

1 **Additional File 4: Table. Sequence identity matrix of 772-bp *groEL* fragments of SBSEC species.**

	Sequence identity range [%]					
	<i>Sii</i>	<i>S. lutetiensis</i>	<i>S. equinus</i>	<i>Sgg</i>	<i>Sgp</i>	<i>Sgm</i>
<i>Sii</i>	99.3-100.0	94.9-95.4	91.9-93.3 (98.1) ¹	90.1-90.6	90.4-90.7	90.1-90.5
<i>S. lutetiensis</i>		99.4-100.0	92.2-93.6 (95.5) ¹	90.7-91.0	91.1-91.4	90.6-91.0
<i>S. equinus</i>			(92.8) ¹ 97.5-100.0	(90.6) ¹ 91.6-93.5	(91.3) ¹ 92.2-93.3	(90.6) ¹ 91.5-93.1
<i>Sgg</i>				99.2-100.0	98.1-98.7	98.8-99.2
<i>Sgp</i>					100.0	97.7-97.9
<i>Sgm</i>						99.8-100.0

2 ¹ Sequence identity value for *S. equinus* JB1 is given in () due to its high divergence within its species