

G
A
V
L
I
M
F
W
P
S
T
C
Y
N
Q
D
E
K
R
H

LA81
LA82
VA83
NA84
GA85
HA86
SA87
MA88
VA89
SA90
VA91
SA92
TA93
PA94
IA95
SA96
EA97
YA98
YA99
EA100
SA101
EA102
KA103
DA104
EA105
DA106
GA107
FA108
LA109
YA110
MA111
VA112
YA113
AA114
SA115
QA116
EA117
TA118
FA119
GA120

FoldX $\Delta\Delta G$ (kcal/mol)

8

6

4

2

0

