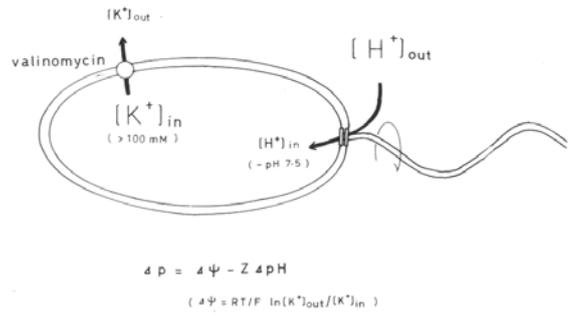
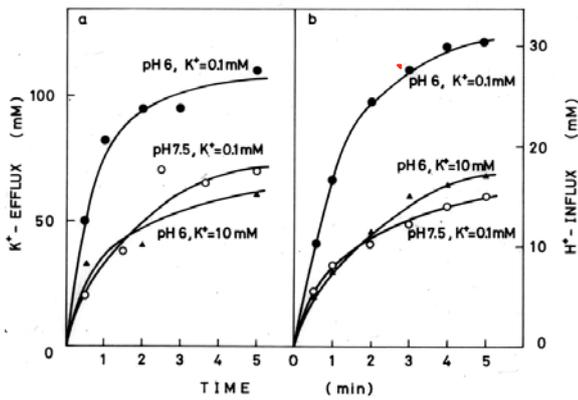




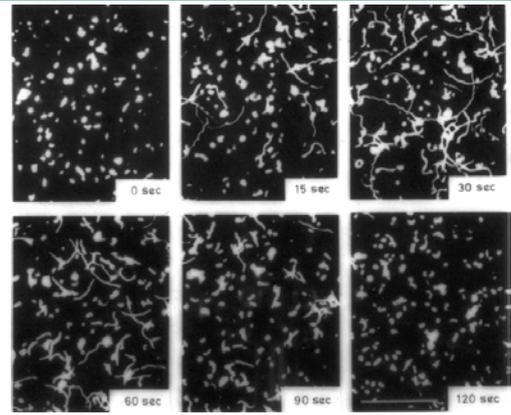
プロトン駆動力と運動



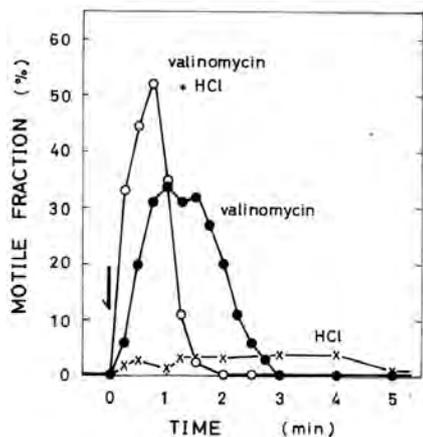
外液条件によるK⁺とH⁺の流入出



人工プロトン駆動力による枯草菌の運動を観察



拡散電位によるべん毛運動



バクテリア100μm走

The Microbial Olympics (in Oxford)

Japan	1 <i>E. coli</i> chimera	2位	銀
USA	2 <i>E. coli</i>	6位	
Japan	3 <i>V. alginolyticus</i> (puller)	3位	銅
Japan	4 <i>V. alginolyticus</i> (pusher)	4位	
Australia	5 <i>P. aeruginosa</i>	3位	銅
USA	6 <i>R. sphaeroides</i>	1位	金
USA	7 <i>R. rubrum</i>	7位	
Belgium	8 <i>Y. enterocolitica</i>	5位	

(Merry Youle et al., 2012)

ケイ光融合蛋白質の局在

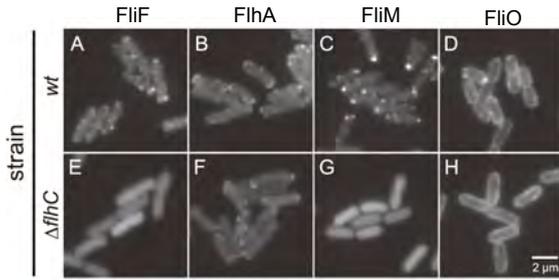
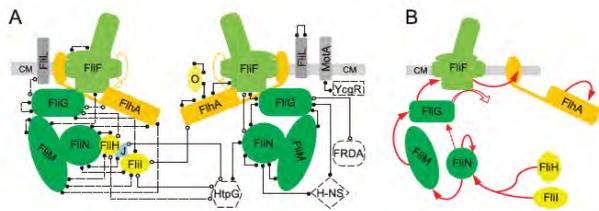


Table 2. Localization of selected fusion proteins in wild-type and knockout strains.*

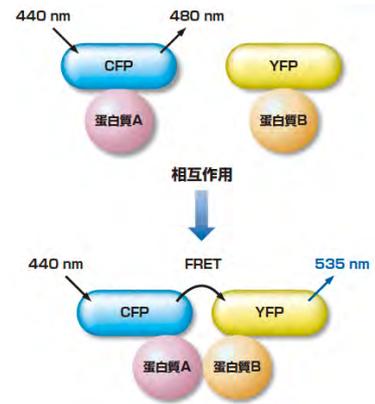
Strain	Fusion						
	FliA-YFP	FliF-YFP	YFP-FliG	YFP-FliM	YFP-FliN	YFP-FliH	FliI-YFP
Wild type	+++	+++	+++	+++	+++	+++	+++
ΔflhC	+++	+	-(C)	-(C)	-(C)	-(C)	-(C)
ΔflhA	+++	++	++	++	++	++	++
ΔflhE	+++	+++	-(C)	-(A)	-(A)	-(C)	-(C)
ΔflhM	+++	++	++	+++	-(C)	-(C)	-(C)
ΔflhM ΔflhN	+++	++	++	++	-(C)	-(C)	-(C)
ΔflhM ΔflhG	+++	++	++	-(A)	-(C)	-(C)	-(C)
ΔflhN	+++	++	++	++	++	-(A)	-(C)
ΔflhI	+++	++	++	++	++	-(C)	+++

* Localization patterns were classified as follows:
 +++, motor-like localization, with several discrete foci (up to 10) distributed more or less evenly along the cell periphery (see Fig. 1).
 ++, suboptimal motor-like localization with fewer and less intense foci.
 +, poor localization, with cell-free and very weak foci.
 -(C), uniform cytoplasmic localization, and
 -(A), cytoplasmic localization along with larger aggregates.
 Representative images for each localization pattern are shown in Fig. S6.

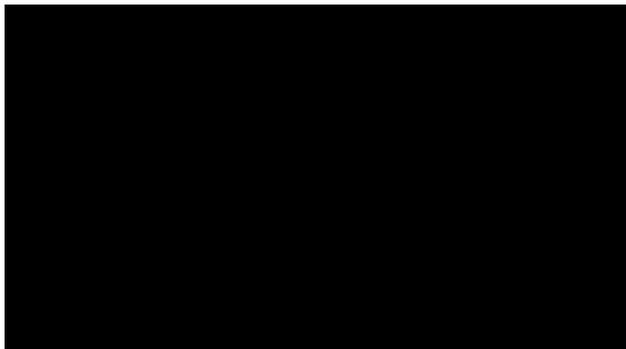
べん毛蛋白質相互作用のモデル図



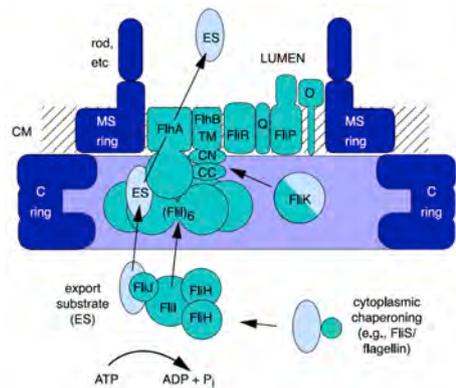
FRET



べん毛特異的分泌装置



べん毛分泌装置のモデル図



種々の細菌の侵襲機構

