

Table S3. Results of NCBI GenBank database searches with 11 satDNAs of *T. molitor*.

satDNA	WGS insecta (4235 databases)				NCBI insecta nucleotide collection			
	Species	Order	Query cover (%)	Identity (%)	Species	Order	Query cover (%)	Identity (%)
TmSat1 (142 bp)	<i>Solenopsis invicta</i>	Hymenoptera	100	100	<i>Tenebrio obscurus</i>	Coleoptera	99	78.3
	<i>Periplaneta americana</i>	Blattodea	100	98.6				
	<i>Zophobas morio</i>	Coleoptera	100	100				
TmSat2 (180 bp)					<i>Camptogramma bilineata</i>	Lepidoptera	21	89.7
TmSat3 (325 bp)	<i>Phosphuga atrata</i>	Coleoptera	28	77.6	<i>Phosphuga atrata</i>	Coleoptera	29	78.7
	<i>Drosophila melanica</i>	Diptera	11	97.3	<i>Aelia acuminata</i>	Hemiptera	12	90.0
	<i>Drosophila micromelanica</i>	Diptera	10	100	<i>Bellardia bayeri</i>	Diptera	18	85.4
TmSat4 (245 bp)	<i>Podabrus alpinus</i>	Coleoptera	36	76.6	<i>Podabrus alpinus</i>	Coleoptera	64	75.5
	<i>Hydrotaea cyrtoneurina</i>	Diptera	24	91	<i>Cantharis rustica</i>	Coleoptera	25	90.0
					<i>Cantharis nigra</i>	Coleoptera	17	88.1
					<i>Cantharis rufa</i>	Coleoptera	17	88.1
					<i>Bemisia tabaci</i>	Hemiptera	15	89.5
					<i>Rhagonycha fulva</i>	Coleoptera	17	88.1
					<i>Hydrotaea cyrtoneurina</i>	Diptera	25	88.0
					<i>Salpingus planirostris</i>	Coleoptera	11	100
				<i>Agonum fuliginosum</i>	Coleoptera	24	80.3	
TmSat5 (364 bp)	<i>Neruda aoede</i>	Lepidoptera	17	83.1	<i>Miltochrista miniata</i>	Lepidoptera	11	88.4
					<i>Yponomeuta plumbellus</i>	Lepidoptera	10	89.5
TmSat6 (227 bp)	<i>Periplaneta americana</i>	Blattodea	95	93.5	<i>Melinaea menophilus</i>	Lepidoptera	17	92.7
					<i>Synanthedon formicaeformis</i>	Lepidoptera	22	82.7
					<i>Chloroclysta siterata</i>	Lepidoptera	19	84.4
					<i>Melinaea marsaeus rileyi</i>	Lepidoptera	16	89.7
TmSat7 (189 bp)	<i>Dinoponera quadriceps</i>	Hymenoptera	100	100				
	<i>Periplaneta americana</i>	Blattodea	88	97.1				

