**Table S5.** Promoter activity of *degP* transcriptional fusions in *C. rodentium* host strains *phoB*, ICC169 and *pstCA*cultured in high and low phosphate media, showing the effects of PhoB on levels of expression.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Transcriptional fusion | Culture medium | | | | | |
| MOPS with high Pi | | | MOPS with low Pi | | |
| ∆*phoBkan*a (PhoB−) | ICC169 (PhoB+) | ∆*pstCA* (PhoB+) | ∆*phoBkan* (PhoB−) | ICC169 (PhoB+) | ∆*pstCA* (PhoB+) |
| *degP-lacZ* | 110 b | 104 (0.95) | 214 (1.95) | 118 | 210 (1.78) | 224 (1.90) |

a Characteristics of test strains, all of which were derived from the *C. rodentium* ICC169 wild type

b Specific activity of β-galactosidase (Miller units). Data are the mean of three independent assays in which samples were tested in duplicate, and the standard deviations were less than 15%. The numbers in parentheses indicate the fold activation, which is the ratio of the specific activity of β-galactosidase of the PhoB+ strain to the specific activity of β-galactosidase of the corresponding PhoB− strain.