

Figure S3

Thermococcales predicted *dif* sites and conserved flanking regions

	<i>dif</i>																																																																									
	Conserved flanking sequence					Left Arm					Spacer		Righth Arm					Conserved flanking sequence																																																								
<i>P. horikoshii</i>	A	T	G	T	T	C	A	T	T	T	T	T	A	T	A	T	C	A	G	C	C	T	T	A	T	A	T	C	T	A	A	A	A	G	T	A	A	T	G	T	A	T	A	A	A	A	A	T	G	A	A	C	A	T	C	A	A																	
<i>P. furiosus</i>	A	T	G	C	T	C	A	T	C	T	A	T	G	T	T	A	G	A	T	A	T	A	A	T	C	A	G	C	C	T	T	A	T	A	T	C	T	A	A	A	A	A	A	A	A	A	A	A	A	A	A	T	G	A	G	C	G	T	C	G	A													
<i>P. abyssi</i>	A	T	G	C	A	C	A	T	A	T	T	T	G	T	A	T	A	A	T	C	G	G	C	C	T	T	A	T	A	T	C	T	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	T	G	A	G	C	G	T	T	G	A																	
<i>T. kodakarensis</i>	G	T	G	C	C	A	T	T	T	T	G	T	A	T	A	A	T	G	T	A	C	C	C	T	T	A	T	A	T	G	A	C	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	T	G	A	G	C	A	T	A	G	A																	
<i>T. onnurineus</i>	A	T	G	T	T	C	A	A	A	C	A	T	G	T	A	T	A	A	T	G	T	G	T	C	T	T	A	T	A	T	C	T	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	T	G	T	G	T	A	T	A	T	G	A																
<i>T. gammatolerans</i>	A	T	G	C	T	C	G	G	A	C	T	T	G	A	T	A	T	A	T	A	T	A	A	T	G	A	T	C	C	T	T	A	T	A	T	C	T	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	T	C	C	C	G	T	A	C	A	G	A	T	G	A	A	C	A	T	A	C	A	
<i>T. sibiricus</i>	T	T	G	A	T	T	T	A	C	A	C	T	A	T	A	T	A	A	T	A	A	G	C	C	T	T	A	T	A	T	C	T	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	T	C	A	T	G	C	A	C	A	A	T	A	C	A	T	C	A	T									
Consensus	A	T	G	Y	T	C	A	T	W	T	T	T	G	T	W	C	R	T	T	A	A	T	T	T	A	G	A	T	A	T	A	A	T	S	W	G	C	C	T	T	A	T	A	T	C	T	A	A	A	A	-	T	M	A	T	G	W	A	C	A	A	W	A	A	T	G	A	R	C	R	T	Y	G	A

Consensus

