

Table S5. Classification of magnitude Bode plot data of C_α atoms.

Type of function to which frequency response data may be fitted	Percentage of residues modeled with lead-lag transfer functions	Percentage of residues not modeled with lead-lag transfer functions
Monotonic decreasing	55	25
Monotonic increasing	5.0	3.3
No trend	-	7.8
Concave	-	3.9