

Cooperative heparin-mediated oligomerization of Fibroblast Growth Factor-1 (FGF1) precedes recruitment of FGFR2 to ternary complexes

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Supporting Material

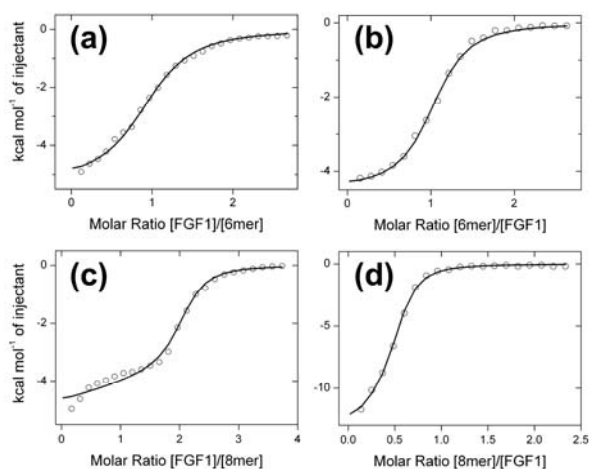


Figure S1: Analysis of the FGF1-heparin hexasaccharide interaction by direct (a) and reverse (b) titrations using a one-site binding model and analysis of the FGF1-heparin octasaccharide interaction by direct (c) and reverse (d) titrations using a two-site binding model.

Titration	N_1	K_D1 (nM)	ΔG_1 (kcal mol ⁻¹)	ΔH_1 (kcal mol ⁻¹)	$-T\Delta S_1$ (kcal mol ⁻¹)	N_2	K_D2 (nM)	ΔG_2 (kcal mol ⁻¹)	ΔH_2 (kcal mol ⁻¹)	$-T\Delta S_2$ (kcal mol ⁻¹)
FGF1-6mer	1.02	467	-8.7	-4.4	4.3					
6mer-FGF1	0.97	671	-8.5	-5.3	-3.2					
FGF1-8mer	0.5	340	0.6	-360.0	-360.6	0.25	342	13.1	-354.5	-341.4
8mer-FGF1	1.00	115	-5.4	-250.5	-254.1	1.00	116	13.6	-242.4	-256.0

Table S1: Thermodynamic parameters for the interaction between FGF1 and heparin hexa- and deca-saccharide as analyzed by either a one-site or two-site model.