

**Table S2.** Growth characteristics of 14 different *Mycoplasma* spp.: *Mycoplasma bovis* (n = 12), *Mycoplasma bovirhinis* (n = 1), and *Mycoplasma bovisgenitalium* (n = 1). Each strain was used to separately infect Madin-Darby Bovine Kidney (MDBK) cells for 6 or 54 h. Following infection, the cells were lysed and the lysates incubated and monitored for the presence of mycoplasma growth for up to 7 days. All infections were performed in triplicate.

|                           |                  | MDBK cell infection<br>Trial 1 |       |       |       |       |       |       | MDBK cell infection<br>Trial 2 |       |       |       |       |       |       | MDBK cell infection<br>Trial 3 |       |       |       |       |       |       |       |   |
|---------------------------|------------------|--------------------------------|-------|-------|-------|-------|-------|-------|--------------------------------|-------|-------|-------|-------|-------|-------|--------------------------------|-------|-------|-------|-------|-------|-------|-------|---|
| Bovine mycoplasma strains |                  | Incubation<br>time             | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 | Day 7                          | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 | Day 7                          | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 | Day 7 |   |
| <i>M. bovis</i>           | ATCC 25233       | 6 h                            | -     | -     | ±     | +     | +     | +     | +                              | -     | ±     | ±     | +     | +     | +     | +                              | -     | -     | ±     | +     | +     | +     | +     |   |
|                           |                  | 54 h                           | -     | +     | +     | +     | +     | +     | +                              | -     | ±     | +     | +     | +     | +     | +                              | +     | -     | ±     | +     | +     | +     | +     | + |
|                           | OK1 (mKO2)       | 6 h                            | -     | -     | ±     | +     | +     | +     | +                              | -     | ±     | +     | +     | +     | +     | +                              | +     | -     | -     | +     | +     | +     | +     | + |
|                           |                  | 54 h                           | ±     | +     | +     | +     | +     | +     | +                              | -     | +     | +     | +     | +     | +     | +                              | +     | -     | +     | +     | +     | +     | +     | + |
|                           | ON8 (mNeonGreen) | 6 h                            | -     | -     | ±     | +     | +     | +     | +                              | -     | -     | ±     | +     | +     | +     | +                              | +     | -     | -     | ±     | ±     | +     | +     | + |
|                           |                  | 54 h                           | -     | +     | +     | +     | +     | +     | +                              | -     | ±     | ±     | +     | +     | +     | +                              | +     | -     | +     | +     | +     | +     | +     | + |
|                           | OC7 (mCherry)    | 6 h                            | -     | ±     | ±     | +     | +     | +     | +                              | -     | -     | -     | +     | +     | +     | +                              | +     | -     | -     | ±     | ±     | +     | +     | + |
|                           |                  | 54 h                           | -     | +     | +     | +     | +     | +     | +                              | -     | -     | ±     | +     | +     | +     | +                              | +     | -     | +     | +     | +     | +     | +     | + |
|                           | MPLM0670         | 6 h                            | -     | -     | -     | +     | +     | +     | +                              | -     | -     | -     | +     | +     | +     | +                              | +     | -     | -     | ±     | ±     | +     | +     | + |
|                           |                  | 54 h                           | -     | ±     | +     | +     | +     | +     | +                              | -     | -     | ±     | +     | +     | +     | +                              | +     | -     | +     | +     | +     | +     | +     | + |
|                           | MPLM0700         | 6 h                            | -     | -     | -     | +     | +     | +     | +                              | -     | -     | -     | +     | +     | +     | +                              | +     | -     | -     | ±     | +     | +     | +     | + |
|                           |                  | 54 h                           | -     | ±     | +     | +     | +     | +     | +                              | -     | -     | ±     | +     | +     | +     | +                              | +     | -     | +     | +     | +     | +     | +     | + |
|                           | MPLM0084         | 6 h                            | -     | -     | -     | +     | +     | +     | +                              | -     | ±     | +     | +     | +     | +     | +                              | +     | -     | -     | ±     | +     | +     | +     | + |
|                           |                  | 54 h                           | -     | +     | +     | +     | +     | +     | +                              | -     | +     | +     | +     | +     | +     | +                              | +     | -     | +     | +     | +     | +     | +     | + |
|                           | MPLM0093         | 6 h                            | -     | -     | -     | +     | +     | +     | +                              | -     | -     | ±     | +     | +     | +     | +                              | +     | -     | -     | ±     | +     | +     | +     | + |
|                           |                  | 54 h                           | -     | +     | +     | +     | +     | +     | +                              | -     | +     | +     | +     | +     | +     | +                              | +     | -     | +     | +     | +     | +     | +     | + |
|                           | MPLM1082         | 6 h                            | -     | -     | ±     | +     | +     | +     | +                              | -     | ±     | +     | +     | +     | +     | +                              | +     | -     | -     | +     | +     | +     | +     | + |
|                           |                  | 54 h                           | -     | +     | +     | +     | +     | +     | +                              | -     | +     | +     | +     | +     | +     | +                              | +     | -     | ±     | +     | +     | +     | +     | + |
|                           | MPLM1083         | 6 h                            | -     | -     | ±     | +     | +     | +     | +                              | -     | ±     | +     | +     | +     | +     | +                              | +     | -     | -     | +     | +     | +     | +     | + |
|                           |                  | 54 h                           | -     | +     | +     | +     | +     | +     | +                              | -     | ±     | ±     | +     | +     | +     | +                              | +     | -     | +     | +     | +     | +     | +     | + |
|                           | MPLM1084         | 6 h                            | -     | -     | ±     | +     | +     | +     | +                              | -     | +     | +     | +     | +     | +     | +                              | +     | -     | -     | +     | +     | +     | +     | + |
|                           |                  | 54 h                           | -     | +     | +     | +     | +     | +     | +                              | -     | ±     | ±     | ±     | +     | +     | +                              | +     | -     | ±     | +     | +     | +     | +     | + |
|                           | MPLM1048         | 6 h                            | -     | -     | ±     | +     | +     | +     | +                              | -     | -     | ±     | +     | +     | +     | +                              | +     | -     | -     | ±     | +     | +     | +     | + |
|                           |                  | 54 h                           | -     | +     | +     | +     | +     | +     | +                              | -     | ±     | +     | +     | +     | +     | +                              | +     | -     | +     | +     | +     | +     | +     | + |
| <i>M. bovirhinis</i>      | MP 212-A NTC 3   | 6 h                            | -     | -     | ±     | +     | +     | +     | +                              | -     | -     | -     | ±     | +     | +     | +                              | -     | -     | ±     | ±     | +     | +     | +     |   |
|                           |                  | 54 h                           | -     | +     | +     | +     | +     | +     | +                              | -     | -     | +     | +     | +     | +     | +                              | +     | -     | -     | +     | +     | +     | +     |   |
| <i>M. bovisgenitalium</i> | ATCC 19852       | 6 h                            | -     | -     | -     | +     | +     | +     | +                              | -     | -     | ±     | ±     | +     | +     | +                              | -     | -     | ±     | ±     | +     | +     | +     |   |
|                           |                  | 54 h                           | -     | ±     | +     | +     | +     | +     | +                              | -     | ±     | +     | +     | +     | +     | +                              | +     | -     | ±     | +     | +     | +     | +     |   |

(-) No growth

(±) Beginning of growth

(+) Obvious growth