

Supporting Information

Protein Structure Refinement through Structure Selection and Averaging from Molecular Dynamics Ensembles

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Table S1: Change in RMSD (Å) and GDT-HA for the structure closest to the subset average relative to their respective values from the initial models.

Target	200 ns		8×3 ns	
	Δ RMSD	Δ GDT-HA	Δ RMSD	Δ GDT-HA
TR592	-0.08	3.1	-0.03	-0.2
TR453	0.15	-0.3	0.07	-0.3
TR432	-0.20	0.4	-0.11	0.4
TR462a	0.20	2.7	0.11	0.7
TR594	0.24	-0.2	0.04	-0.9
TR614	0.44	-1.1	0.19	-2.5
TR435	0.26	-3.8	0.08	-3.3
TR530	-0.11	-1.6	-0.09	-2.2
TR488	-0.14	2.1	-0.07	0.5
TR469	0.03	-2.8	0.00	-3.2
TR462b	0.11	0.4	0.08	0.4
TR389	-0.21	-5.2	0.03	-4.9
TR464	0.03	0.7	0.04	-0.4
TR569	-0.30	-1.0	-0.03	0.3
TR454	-0.08	1.4	-0.05	-0.1
TR567	-0.05	2.6	0.01	2.8
TR574	0.79	0.7	0.14	-2.7
TR557	-0.50	1.4	-0.16	2.2
TR429a	-0.11	8.9	0.03	2.4
TR517	0.31	-1.0	0.07	0.8
TR606	-0.48	1.2	0.02	-2.9
TR429b	-0.13	-0.3	-0.06	0.3
TR624	-0.42	4.0	0.06	0.0
TR568	-0.06	1.6	0.22	0.5
TR622	0.21	2.5	0.39	-0.6
TR576	0.40	-0.7	0.72	-3.3
Avg.	0.01	0.6	0.07	-0.6

Figure S1. Change in GDT-HA of all CASP8 and CASP9 targets after refinement without imposing restraints using C36ff

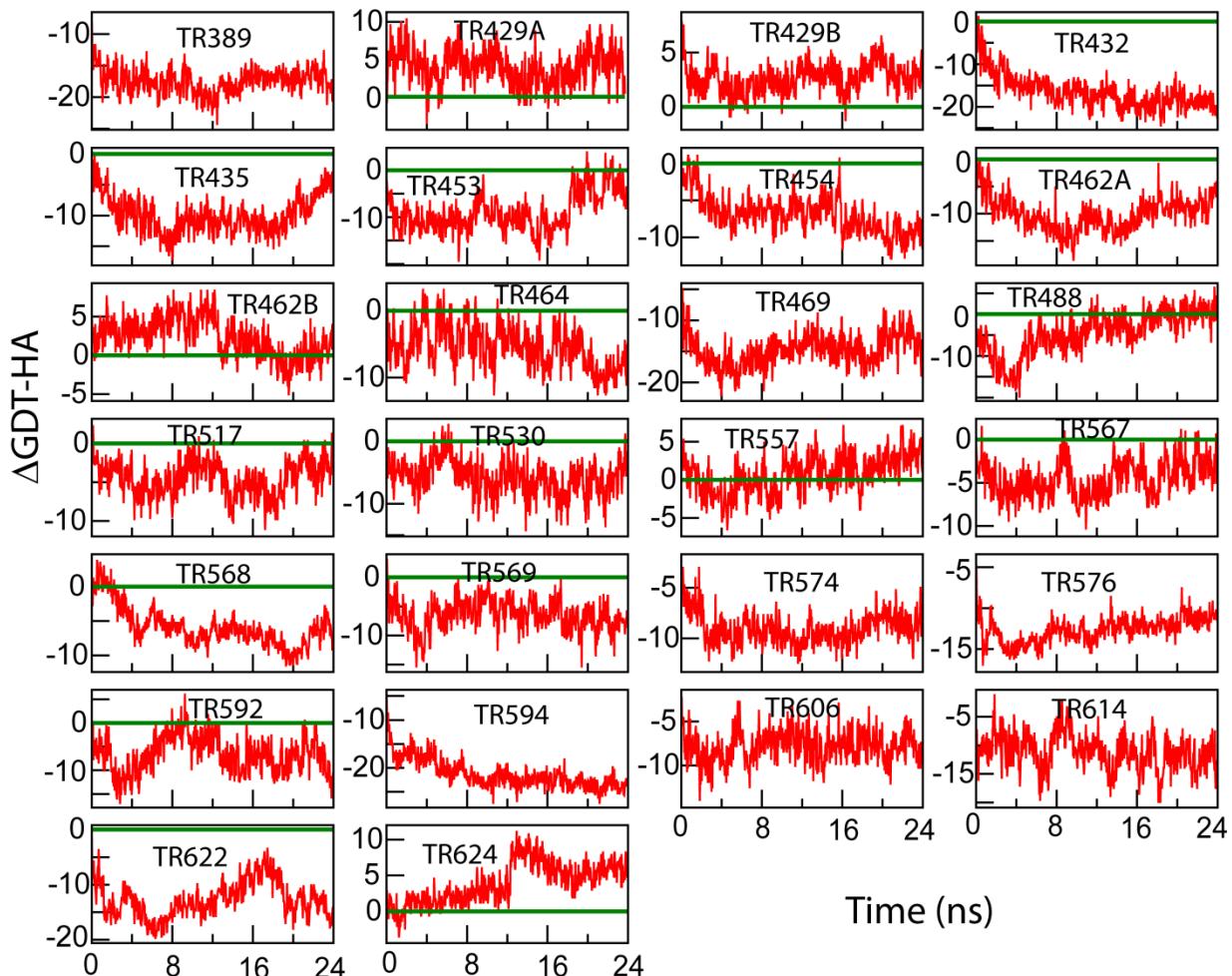


Figure S2. Change in GDT-HA vs. time for all targets with 200 ns simulation with imposed restraints

