Supplemental Table S4: Significant differences (p<0.05; p-values listed in parentheses) in phage host range phenotypes between tested strains’ CCs based on Tukey HSD/one-way ANOVA tests.

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| Phage | Significant comparisons |
| p0045 | CC30 vs. CC8 (3.25e-3) |
| p0006 | CC45 (1.91e-3) and 72 (6.07e-3) vs. CC1; CC45 (1.95e-3) and 72 (0.0141) vs. CC5; CC45 (4.90e-4) and CC72 (5.05e-3) vs. CC8; CC45 vs. CC30 (0.0193) |
| p0017 | CC1 (9.54e-5), 5 (2.03e-4), 30 (0.0170), and 72 (0.0140) vs. CC8 |
| p0017S | CC1 (0.0155) and 97 (0.0416) vs. CC80 |
| p002y | CC22 (0.0280), 45 (3.21e-5), and 80 (0.0177) vs. CC1; CC22 (0.0457), 45 (4.72e-6), and 80 (0.0365) vs. CC5; CC8 (2.18e-4), 30 (1.28e-3), and 97 (8.88e-3) vs. CC45 |
| p003p | CC22 (0.0142), 45 (4.20e-5), 80 (9.05e-5), 88 (0.0369), and 398 (4.91e-3) vs. CC1; CC22 (0.0227), 45 (7.53e-6), 80 (2.08e-4), and 398 (0.0112) vs. CC5; CC45 (5.12e-4), 80 (7.25e-4), and 398 (0.0431) vs. CC8; CC10 (8.55e-3), 12 (0.0148), 15 (3.39e-3), 25 (0.0483), 30 (1.01e-3), 59 (0.0106), 97 (5.43e-4), and 121 (7.92e-3) vs. CC80; CC30 (2.48e-3) and 97 (0.0102) vs. CC45; CC398 (0.0343) vs. CC97 |
| p0040 | CC5 (5.83e-5), 30 (1.95e-6), and 121 (9.04e-5) vs. CC8 |
| pyo | CC45 (2.96e-3), 80 (3.86e-3), 88 (8.90e-3), 121 (8.94e-3), and 398 (0.0167) vs. CC1; CC30 (0.0138), 45 (3.10e-5), 80 (2.47e-3), 88 (6.01e-3), 121 (3.54e-5), and 398 (7.79e-3) vs. CC5; CC45 (1.19e-3), 80 (6.58e-3), 88 (0.0150), 121 (2.58e-3), and 398 (0.0275) vs. CC8; CC22 (0.0482) and 30 (0.0492) vs. CC80 |