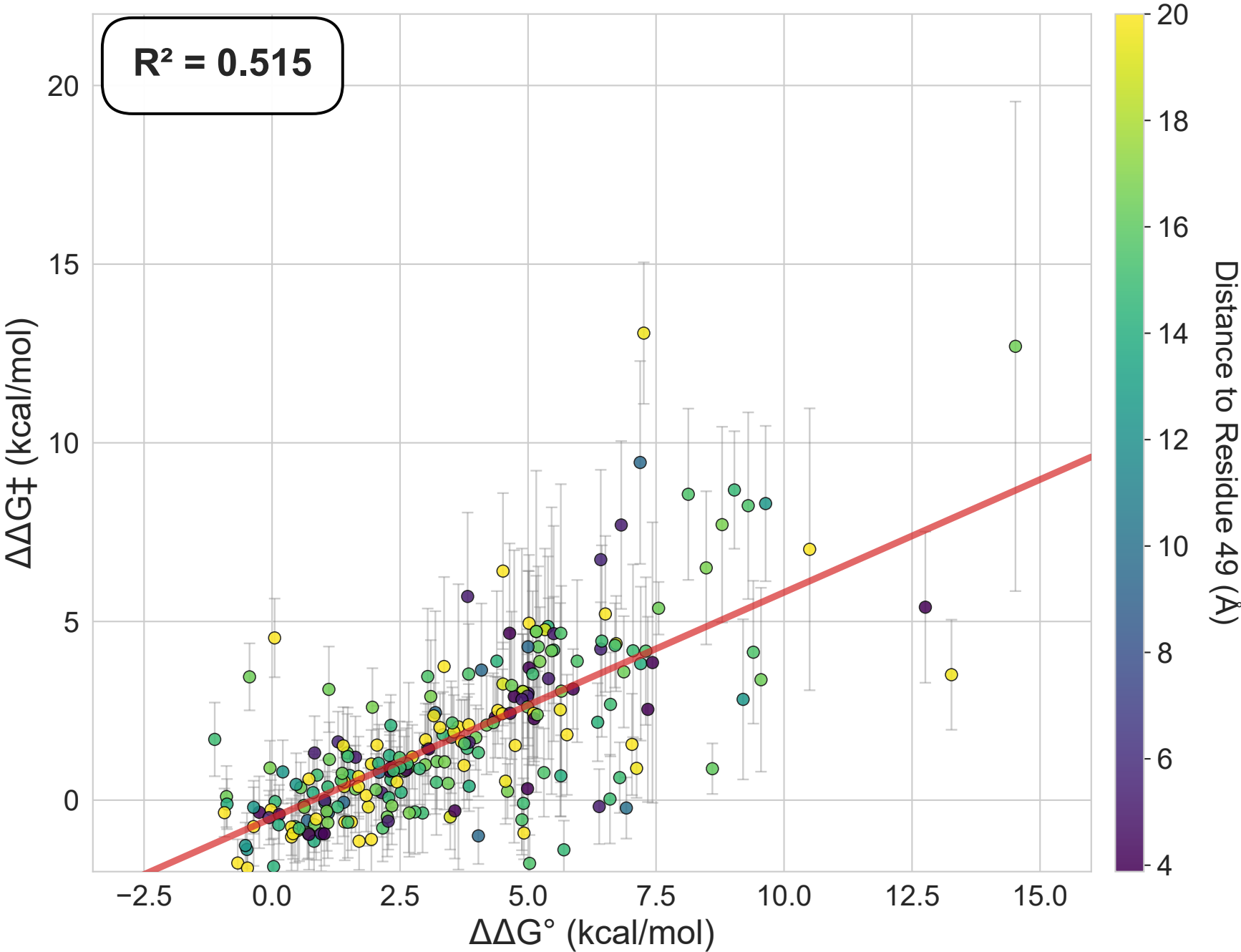


Linear Free-Energy Relationship



Mutations by Distance

F48Y	3.9 Å
T52A	5.2 Å
S47A	5.6 Å
R99C	9.5 Å
T54Q	10.0 Å
H144Q	12.5 Å
H177Q	14.0 Å
G74A	14.3 Å
T178A	14.8 Å
E143S	15.0 Å
P142S	15.5 Å
F139L	16.1 Å
K87T	16.4 Å
Y104F	16.5 Å
G102S	16.8 Å
L24I	18.7 Å
T60A	19.1 Å
S4R	19.6 Å
N107S	20.0 Å
R181S	20.0 Å