

Table 1

Protein-protein interactions of key components of the Sec transport machinery. Affinities when available are indicated in nM; note that different experimental setups were used for determining these values. (+) indicates that interaction has been observed but affinities not yet determined; (–) interaction has not been observed so far. (n.a.) not applicable. \*binding has been observed but functional relevance is unclear. Adapted from: <sup>(1)</sup>Bornemann et al. (2008), <sup>(2)</sup>Zhang et al. (2010), <sup>(3)</sup>Holtkamp et al. (2012), <sup>(4)</sup>Bahari et al. (2007), <sup>(5)</sup>Jagath et al. (2000), <sup>(6)</sup>Peluso et al. (2000), <sup>(7)</sup>Patzelt et al. (2002), <sup>(8)</sup>Rutkowska et al. (2008), <sup>(9)</sup>Huber et al. (2011), <sup>(10)</sup>Woodbury et al. (2002), <sup>(11)</sup>Randall and Hardy (2002), <sup>(12)</sup>Topping et al. (2001), <sup>(13)</sup>Prinz et al. (2000), <sup>(14)</sup>Beck et al. (2001), <sup>(15)</sup>Frauenfeld et al. (2011), <sup>(16)</sup>Kuhn et al. (2011), <sup>(17)</sup>Angelini et al. (2005), <sup>(18)</sup>Douville et al. (1995), <sup>(19)</sup>Bessonneau et al. (2002), <sup>(20)</sup>Scheuring et al. (2005), <sup>(21)</sup>Sagara et al. (1994), <sup>(22)</sup>Duong and Wickner (1997), <sup>(23)</sup>Kohler et al. (2009), <sup>(24)</sup>Welte et al. (2012), <sup>(25)</sup>Sachelaru et al. (unpublished), <sup>(26)</sup>Jiang et al. (2003), <sup>(27)</sup>Lotz et al. (2008).

	Ribo some	RNCs	SRP	FtsY	TF	SecA	SecB	SecYEG	SecDF	YidC
Ribo some	n.a.	n.a.	50–100 <sup>(1,2)</sup>	+ <sup>*(4)</sup>	1000–2000 <sup>(7,8)</sup>	900 <sup>(9)</sup>	–	6 <sup>(13)</sup>	–	+ <sup>(23, 24)</sup>
RNCs	n.a.	n.a.	0.5–1 <sup>(1,2,3)</sup>	+ <sup>*(4)</sup>	100–500 <sup>(8)</sup>	200–300 <sup>(9)</sup>	–	+ <sup>(14, 15)</sup>	–	+ <sup>(23)</sup>
SRP	50–100 <sup>(1,2)</sup>	0.5–1 <sup>(1,2,3)</sup>	n.a.	220 <sup>(6)</sup> , 24–36 <sup>(5)</sup>	n.a.	n.a.	n.a.	–	–	+ <sup>(24)</sup>
FtsY	+ <sup>*(4)</sup>	+ <sup>*(4)</sup>	220 <sup>(5)</sup> , 24–36 <sup>(6)</sup>	n.a.	n.a.	n.a.	n.a.	+ <sup>(16,17)</sup>	–	+ <sup>(24)</sup>
TF	1000–2000 <sup>(7,8)</sup>	100–500 <sup>(8)</sup>	n.a.	n.a.	18,000 <sup>(7)</sup>	n.a.	–	–	–	–
SecA	900 <sup>(9)</sup>	200–300 <sup>(9)</sup>	n.a.	n.a.	n.a.	100 <sup>(10)</sup>	1000–1600 <sup>(11)</sup>	0.02–0.04 <sup>(18)</sup>	–	–
SecB	–	–	–	–	–	1000–1600 <sup>(11)</sup>	+ <sup>(12)</sup>	–	–	–
SecYEG	6 <sup>(13)</sup>	+ <sup>(14,15)</sup>	–	+ <sup>(16,17)</sup>	–	0.02–0.04 <sup>(18)</sup>	–	+ <sup>(19,20)</sup>	+ <sup>(21,22)</sup>	+ <sup>(25)</sup>
SecDF	–	–	–	–	–	–	–	+ <sup>(21,22)</sup>	–	+ <sup>(26)</sup>
YidC	+ <sup>(23,24)</sup>	+ <sup>(23)</sup>	+ <sup>(24)</sup>	+ <sup>(24)</sup>	–	–	–	+ <sup>(25)</sup>	+ <sup>(26)</sup>	+ <sup>(23,27)</sup>