

Table S1. Similarity of RNA polymerase subunits in *Synechocystis* and *T. thermophilus*

	chain ID	gene name and ID code	# of residues / included residues		model / template
subunit	2A6E	<i>Synechocystis</i>	<i>Thermus thermophilus</i> / 2A6E	<i>Synechocystis</i> / models	% identity
α	A / B	<i>rpoA</i> (sll1818)	315 / 1-229	314 / 1-230	42.79
β	C	<i>rpoB</i> (sll1787)	1119 / 1-1119	1102 / 1-1082	50.18
β'	D	<i>rpoC2</i> (sll1789)	1524 / 2-251, 364-1505	1317 / 1-340, 976-1257	49.28
γ		<i>rpoC1</i> (sll1265)		626 / 1-626	
ω	E	<i>rpoZ</i> (ssl2982)	96 / 2-96	76 / -	19.74
σ	F	<i>sigA</i> (slr0653)	423 / 74-378, 384-423	425 / 66-425	48.41
		<i>sigB</i> (sll0306)		345 / 30-345	41.77
		<i>sigC</i> (sll0184)		404 / 44-404	39.71
		<i>sigD</i> (sll2012)		318 / 1-318	39.94
		<i>sigE</i> (sll1689)		369 / 52-369	39.62