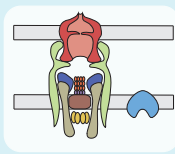
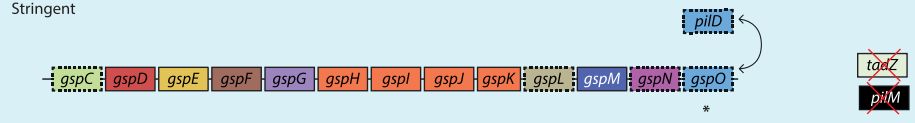
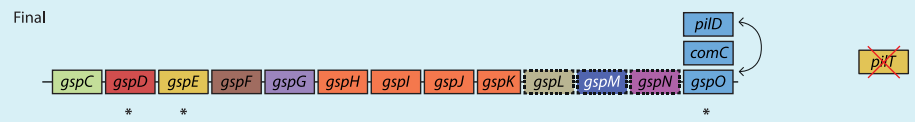
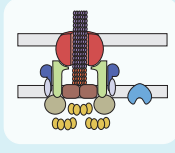
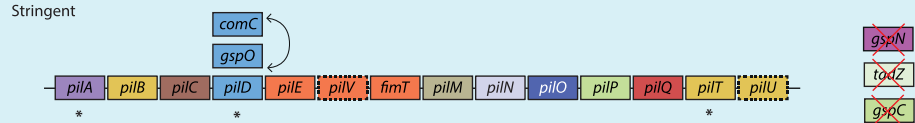
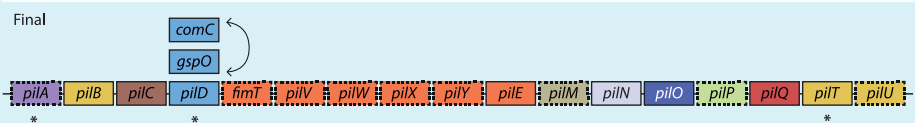
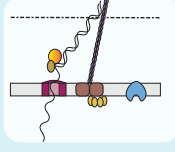

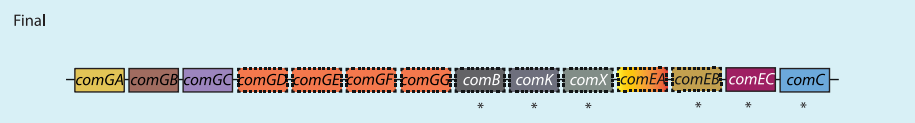
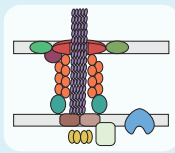

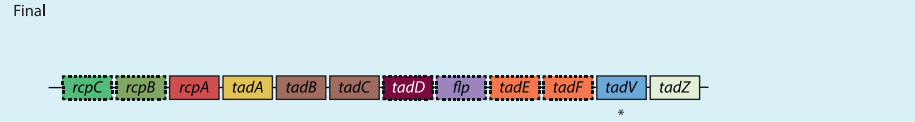
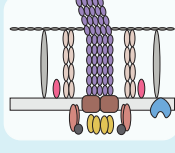
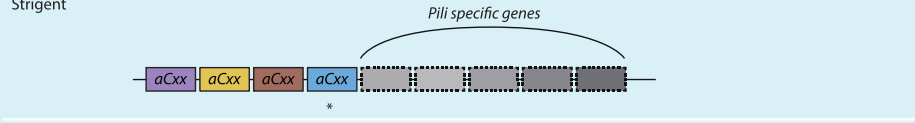
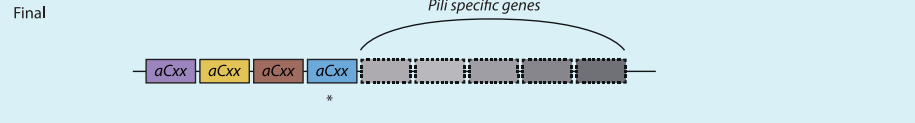
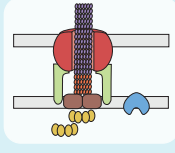
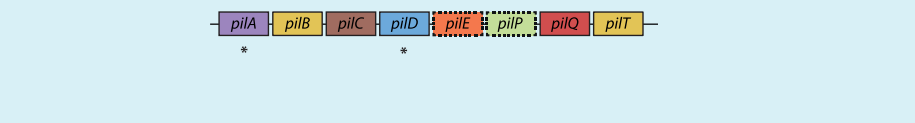
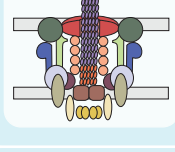
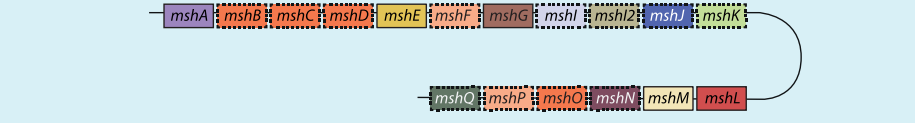
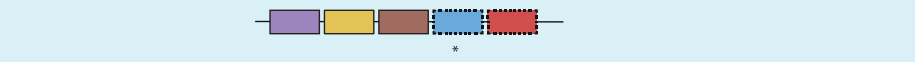


Representation	Genetic description	Rules
 <p>Type II secretion system</p>	<p>Stringent</p> 	$d \leq 5$ MGR = 8 MMGR = 6 multi_loci
	<p>Final</p> 	$d \leq 5$ MGR = 6 MMGR = 4 multi_loci
 <p>Type IV a pilus</p>	<p>Stringent</p> 	$d \leq 5$ MGR = 8 MMGR = 8 multi_loci
	<p>Final</p> 	$d \leq 5$ MGR = 5 MMGR = 4 multi_loci
 <p>Competence apparatus (monoderm)</p>	<p>Stringent</p> 	$d \leq 5$ MGR = 5 MMGR = 3 multi_loci
	<p>Final</p> 	$d \leq 5$ MGR = 4 MMGR = 4 multi_loci
 <p>Tight adherence pilus</p>	<p>Stringent</p> 	$d \leq 5$ MGR = 6 MMGR = 4
	<p>Final</p> 	$d \leq 5$ MGR = 6 MMGR = 4 multi_loci
 <p>Archaeal type IV related pilus</p>	<p>Stringent</p> 	$d \leq 5$ MGR = 4 MMGR = 4
	<p>Final</p> 	$d \leq 5$ MGR = 3 MMGR = 3
 <p>Type IV b pilus</p>	<p>Final</p> 	$d \leq 5$ MGR = 4 MMGR = 4
 <p>MSH pilus</p>	<p>Final</p> 	$d \leq 5$ MGR = 4 MMGR = 3
<p>Generic</p> 	$d \leq 5$ MGR = 3 MMGR = 3	

  mandatory gene   
  accessory gene   
X forbidden gene   
\* loner   
  exchangeable genes   
MGR minimum genes required   
MMGR minimum mandatory genes required   
d distance between genes