**
- **E_ReProf**
- **L_ReProf**

- **actual protein**
- **mean of 100 scrambled plus minus 1 StDev.**
annotated proteins

novel proteins

- actual protein

○ – mean of 100 scrambled plus minus 1 StDev.
**cellular localization**

![Bar chart showing cellular localization](chart1.png)

**amino acid composition**

![Bar chart showing amino acid composition](chart2.png)