

External bacterial structures consisting of a shaft with adhesive tips that enables bacteria to bacteria to colonize environmental surfaces or cells and resist flushing are called:

1. flagella
2. adhesins
3. pili
4. biofilms

A bacterial sex pilus is involved in bacterial:

1. attachment to host cells so as to resist flushing.
2. conjugation
3. transformation
4. mutation

Short, numerous attachment pili are also known as:

1. fimbriae
2. F+ pili
3. cilia