## Session Map 10 (Id=736-08-C44) Start Interfaces Interface Search Monomers

Assemblies

## Interfaces in PDB 7dn3

STRUCTURE OF HUMAN RNA POLYMERASE III ELONGATION COMPLEX

					In	ter	faces 🚱	XML	View	Details	Download	Search					
##	## Structure 1			×		Structure 2			interface	$\Delta^{i}G$	$\Delta^{i}G$	N <sub>HB</sub>	N <sub>SB</sub>	N <sub>DS</sub>	CSS		
NN 4	<b>(())</b>	Range	<sup>i</sup> N <sub>at</sub>	<sup>i</sup> N <sub>res</sub>	Surface Å <sup>2</sup>		Range	<sup>i</sup> N <sub>at</sub>	<sup>i</sup> N <sub>res</sub>	Surface Å <sup>2</sup>	area, Å <sup>2</sup>	kcal/mol	P-value				
1	•	Α	844	228	64526	<b>◊</b>	В	833	204	48874	8233.8	-101.8	0.004	93	20	0	0.000
	0	О	274	75	24978	<b>◊</b>	Q	218	49	10471	2354.8	-22.6	0.561	10	2	0	0.000
	0	M	239	51	12223	<b>\Q</b>	N	191	48	7103	2066.6	-28.7	0.384	27	4	0	0.000
4	0	С	204	51	18867	<b>\Q</b>	K	196	47	7175	2038.3	-34.4	0.011	15	8	0	0.000
5	0	G	206	53	10648	<b>\Q</b>	D	187	49	8929	1963.5	-28.1	0.219	15	3	0	0.000
6	0	Α	211	56	64526	<b>◊</b>	F	196	51	5471	1891.1	-26.4	0.214	12	2	0	0.000
7	0	Р	177	49	10590	<b>◊</b>	0	210	60	24978	1844.7	-17.6	0.649	12	5	0	0.000
8	0	Α	193	57	64526	<b>◊</b>	O	212	51	24978	1809.1	-7.8	0.684	14	2	0	0.000
9	0	В	200	57	48874	<b>◊</b>	С	186	52	18867	1798.9	-6.4	0.700	29	10	0	0.000
10	0	Α	172	44	64526	<b>\Q</b>	Н	188	50	6921	1796.3	-18.2	0.096	21	9	0	0.000
11	0	Α	191	60	64526	<b>◊</b>	E	178	46	11589	1717.2	-10.5	0.444	17	9	0	0.000
12	0	В	179	55	48874	<b>◊</b>	J	139	31	4505	1461.4	-18.2	0.382	15	1	0	0.000
13	0	Α	153	40	64526	<b>◊</b>	I	122	35	5222	1333.1	-18.3	0.310	11	0	0	0.000
14	0	Α	126	29	64526	<b>◊</b>	G	163	44	10648	1327.7	-11.3	0.564	10	0	0	0.000
15	0	В	140	44	48874	<b>◊</b>	L	110	27	4427	1159.0	-9.6	0.441	13	5	0	0.000
16	0	С	107	31	18867	<b>\Q</b>	J	86	25	4505	944.4	-7.3	0.588	8	5	0	0.000
17	0	Α	94	23	64526	<b>◊</b>	K	102	28	7175	919.4	-3.5	0.712	15	4	0	0.000
18	0	В	89	29	48874	<b>◊</b>	M	87	23	12223	826.9	1.4	0.878	8	1	0	0.000
19	0	X	82	16	3839	<b>◊</b>	Υ	77	16	5505	733.3	-9.5	0.734	26	0	0	0.000
20	0	Α	81	25	64526	<b>\Q</b>	Υ	72	8	5505	680.5	-4.8	0.707	9	0	0	0.000
21	0	В	70	22	48874	<b>\Q</b>	N	71	23	7103	655.3	-9.6	0.363	3	0	0	0.000
22	0	С	80	20	18867	<b>•</b>	L	56	11	4427	627.7	-1.2	0.666	14	8	0	0.000
23	0	Р	59	16	10590	<b>\Q</b>	Q	51	14	10471	513.8	-8.3	0.597	3	1	0	0.000
24	0	Α	49	18	64526	<b>\Q</b>	С	54	11	18867	455.6	-4.1	0.400	4	0	0	0.000
25	0	1	52	13	5222	<b>◊</b>	M	53	19	12223	434.1	-3.9	0.612	1	0	0	0.000

Session Map (Id=736-08-C44)

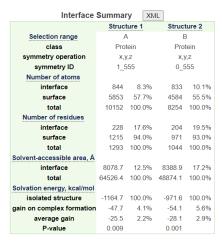
Start Interfaces Interface Search

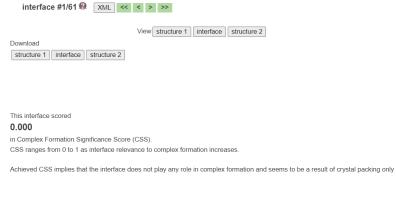
Monomers

Assemblies

## interface # 1 in PDB 7dn3

STRUCTURE OF HUMAN RNA POLYMERASE III ELONGATION COMPLEX





	Hydrogen	bonds	XML		Salt bri	No disulfide bonds found		
##	Structure 1	Dist. [Å]	Structure 2	##	Structure 1	Dist. [Å]	Structure 2	No covalent bonds found
1	A:ARG 855[ NH2]	2.39	B:PRO 481[ 0 ]	1	A:ARG 484[ NE ]	3.67	B:GLU 892[ OE2]	
2	A:ARG 816[ NH1]	3.56	B:GLU 638[ 0 ]	2	A:LYS 877[ NZ ]	3.07	B:GLU1049[ OE1]	

## 

##	Structure 1	HSDC	ASA	BSA	Δ <sup>i</sup> G	##	Structure 2	HSDC ASA	BSA	$\Delta^{i}G$
1	A:GLU 4		220.28	0.00	0.00	1	B:VAL 23	109.30	0.00	0.00
2	A:GLN 5		178.81	0.00	0.00	2	B:GLU 24	152.70	0.00	0.00
3	A:PHE 6		163.91	0.00	0.00	3	B:GLU 25	47.38	0.00	0.00
4	A:ARG 7		184.07	0.00	0.00	4	B:LYS 26	25.97	0.00	0.00
5	A:GLU 8		113.51	0.00	0.00	5	B:TRP 27	48.76	0.00	0.00
6	A:THR 9		80.56	0.00	0.00	6	B:ARG 28	102.99	0.00	0.00
7	A:ASP 10		132.27	0.00	0.00	7	B:LEU 29	0.16	0.00	0.00
8	A:VAL 11		98.53	36.66	0.34	8	B:LEU 30	0.00	0.00	0.00
	[ C ]					9	B:PRO 31	33.40	0.00	0.00
	[0]					10	B:ALA 32	7.12	0.00	0.00
	[ CG1]					11	B:PHE 33	0.17	0.00	0.00
	[ CG2]					12	B:LEU 34	20.74	0.00	0.00
9	A:ALA 12		95.84	63.60	0.62	13	B:LYS 35	163.24	0.00	0.00
	[ N ]					14	B:VAL 36	60.18	0.00	0.00
	[ CA ]					15	B:LYS 37	40.99	0.00	0.00
	[ C ]					16	B:GLY 38	0.00	0.00	0.00
	[0]					17	B:LEU 39	15.04	0.00	0.00
	[ CB ]					18	B:VAL 40	6.72	0.00	0.00
10	A:LYS 13		170.11	111.92	0.82	19	B:LYS 41	71.36	0.00	0.00
	[ N ]					20	B:GLN 42	0.65	0.00	0.00
	[ CA ]					21	B:HIS 43	1.05	0.00	0.00
	[ C ]					22	B:ILE 44	20.41	0.00	0.00
	[0]					23	B:ASP 45	45.33	0.00	0.00
	[ CB ]					24	B:SER 46	6.14	0.00	0.00
	[ CG ]					25	B:PHE 47	0.00	0.00	0.00
	[ CD ]					26	B:ASN 48	34.06	0.00	0.00
	[ CE ]					27	B:TYR 49	56.66	0.00	0.00