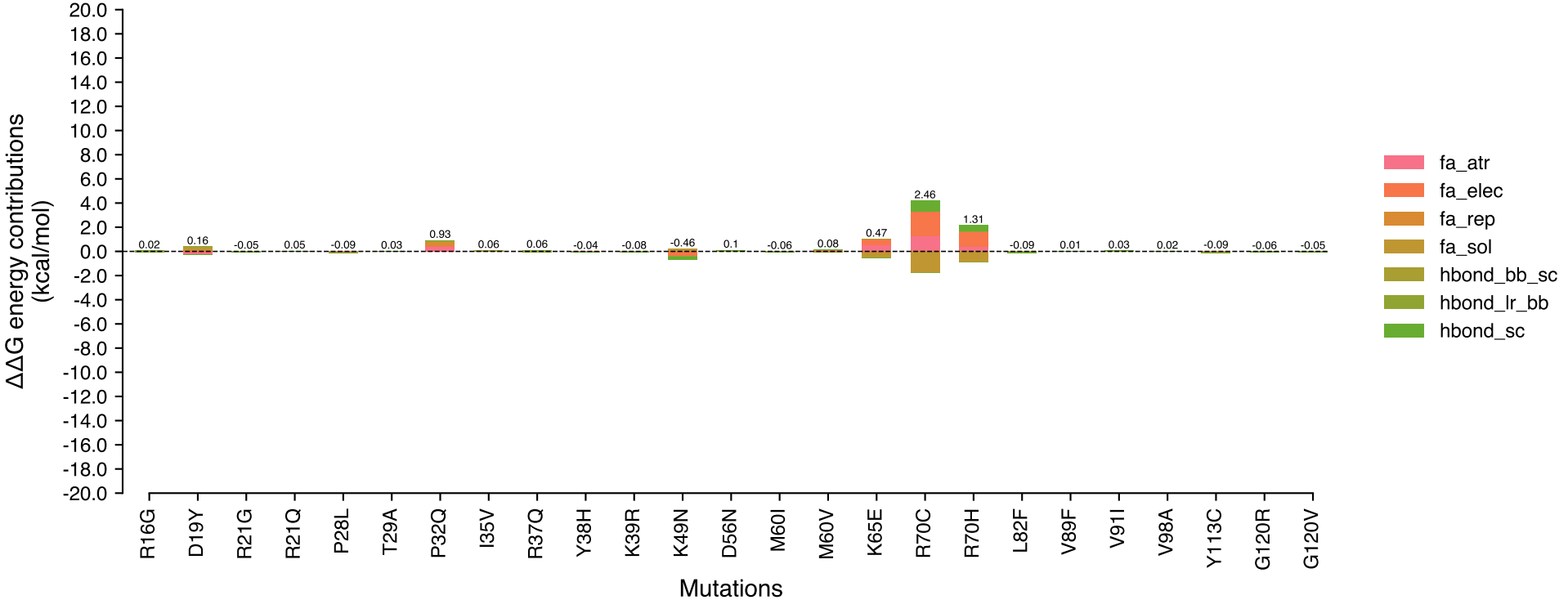
ΔΔG energy contributions (kcal/mol)
20.0
18.0
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
-2.0
-4.0
-6.0
-8.0
-10.0
-12.0
-14.0
-16.0
-18.0
-20.0
0.02
0.16
-0.05
0.05
-0.09
0.03
0.93
0.06
0.06
-0.04
-0.08
-0.46
0.1
-0.06
0.08
0.47
2.46
1.31
-0.09
0.01
0.03
0.02
-0.09
-0.06
-0.05
R16G
D19Y
R21G
R21Q
P28L
T29A
P32Q
I35V
R37Q
Y38H
K39R
K49N
D56N
M60I
M60V
K65E
R70C
R70H
L82F
V89F
V91I
V98A
Y113C
G120R
G120V
Mutations
fa_atr
fa_elec
fa_rep
fa_sol
hbond_bb_sc
hbond_lr_bb
hbond_sc