

Kozlov, M. V., Skoracka, A., Zverev, V., Lewandowski, M. and Zvereva, E. L. 2016. Two birch species demonstrate opposite latitudinal patterns in infestation by gall-making mites in Northern Europe.

**S1 Table.** Coordinates of the study sites and a list of mite species collected at each site.

| Study site <sup>a</sup> | Country | Coordinates |              | Species of gall mites<br>(identified from microscopic preparations) <sup>b</sup> |               |               |               |               |               |
|-------------------------|---------|-------------|--------------|----------------------------------------------------------------------------------|---------------|---------------|---------------|---------------|---------------|
|                         |         | Latitude, N | Longitude, E | <i>A.lon.</i>                                                                    | <i>A.rud.</i> | <i>A.fen.</i> | <i>A.lis.</i> | <i>A.vin.</i> | <i>E.lei.</i> |
| N60                     | Norway  | 59° 47' 34" | 10° 45' 35"  | +                                                                                | +             |               |               |               | +             |
| N61                     | Norway  | 61° 04' 40" | 11° 20' 46"  | +                                                                                |               |               |               |               |               |
| N62*                    | Norway  | 62° 04' 19" | 10° 42' 40"  |                                                                                  |               | +             |               |               | +             |
| N63                     | Norway  | 62° 59' 28" | 10° 15' 50"  |                                                                                  |               |               |               |               | +             |
| N64*                    | Norway  | 63° 54' 15" | 11° 26' 25"  | +                                                                                | +             | +             |               |               | +             |
| N65*                    | Norway  | 65° 04' 19" | 13° 18' 15"  | +                                                                                |               |               |               |               | +             |
| N66*                    | Norway  | 66° 02' 56" | 13° 36' 32"  | +                                                                                |               |               |               |               | +             |
| N67*                    | Norway  | 66° 59' 44" | 15° 20' 22"  |                                                                                  |               |               |               |               | +             |
| N68*                    | Norway  | 68° 02' 26" | 15° 58' 32"  |                                                                                  | +             |               |               |               |               |
| N69*                    | Norway  | 68° 59' 30" | 18° 30' 51"  |                                                                                  |               |               |               |               | +             |
| F61                     | Finland | 61° 00' 27" | 23° 30' 42"  |                                                                                  |               |               |               |               |               |
| F62                     | Finland | 62° 00' 06" | 25° 31' 30"  |                                                                                  |               |               |               |               |               |
| F63                     | Finland | 63° 03' 14" | 25° 49' 33"  |                                                                                  |               |               |               |               | +             |
| F64                     | Finland | 63° 53' 48" | 25° 47' 52"  |                                                                                  |               |               |               |               | +             |
| F65*                    | Finland | 64° 45' 47" | 25° 34' 09"  |                                                                                  |               |               |               |               |               |
| F66                     | Finland | 65° 58' 32" | 24° 39' 49"  |                                                                                  |               |               |               |               |               |
| F67                     | Finland | 66° 58' 49" | 26° 19' 32"  |                                                                                  |               |               |               |               |               |
| F68                     | Finland | 67° 58' 35" | 26° 50' 53"  |                                                                                  |               |               |               |               |               |
| F69                     | Finland | 69° 00' 41" | 27° 00' 39"  |                                                                                  |               |               |               |               |               |
| F70*                    | Norway  | 70° 04' 41" | 27° 59' 22"  |                                                                                  |               |               |               |               |               |
| R60                     | Russia  | 59° 58' 26" | 32° 11' 46"  |                                                                                  |               |               |               |               | +             |
| R61                     | Russia  | 61° 00' 03" | 33° 03' 41"  |                                                                                  |               |               |               |               | +             |
| R62                     | Russia  | 61° 58' 51" | 34° 14' 27"  |                                                                                  | +             |               |               |               | +             |
| R63                     | Russia  | 63° 00' 07" | 34° 22' 55"  |                                                                                  |               |               |               |               | +             |
| R64                     | Russia  | 64° 01' 44" | 34° 04' 11"  |                                                                                  |               |               |               |               | +             |

|        |        |             |             |   |   |   |   |   |   |
|--------|--------|-------------|-------------|---|---|---|---|---|---|
| R65    | Russia | 65° 01' 25" | 34° 00' 40" |   |   |   |   |   | + |
| R66    | Russia | 66° 01' 57" | 32° 59' 13" |   | + |   |   |   | + |
| R67    | Russia | 66° 56' 04" | 32° 12' 24" |   |   |   |   |   | + |
| R68    | Russia | 68° 01' 05" | 32° 57' 07" |   |   |   |   |   | + |
| R69*   | Russia | 68° 52' 34" | 33° 07' 42" |   |   |   |   |   |   |
| A58.7  | Russia | 58° 40' 55" | 40° 18' 35" |   | + |   |   |   | + |
| A59.5  | Russia | 59° 32' 17" | 40° 25' 20" |   |   |   |   |   | + |
| A60.5  | Russia | 60° 29' 04" | 41° 48' 50" |   |   |   | + | + | + |
| A61.1  | Russia | 61° 08' 22" | 42° 11' 40" | + |   |   |   |   |   |
| A61.9  | Russia | 61° 51' 49" | 42° 38' 01" | + | + |   | + | + | + |
| A62.7  | Russia | 62° 41' 52" | 42° 53' 35" | + |   |   |   |   |   |
| A63.5  | Russia | 63° 30' 59" | 41° 42' 55" | + | + |   |   |   | + |
| A64.2  | Russia | 64° 13' 25" | 42° 37' 44" | + |   |   |   |   | + |
| A64.9  | Russia | 64° 54' 21" | 43° 31' 03" |   |   |   |   |   | + |
| A65.6* | Russia | 65° 34' 27" | 44° 37' 35" | + | + |   |   |   | + |
| K59.1  | Russia | 59° 07' 31" | 39° 11' 26" |   |   |   |   |   |   |
| K60    | Russia | 59° 57' 11" | 42° 37' 07" | + |   |   | + |   | + |
| K60.7  | Russia | 60° 43' 13" | 46° 14' 51" |   |   |   |   |   | + |
| K61.3  | Russia | 61° 16' 35" | 47° 04' 04" | + | + |   |   |   | + |
| K62    | Russia | 61° 55' 37" | 50° 40' 47" |   |   |   |   |   |   |
| K62.7  | Russia | 62° 38' 42" | 51° 03' 52" |   |   | + |   |   | + |
| K63.2  | Russia | 63° 11' 32" | 52° 38' 30" |   |   |   |   |   |   |
| K63.7  | Russia | 63° 44' 14" | 54° 12' 43" |   |   | + |   |   | + |
| K65.1* | Russia | 65° 08' 33" | 57° 16' 22" |   |   | + |   |   | + |
| K66*   | Russia | 66° 00' 16" | 60° 20' 14" |   |   | + |   |   |   |

<sup>a</sup>*Betula pendula* absent in sites marked with an asterisk.

<sup>b</sup>Species of gall mites: A.lon. - *Acalitus longisetosus*; A.rud. - *Acalitus rudis*; A.fen. - *Aceria fennica*, A.lis.- *Aceria lissonota*, A.vin. - *Aceria vinosa*, E.lei. - *Eriophyes leionotus*; A. fen., A. lis, & A.vin were found on *Betula pubescens* only.