

## Supplemental Table 1

### Structure calculation statistics

	Mouse SPX
Nonredundant upper-limit distance constraints	159
Short range $i-j = 1$	106
Medium range $1 < i-j < 5$	49
Long range $i-j \geq 5$	4
Residual NOE target function ( $\text{\AA}^2$ )	0.03
Residual NOE distance limit violations	
$\geq 0.2 \text{\AA}$	0
Maxium ( $\text{\AA}$ )	0.01
Average violation ( $\text{\AA}$ )	0.0006
RMSD from the mean coordinates ( $\text{\AA}$ )	Residues 5–13
Backbone atoms	$0.02 \pm 0.01$
All heavy atoms	$0.34 \pm 0.09$
Ramachandran statistics for $\Phi$ and $\Psi$	
Residues in most favored region (%)	100.0%
Residues in additional allowed region (%)	0.0%
Residues in generously allowed region (%)	0.0%
Residues in disallowed region (%)	0.0%

(NOE, Nuclear Overhauser effect; RMSD, Root mean square deviation)