

## Additional file 2.

Table 1. List of phages used in the reproducibility study

| Phage name           | Propagated on the strain                     | Conditions            |
|----------------------|----------------------------------------------|-----------------------|
| Øc2 <sup>a</sup>     | <i>Lc.lactis</i> ssp <i>cremoris</i> Mg1363  | DNA1and DNA 2 at 30°C |
| Øc2                  | <i>Lc.lactis</i> ssp <i>cremoris</i> Mg1363  | DNA1 at 37°C          |
| Øc2                  | <i>Lc.lactis</i> ssp <i>cremoris</i> C2      | DNA1 and DNA2 at 30°C |
| Øc2                  | <i>Lc.lactis</i> ssp <i>cremoris</i> C2      | DNA1 and DNA2 at 37°C |
| Øsk1                 | <i>Lc.lactis</i> ssp <i>cremoris</i> Mg1363  | DNA1 and DNA2 at 30°C |
| Øsk1                 | <i>Lc.lactis</i> ssp <i>cremoris</i> Mg1363  | DNA2 at 37°C          |
| Øsk1 <sup>b</sup>    | <i>Lc.lactis</i> ssp <i>cremoris</i> LMO230  | DNA1 and DNA2 at 30°C |
| ØP087                | <i>Lc.lactis</i> ssp <i>lactis</i> ML8       | DNA2 at 30°C          |
| ØP087 <sup>c</sup>   | <i>Lc.lactis</i> ssp <i>lactis</i> C10       | DNA2 at 30°C          |
| Øc6A <sup>a</sup>    | <i>Lc.lactis</i> ssp <i>lactis</i> C6        | DNA1 and DNA2 at 30°C |
| Øc6A                 | <i>Lc.lactis</i> ssp <i>lactis</i> C10       | DNA1 and DNA2 at 30°C |
| Ø712                 | <i>Lc.lactis</i> ssp <i>cremoris</i> C2      | DNA1 at 30°C          |
| Ø712                 | <i>Lc.lactis</i> ssp <i>cremoris</i> C2      | DNA1 at 37°C          |
| Ø712 <sup>b</sup>    | <i>Lc.lactis</i> ssp <i>cremoris</i> NCDO712 | DNA2 at 30°C          |
| Ø712                 | <i>Lc.lactis</i> ssp <i>cremoris</i> NCDO712 | DNA2 at 37°C          |
| ØbIL67 <sup>a</sup>  | <i>Lc.lactis</i> ssp <i>lactis</i> IL1407    | DNA1 and DNA2 at 30°C |
| ØT4 <sup>d</sup>     | -                                            | lysate                |
| ØX174 <sup>e</sup>   | -                                            | DNA                   |
| ØLambda <sup>e</sup> | -                                            | DNA                   |
| Ø301 <sup>f</sup>    | <i>Lc.lactis</i> ssp <i>lactis</i> Ni301     | DNA1 and DNA2 at 30°C |

DNA1 refers to the phage DNA isolated by the phenol/chloroform protocol

DNA 2 refers to the phage DNA isolated using the QIAamp DNA Blood Mini Kit (Qiagen)

a – Øc2 (host MG1363), ØbIL67(host IL1407), Øc6A(host C6) were provided by Dr Jasna Rakonjac, Massey University, New Zealand.

b- Øsk1(host LMO230) and Ø712(host UK712) were sourced from our internal UNSW culture collection.

c- ØP087 was purchased from the Félix d'Hérelle Reference Center for bacterial viruses of the Université Laval, Canada.

d- *E. coli* T4 phage lysate was obtained from Dr Nicola Petty, The iThree institute, University of Technology, Sydney.

e- PhiX174 RF1 DNA (0.5 µg/µl) and Lambda phage DNA (0.3 µg/µl) were purchased from Thermo Fisher Scientific, Australia.

f- Ø301(host Ni301) was isolated in the course of this study and was sequenced in the Ramaciotti Centre for Genomics, UNSW, Sydney.