

S4 Table. Summary table for mean (\pm SD) host abundances (Host ab.), individual host body mass (Host BM), total parasitism rate (PR), and parasitism rates of each parasitoid species (*Asobara* sp. and *Leptopilina* sp.) for each temperature (23 and 27°C), treatments (competition: intra or inter, parasitism: present or absent), and host species (*D. birchii*, *D. pseudoananassae*, *D. sulfurigaster*).

| Temp | Comp | Para | Host sp. | Host ab. | \pm SD | Host BM | \pm SD | PR | \pm SD | PR of <i>Asb.</i> | \pm SD | PR of <i>Lept.</i> | \pm SD |
|------|-------|------|-------------------|----------|----------|---------|----------|------|----------|-------------------|----------|--------------------|----------|
| 23°C | intra | no | <i>D. birchii</i> | 114 | 28 | 0.174 | 0.012 | - | - | - | - | - | - |
| | | | <i>D. pseud.</i> | 106 | 52 | 0.214 | 0.025 | - | - | - | - | - | - |
| | | | <i>D. sulfu.</i> | 32 | 4 | 0.651 | 0.092 | - | - | - | - | - | - |
| | | yes | <i>D. birchii</i> | 57 | 70 | 0.143 | 0.022 | 0.30 | 0.30 | 0.29 | 0.29 | 0.01 | 0.01 |
| | | | <i>D. pseud.</i> | 70 | 69 | 0.205 | 0.021 | 0.30 | 0.18 | 0.05 | 0.09 | 0.26 | 0.18 |
| | | | <i>D. sulfu.</i> | 20 | 9 | 0.579 | 0.106 | 0 | 0 | 0 | 0 | 0 | 0 |
| | inter | no | <i>D. birchii</i> | 109 | 49 | 0.190 | 0.061 | - | - | - | - | - | - |
| | | | <i>D. pseud.</i> | 119 | 68 | 0.237 | 0.023 | - | - | - | - | - | - |
| | | | <i>D. sulfu.</i> | 46 | 16 | 0.416 | 0.108 | - | - | - | - | - | - |
| | | yes | <i>D. birchii</i> | 45 | 14 | 0.139 | 0.034 | 0.31 | 0.14 | 0.17 | 0.12 | 0.14 | 0.12 |
| | | | <i>D. pseud.</i> | 65 | 64 | 0.232 | 0.010 | 0.26 | 0.19 | 0.04 | 0.04 | 0.22 | 0.17 |
| | | | <i>D. sulfu.</i> | 11 | 6 | 0.465 | 0.039 | 0.28 | 0.24 | 0.28 | 0.24 | 0.00 | 0.00 |
| 27°C | intra | no | <i>D. birchii</i> | 69 | 20 | 0.151 | 0.004 | - | - | - | - | - | - |
| | | | <i>D. pseud.</i> | 184 | 36 | 0.199 | 0.030 | - | - | - | - | - | - |
| | | | <i>D. sulfu.</i> | 37 | 28 | 0.612 | 0.029 | - | - | - | - | - | - |
| | | yes | <i>D. birchii</i> | 26 | 25 | 0.115 | 0.034 | 0.08 | 0.08 | 0.06 | 0.09 | 0.02 | 0.04 |
| | | | <i>D. pseud.</i> | 170 | 13 | 0.202 | 0.014 | 0.11 | 0.09 | 0.00 | 0.01 | 0.10 | 0.09 |
| | | | <i>D. sulfu.</i> | 31 | 31 | 0.517 | 0.067 | 0.28 | 0.36 | 0.28 | 0.36 | 0.00 | 0.00 |
| | inter | no | <i>D. birchii</i> | 74 | 25 | 0.173 | 0.023 | - | - | - | - | - | - |
| | | | <i>D. pseud.</i> | 261 | 48 | 0.213 | 0.032 | - | - | - | - | - | - |
| | | | <i>D. sulfu.</i> | 37 | 2 | 0.388 | 0.046 | - | - | - | - | - | - |
| | | yes | <i>D. birchii</i> | 27 | 11 | 0.161 | 0.022 | 0.25 | 0.14 | 0.16 | 0.10 | 0.08 | 0.06 |
| | | | <i>D. pseud.</i> | 130 | 33 | 0.229 | 0.031 | 0.16 | 0.10 | 0.02 | 0.02 | 0.14 | 0.10 |
| | | | <i>D. sulfu.</i> | 21 | 11 | 0.482 | 0.091 | 0.16 | 0.16 | 0.16 | 0.16 | 0.00 | 0.00 |