Normalized Residue Frequencies (Z-scores) -1.0 -1.0 -0.3 -0.6 -0.4 -0.8 -0.6 -0.6 -0.5 -0.6 -0.7 -0.4 -0.5 -0.5 0.2 -0.8 -0.6 -0.3 -0.3 -0.9 -0.5 0.0 0.9 0.2 -0.4 -0.8 -0.6 -0.4 -0.4 1.4 -0.5 -1.0 -0.3 0.2 -0.6 -0.8 -1.2 -0.4 -0.4 0.5 -1.0 -1.0 -0.7 -0.6 -0.6 -1.3 -1.2 -0.6 -0.6 -0.9 -1.0 -1.0 -0.7 -1.3 -0.6 -0.8 -1.2 -0.6 -0.6 -0.9 - 3 -0.5 -0.5 -0.7 -0.4 -1.2 -0.3 -0.5 -1.3 -0.2 -0.2 0.5 0.5 -0.7 0.9 -0.1 1.5 -0.2 0.5 1.4 -0.1 1.0 1.0 0.5 0.2 0.9 1.4 8.0 0.2 0.1 0.5 - 2 -1.0 -0.5 0.1 -0.6 -0.4 0.3 0.8 -0.3 -0.3 0.0 Z-Score -1.0 -0.5 -0.7 0.2 4.3 -0.8 0.1 4.4 4.5 -0.9 -0.0 0.0 -0.3 -0.3 -0.2 -0.3 -0.5 -1.3 -0.6 -0.4 0.5 0.5 0.5 -0.6 0.1 0.9 1.5 0.1 -0.1 -0.9 -0.0 -0.5 -0.3 0.2 -0.3 -0.8 -0.6 -0.3 -0.2 -0.5 -0.0 -0.3 -0.3 -0.2 -0.3 -0.9 0.0 0.2 0.1 -0.2 -0.5 -0.5 -0.7 -0.6 -0.4 -0.8 -0.6 -0.6 -0.3 -0.5 0.5 0.5 0.9 -0.6 -0.1 0.3 0.1 -0.1 0.2 1.0 - 0 2.0 2.1 0.5 2.3 0.5 0.9 0.1 -0.1 -0.1 1.0 1.0 -0.3 0.1 0.0 0.9 1.4 0.1 -0.3 0.1 0.0 -0.0 0.0 0.1 -1.3 -0.3 0.1 -0.1 -0.2 -0.2 -0.5 3.0 3.1 3.8 2.3 0.7 2.5 2.9 0.7 0.3 3.3 -0.5 -0.7 -0.1 -0.5 0.2 -0.8 0.1 -0.1 -0.1 0.0

1511

odas

odas

odak

1elt

ALA -

ARG -

ASN -

ASP -

CYS -

FLC -

GLN -

GLU -

GLY -

HIS -

HOH -

ILE -

LEU -

LYS -

MET -

PHE -

PRO -

SER -

THR -

TRP -

TYR -

VAL -

Residue

-0.3

-0.3

-0.2

-0.3

-0.5

-0.5

-0.2

-0.2

-0.1

-0.5

4.5

-0.2

-0.0

-0.3

-0.3

-0.4

-0.1

-0.0

-0.1

-0.4

0.6

-0.4

-0.5

-0.5

-0.0

-0.9

-0.9

-0.9

-0.5

0.4

1.4

-0.5

-0.9

-0.0

0.9

-0.5

-0.0

-0.5

0.4

2.3

-0.9

-0.0

2.8

-0.5

543

SKIU