

Table S1. Serotype, adherence pattern on HEp-2 cells (6-h assays) and biofilm formation (OD_{595nm} values) of aEPEC strains and controls

| Biofilm formers strains* | | | | Non-biofilm formers strains | | | |
|--------------------------|----------------|-------------------|--|-----------------------------|----------------|-------------------|--|
| <i>E. coli</i> strain | Serotype | Adherence pattern | Biofilm formation (OD _{595nm}) | <i>E. coli</i> strain | Serotype | Adherence pattern | Biofilm formation (OD _{595nm}) |
| <i>042</i> | O44:H18 | AA | 1.262 | <i>DH5α</i> | | NA | 0.017 |
| <i>E2348/69</i> | O127:H6 | LA | 0.029 | BA589 | O5:H2 | NA | 0.014 |
| BA4047 | O1:H16 | LAL | 0.068 | BA2294 | O9:H33 | NA | 0.003 |
| BA92 | O2:H16 | AA | 0.093 | BA179 | O23:H16 | NA | 0.026 |
| BA4095 | O4:H45 | LAL | 0.039 | LB4 | O26:H11 | LAL | 0.026 |
| <i>BA558</i> | O11:H40 | LA | 0.070 | BA356 | O33:H7 | NA | 0.026 |
| BA4058 | O20:H- | NA | 0.035 | BA 2991 | O34:H- | NA | 0.017 |
| BA2103 | O26:H11 | LAL | 0.072 | BA 2923 | O34:H6 | NA | 0.028 |
| LB5 | O26:H11 | LAL | 0.067 | BA 1324 | O34:H45 | LAL | 0.022 |
| LB25 | O26:H11 | LAL | 0.667 | BA 442 | O35:H19 | NA | 0.020 |
| <i>BA2459</i> | O26:H11 | UND | 0.208 | BA 3148 | O35:H19 | NA | 0.014 |

| | | | |
|-------------|----------------|-----|-------|
| BA 462 | O51:H40 | IND | 0.046 |
| BA 1768 | O51:H40 | UND | 0.044 |
| <i>LB10</i> | O55:H7 | LAL | 0.843 |
| BA320 | O55:H7 | LAL | 0.032 |
| BA1244 | O55:H7 | LAL | 0.046 |
| BA4147 | O55:H7 | LAL | 0.068 |
| LB17 | O55:H7 | LAL | 0.072 |
| BA4077 | O64:H23 | LAL | 0.081 |
| BA86 | O76:H19 | NA | 0.056 |
| LB1 | O86:H34 | DA | 0.053 |
| BA655 | O88:H25 | NA | 0.041 |
| BA852 | O88:H25 | NA | 0.086 |
| BA3378 | O104:H2 | LAL | 0.153 |
| BA2145 | O105:H7 | AA | 0.210 |
| BA4135 | O108:H25 | NA | 0.061 |
| BA714 | O111:H- | LAL | 0.040 |
| LB13 | O111:H9 | AA | 0.062 |

| | | | |
|---------|----------------|-----|-------|
| BA 2964 | O51:H40 | UND | 0.012 |
| BA 4132 | O51:H48 | LAL | 0.012 |
| BA487 | O55:H7 | LAL | 0.023 |
| LB8 | O55:H7 | LAL | 0.006 |
| BA1738 | O80:H26 | NA | 0.026 |
| LB2 | O86:H34 | DA | 0.022 |
| BA4013 | O88:H- | NA | 0.016 |
| BA2975 | O88:H25 | NA | 0.019 |
| BA3443 | O88:H25 | NA | 0.015 |
| BA2613 | O101:H33 | NA | 0.025 |
| BA3160 | O110:H- | NA | 0.024 |
| LB72 | O111:H8 | LAL | 0.002 |
| LB40 | O111:H9 | AA | 0.023 |
| BA2775 | O113:H19 | NA | 0.007 |
| LB16 | O119:H2 | LAL | 0.018 |
| LB20 | O119:H2 | AA | 0.025 |
| BA580 | O119:H2 | NA | 0.009 |

| | | | |
|--------|-----------------|-----|-------|
| BA956 | O111:H15 | NA | 0.035 |
| BA4192 | O111:H25 | UND | 0.088 |
| BA1649 | O111:H38 | LAL | 0.041 |
| BA1887 | O111:H38 | UND | 0.054 |
| BA3690 | O111:H38 | AA | 0.055 |
| BA4009 | O114:H25 | DA | 0.055 |
| BA1444 | O115:H8 | UND | 0.161 |
| LB15 | O119:H2 | LAL | 0.278 |
| BA2482 | O119:H11 | AA | 0.134 |
| BA3733 | O119:H19 | LAL | 0.047 |
| BA3392 | O124:H11 | NA | 0.088 |
| LB2 | O125:H6 | AA | 0.036 |
| BA4182 | O125:H6 | UND | 0.045 |
| LB2 | O128:H2 | AA | 0.254 |
| LB3 | O128:H2 | UND | 0.038 |
| BA1652 | O131:H4 | LAL | 0.061 |
| BA3170 | O145:H2 | UND | 0.074 |

| | | | |
|--------|----------------|-----|-------|
| BA3157 | O119:H2 | LAL | 0.010 |
| LB1 | O125:H6 | AA | 0.013 |
| LB11 | O125:H6 | AA | 0.009 |
| BA2297 | O153:H11 | DA | 0.018 |
| BA151 | ONT:H9 | NA | 0.009 |
| BA2853 | ONT:H10 | LAL | 0.011 |
| BA3836 | ONT:H19 | NA | 0.028 |
| BA3851 | ONT:H38 | LAL | 0.010 |
| BA3977 | ONT:H45 | LAL | 0.006 |

| | | | |
|---------------|----------|-----|-------|
| BA585 | O157:H16 | AA | 0.034 |
| BA2062 | O171:H48 | UND | 0.170 |
| <i>BA2073</i> | ONT:H5 | DA | 0.071 |
| BA2065 | ONT:H5 | NA | 0.055 |
| BA2117 | ONT:H5 | NA | 0.058 |
| BA1250 | ONT:H6 | LAL | 0.101 |
| BA2034 | ONT:H10 | LAL | 0.046 |
| <i>BA2468</i> | ONT:H19 | NA | 0.290 |
| BA365 | ONT:H19 | NA | 0.029 |
| BA3800 | ONT:H19 | NA | 0.029 |
| <i>BA4157</i> | ONT:H25 | AA | 1.449 |
| BA3574 | ONT:H38 | LAL | 0.035 |

ONT, O non-typable; LAL, localized-like adherence; NA, non-adherent; AA, aggregative adherence; UND, undetermined adherence; DA, diffuse adherence; LA, localized adherence. O42, EAEC prototype strain; E2348/69, typical EPEC prototype strains; *DH5a*, K12 *E. coli*; Serotypes and adherence pattern on HEp-2 cells were previously determined [5, 22].

Strains in italic font were analyzed by CFU counting and CLSM. Serotypes in bold font belong to the classical EPEC O serogroups.

* Strains considered biofilm formers (OD_{595} readings exceeding the mean plus three standard deviations of the low-biofilm forming control, i.e., ± 0.0285) [29].