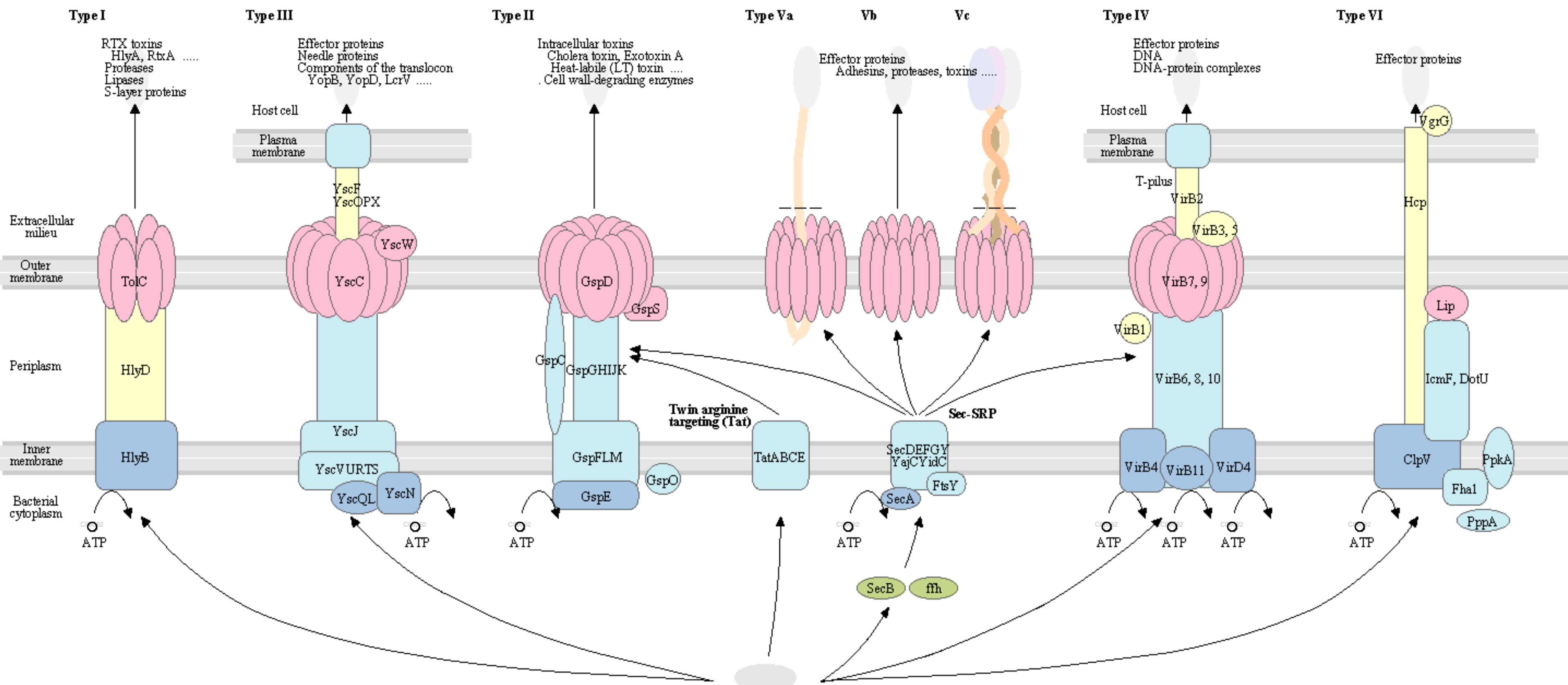


BACTERIAL SECRETION SYSTEM



Type I

Outer membrane protein (OMP)	K12340
Membrane fusion protein	K11003
ABC transporter	K11004

Inner membrane protein (IMP)
ATPase
ATPase-associated protein

Type III

Needle	K03221	K04056	K04057	K04059
Secretin	K03219			
OMP	K04058			
IMP	K03222	K03226	K03227	
	K03228	K03229	K03230	
ATPase	K03224			
ATPase-associated protein	K03225	K03223		

Type II

Secretin	K02453		
OMP	K02465		
IMP	K02452	K02455	K02456
	K02457	K02458	K02459
	K02460	K02461	K02462
ATPase	K02454		
Leaderpeptidase	K02464		

Sec-SRP

IMP	secD...	secE	secG
	secY	K03210	yidC
ATPase	secA		
Secretion monitor	K13301		
SRP receptor	ftsY		
Targeting protein	K03071	ffh	

Type Va, Vb, Vc

OMP	K11028	K11017	K12341
		K11016	K12342

Twin arginine targeting (Tat)

IMP	P9301_03761	K03117	tatC	K03425
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Type IV

Periplasmic protein	K03194		
Surface/pilus protein	K03197	K03198	K03200
OMP	K03202	K03204	
IMP	K03201	K03203	K03195
ATPase	K03199	K03196	K03205

Type VI

Secreted substrate	K11904		
	K11903		
OMP	K11906		
IMP	K11891	K11892	
ATPase	K11907		
Regulatory protein	K11912	K11913	K11915