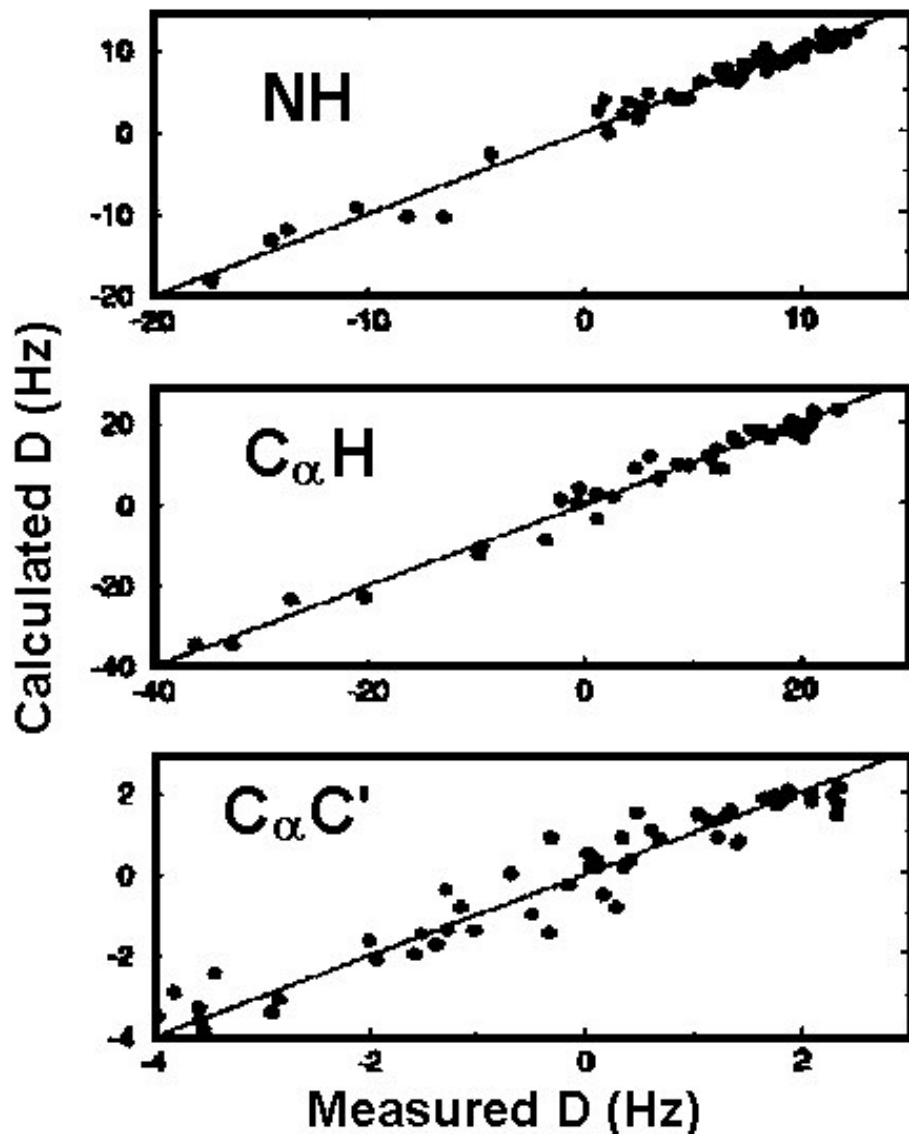


Predicted Residual Dipolar Couplings Compared to Measured Values



Human Ubiquitin

Predicted Values based on the
1.8 Å X-ray structure

Optimization of the fit gave:

D_a and R

Three angles which orient the
alignment frame relative to the
X-ray coordinate system:

α , β and γ (Euler angles)

Tjandra and Bax, *Science*, **278** (1997),
1111-1114