Additional file 1. Clustered regularly interspaced short palindromic repeats (CRISPRs) in *X. citri* subsp. *citri* str. Aw12879 genome predicted using CRISPRfinder.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| CRISPR | CRISPR start position | CRISPR end position | CRISPR length | Direct Repeat consensus (length) | Number of Spacers |
| Xcaw | 1 | 27400 | 27698 | 298 | TGGAAACGGTCAATGGCAGCATC (23) | 5 |
| 2 | 5157634 | 5158851 | 1217 | GTCGCGCCCTCACGGGCGCGTGGATTGAAAC (31) | 18 |
| 3 | 5155349 | 5155579 | 230 | GGTCGCGCCCTCACGGGCGCGTGGATTGAAAC (32) | 3 |
| XccA | 1 | 27399 | 27697 | 298 | TGGAAACGGTCAATGGCAGCATC (23) | 5 |
| 2 | 4522475 | 4523694 | 1219 | GTCGCGCCCTCACGGGCGCGTGGATTGAAAC (31) | 18 |