

Quantitative adherence assays of UPEC-46 and derivate strains in HeLa cells expressed in CFU/mL

| Repetitions | UPEC-46 | UPEC-46:: <i>afpA</i> | UPEC-46:: <i>afpA</i> :: <i>fimH</i> |
|-------------|----------|-----------------------|--------------------------------------|
| A(1) | 6000000 | 1000000 | 430000 |
| A(2) | 8000000 | 1000000 | 200000 |
| B(1) | 15000000 | 1700000 | 100000 |
| B(2) | 10000000 | 1300000 | 100000 |
| C(1) | 12000000 | 500000 | 1000000 |
| C(2) | 10000000 | 830000 | 1000000 |

Note: 3 h of incubation, without D-mannose. The assays were performed in duplicate and repeated three times

Quantitative adherence assays of UPEC-46 and derivate strains in HeLa cells expressed in Log₁₀ CFU/mL

| Repetitions | UPEC-46 | UPEC-46:: <i>afpA</i> | UPEC-46:: <i>afpA</i> :: <i>fimH</i> |
|-------------|---------|-----------------------|--------------------------------------|
| A(1) | 6.778 | 6 | 5.633 |
| A(2) | 6.903 | 6 | 5.301 |
| B(1) | 7.176 | 6.23 | 5 |
| B(2) | 7 | 6.114 | 5 |
| C(1) | 7.079 | 5.699 | 6 |
| C(2) | 7 | 5.919 | 6 |

Note: 3 h of incubation, without D-mannose. The assays were performed in duplicate and repeated three times

Quantitative adherence assays of UPEC-46 and derivate strains in HT-29 cells expressed in CFU/mL

| Repetitions | UPEC-46 | UPEC-46:: <i>afpA</i> | UPEC-46:: <i>afpA</i> :: <i>fimH</i> |
|-------------|-----------|-----------------------|--------------------------------------|
| A(1) | 97000000 | 8300000 | 470000 |
| A(2) | 80000000 | 7000000 | 800000 |
| B(1) | 63000000 | 6300000 | 370000 |
| B(2) | 100000000 | 3000000 | 100000 |
| C(1) | 130000000 | 7700000 | 700000 |
| C(2) | 40000000 | 33000000 | 1000000 |

Note: 3 h of incubation, without D-mannose. The assays were performed in duplicate and repeated three times

Quantitative adherence assays of UPEC-46 and derivate strains in HT-29 cells expressed in Log₁₀ CFU/mL

| Repetitions | UPEC-46 | UPEC-46:: <i>afpA</i> | UPEC-46:: <i>afpA</i> :: <i>fimH</i> |
|-------------|---------|-----------------------|--------------------------------------|
| A(1) | 7.987 | 6.919 | 5.672 |
| A(2) | 7.903 | 6.845 | 5.903 |
| B(1) | 7.799 | 6.799 | 5.568 |
| B(2) | 8 | 6.477 | 5 |
| C(1) | 8.114 | 6.886 | 5.845 |
| C(2) | 7.602 | 7.519 | 6 |

Note: 3 h of incubation, without D-mannose. The assays were performed in duplicate and repeated three times

Quantitative adherence assays of UPEC-46 and derivate strains in 5637 cells expressed in CFU/mL

| Repetitions | UPEC-46 | UPEC-46::<i>afpA</i> | UPEC-46::<i>afpA</i>::<i>fimH</i> |
|--------------------|----------------|-----------------------------|--|
| A(1) | 100000000 | 900000 | 97000 |
| A(2) | 100000000 | 1300000 | 100000 |
| B(1) | 100000000 | 1000000 | 90000 |
| B(2) | 100000000 | 1700000 | 83000 |
| C(1) | 200000000 | 830000 | 200000 |
| C(2) | 330000000 | 700000 | 130000 |

Note: 3 h of incubation, without D-mannose. The assays were performed in duplicate and repeated three times

Quantitative adherence assays of UPEC-46 and derivate strains in 5637 cells expressed in Log₁₀ CFU/mL

| Repetitions | UPEC-46 | UPEC-46::<i>afpA</i> | UPEC-46::<i>afpA</i>::<i>fimH</i> |
|--------------------|----------------|-----------------------------|--|
| A(1) | 8 | 5.954 | 4.987 |
| A(2) | 8 | 6.114 | 5 |
| B(1) | 7 | 6 | 4.954 |
| B(2) | 7 | 6.23 | 4.919 |
| C(1) | 7.301 | 5.919 | 5.301 |
| C(2) | 7.519 | 5.845 | 5.114 |

Note: 3 h of incubation, without D-mannose. The assays were performed in duplicate and repeated three times