

#### Additional file 4. IS elements inserted in specific fragments of *Lxc* genome

Occurrences of <i>Lxc</i> IS elements <sup>a</sup>		Nearby ORFs	Within ORFs
45 (EU599623)	<i>IS1237</i>		serine protease
46 (EU599624)	<i>ISLxc2</i>		citrate lyase beta chain
47 (EU599625)	<i>IS1237</i>		type I restriction- modification
48 (EU599626)	<i>IS1237</i>	-	
49_50 (EU599627)	<i>ISLxc2</i> <i>IS1237</i>		hypothetical protein (49) <i>ISLxc2</i>
51 (EU599628)	<i>IS1237</i>	-	
52 (EU599629)	<i>IS1237</i>	-	
53 (EU599630)	<i>ISLxc2</i>	-	
54 (EU599631)	<i>ISLxc2</i>	-	
55 (EU599632)	<i>ISLxc4</i> d1	-	
56 (EU599633)	<i>ISLxc2</i>	-	

<sup>a</sup> - IS elements of the same family are indicated by color: IS5 family - green; IS481 family - red; IS30 family – blue. The ID beneath are GenBank accession numbers of all flanking regions.