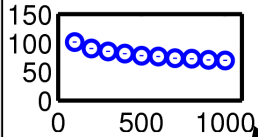


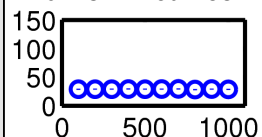
### Dataset 1

$^{13}\text{C}$ , 800MHz, MQ, 25°C,  $T_{\text{CPMG}}=20\text{ms}$

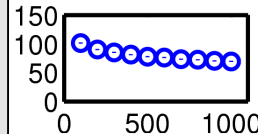
Curve 1: Ile 10 $\delta$ 1



Curve 2: Leu 13 $\delta$ 1



Curve 3: Leu 22 $\delta$ 1



More curves...



### Group 1: Ile 10 $\delta$ 1

$P_A(25^\circ\text{C})$ ,  $k_{\text{ex}}(25^\circ\text{C})$

$P_A(37^\circ\text{C})$ ,  $k_{\text{ex}}(37^\circ\text{C})$

### Curveset 1: Ile 10 $\delta$ 1

$|\Delta\omega\text{H}|(1)$ ,  $|\Delta\omega\text{C}|(1)$

Curve 1

$R20(1)$



Curve 2

$R20(2)$



*Kinetic parameters are shared among all curves in the group*

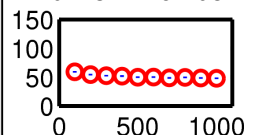
*Structural parameters are shared among all curves in the curveset*

*Relaxation parameters are not shared*

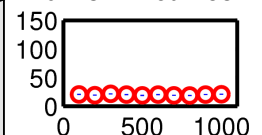
### Dataset 2

$^{13}\text{C}$ , 800MHz, MQ, 37°C,  $T_{\text{CPMG}}=20\text{ms}$

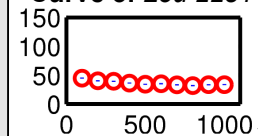
Curve 1: Ile 10 $\delta$ 1



Curve 2: Leu 13 $\delta$ 1



Curve 3: Leu 22 $\delta$ 1



More curves...



### Group 2: Ile 10 $\delta$ 1 + Leu 22 $\delta$ 1

$P_A(25^\circ\text{C})$ ,  $k_{\text{ex}}(25^\circ\text{C})$

$P_A(37^\circ\text{C})$ ,  $k_{\text{ex}}(37^\circ\text{C})$

### Curveset 1: Ile 10 $\delta$ 1

$|\Delta\omega\text{H}|(1)$ ,  $|\Delta\omega\text{C}|(1)$

Curve 1

$R20(1)$



Curve 2

$R20(2)$



### Curveset 2: Leu 22 $\delta$ 1

$|\Delta\omega\text{H}|(2)$ ,  $|\Delta\omega\text{C}|(2)$

Curve 3

$R20(3)$



Curve 4

$R20(4)$



More datasets...



More groups...

