

**Supplementary Table 2:** AcrIIC5<sub>Smu</sub> homolog % identities.

	AcrIIC5 <sub>Smu</sub>	AcrIIC5 <sub>Nzo</sub>	AcrIIC5 <sub>N10023</sub>	AcrIIC5 <sub>N95_16</sub>	AcrIIC5 <sub>Nwa</sub>
<i>S. muelleri</i>	100				
<i>N. zoodegmatidis</i>	28	100			
<i>Neisseria</i> sp. 10023	30	75	100		
<i>Neisseria</i> sp. N95_16	27	72	84	100	
<i>N. wadsworthii</i>	25	47	51	50	100