**Table S6:** Allele frequency in each locus of *Reticulitermes speratus* at Kindai University.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Locus: Rs02** | Population | No of Allele | Alleles (bp) | | | | | | | | | | | | | | | |
| Cohort | 236 | 244 | | 246 | 247 | | 248 | | 250 | | 252 | | 254 | | 256 | Total |
| 1\_Oct\_2015 | D | 2 | 0 | 0 | | 10 | 0 | | 8 | | 0 | | 0 | | 0 | | 0 | 18 |
| 1\_Nov\_2018 | B | 1 | 0 | 0 | | 0 | 0 | | 16 | | 0 | | 0 | | 0 | | 0 | 16 |
| 1\_Dec\_2018 | B | 1 | 0 | 0 | | 0 | 0 | | 16 | | 0 | | 0 | | 0 | | 0 | 16 |
| 1\_May\_2019 | B | 1 | 0 | 0 | | 0 | 0 | | 24 | | 0 | | 0 | | 0 | | 0 | 24 |
| 1\_Nov\_2019 | B | 3 | 0 | 0 | | 0 | 0 | | 15 | | 0 | | 3 | | 0 | | 4 | 22 |
| 2\_Dec\_2014 | C | 3 | 0 | 0 | | 9 | 0 | | 14 | | 0 | | 1 | | 0 | | 0 | 24 |
| 2\_Nov\_2019 | B | 2 | 0 | 0 | | 1 | 0 | | 23 | | 0 | | 0 | | 0 | | 0 | 24 |
| 3\_Nov\_2018 | B | 1 | 0 | 0 | | 0 | 0 | | 16 | | 0 | | 0 | | 0 | | 0 | 16 |
| 3\_Dec\_2018 | B | 1 | 0 | 0 | | 0 | 0 | | 16 | | 0 | | 0 | | 0 | | 0 | 16 |
| 3\_May\_2019 | B | 2 | 0 | 0 | | 2 | 0 | | 22 | | 0 | | 0 | | 0 | | 0 | 24 |
| 4\_Oct\_2015 | A | 3 | 0 | 0 | | 7 | 0 | | 9 | | 0 | | 0 | | 0 | | 12 | 28 |
| 5\_Dec\_2014 | D | 2 | 0 | 0 | | 10 | 0 | | 14 | | 0 | | 0 | | 0 | | 0 | 24 |
| 5\_Oct\_2015 | D | 2 | 0 | 0 | | 19 | 0 | | 15 | | 0 | | 0 | | 0 | | 0 | 34 |
| 5\_Nov\_2018 | B | 1 | 0 | 0 | | 0 | 0 | | 16 | | 0 | | 0 | | 0 | | 0 | 16 |
| 6\_Oct\_2015 | D | 2 | 0 | 0 | | 30 | 0 | | 8 | | 0 | | 0 | | 0 | | 0 | 38 |
| 6\_Nov\_2019 | B | 2 | 0 | 0 | | 6 | 0 | | 14 | | 0 | | 0 | | 0 | | 0 | 20 |
| 7\_Oct\_2015 | A | 3 | 0 | 0 | | 1 | 0 | | 5 | | 2 | | 0 | | 0 | | 0 | 8 |
| 7\_Nov\_2017 | B | 2 | 0 | 0 | | 4 | 0 | | 20 | | 0 | | 0 | | 0 | | 0 | 24 |
| 8\_Nov\_2019 | E | 2 | 0 | 0 | | 0 | 0 | | 2 | | 0 | | 0 | | 0 | | 14 | 16 |
| 9\_May\_2016 | B | 2 | 0 | 0 | | 1 | 0 | | 23 | | 0 | | 0 | | 0 | | 0 | 24 |
| 11\_May\_2019 | A | 3 | 0 | 0 | | 5 | 0 | | 16 | | 0 | | 0 | | 0 | | 1 | 22 |
| 12\_May\_2016 | C | 2 | 0 | 9 | | 0 | 0 | | 15 | | 0 | | 0 | | 0 | | 0 | 24 |
| 13\_Dec\_2014 | C | 2 | 0 | 0 | | 0 | 0 | | 11 | | 0 | | 1 | | 0 | | 0 | 12 |
| 13\_Oct\_2015 | C | 4 | 0 | 0 | | 0 | 1 | | 33 | | 0 | | 1 | | 0 | | 1 | 36 |
| 14\_May\_2019 | A | 3 | 0 | 0 | | 4 | 0 | | 14 | | 0 | | 0 | | 0 | | 6 | 24 |
| 15\_Dec\_2018 | A | 3 | 0 | 0 | | 1 | 0 | | 9 | | 0 | | 0 | | 0 | | 6 | 16 |
| 16\_Sept\_2013 | A | 2 | 0 | 0 | | 0 | 0 | | 13 | | 0 | | 0 | | 0 | | 15 | 28 |
| 16\_Dec\_2018 | A | 3 | 0 | 0 | | 2 | 0 | | 11 | | 0 | | 0 | | 0 | | 3 | 16 |
| 16\_May\_2019 | A | 3 | 0 | 0 | | 3 | 0 | | 13 | | 0 | | 0 | | 0 | | 6 | 22 |
| 18\_Aug\_2018 | A | 3 | 0 | 0 | | 3 | 0 | | 11 | | 0 | | 0 | | 0 | | 8 | 22 |
| 18\_Dec\_2018 | - | 3 | 0 | 0 | | 6 | 0 | | 0 | | 0 | | 0 | | 4 | | 6 | 16 |
| 18\_Nov\_2019 | E | 3 | 0 | 0 | | 5 | 0 | | 0 | | 0 | | 0 | | 2 | | 15 | 22 |
| 20\_Aug\_2018 | E | 3 | 0 | 0 | | 3 | 0 | | 0 | | 0 | | 0 | | 6 | | 11 | 20 |
| 27\_Aug\_2018 | A | 3 | 0 | 0 | | 3 | 0 | | 8 | | 0 | | 0 | | 0 | | 11 | 22 |
| Laboratory |  | 3 | 8 | 0 | | 0 | 0 | | 7 | | 0 | | 0 | | 0 | | 9 | 24 |
| Total |  |  | 8 | 9 | | 135 | 1 | | 457 | | 2 | | 6 | | 12 | | 128 | 758 |
|  | | | | | | | | | | | | | | | | | | |
| **Locus: Rs03** | Population | No of Allele | Alleles (bp) | | | | | | | | | | | | | | | |
| Cohort | 192 | | 194 | | 196 | | | 198 | | | 200 | | | 202 | | Total |
| 1\_Oct\_2015 | D | 3 | 4 | | 0 | | 6 | | | 0 | | | 8 | | | 0 | | 18 |
| 1\_Nov\_2018 | B | 2 | 0 | | 0 | | 4 | | | 12 | | | 0 | | | 0 | | 16 |
| 1\_Dec\_2018 | B | 2 | 0 | | 0 | | 7 | | | 9 | | | 0 | | | 0 | | 16 |
| 1\_May\_2019 | B | 2 | 0 | | 0 | | 2 | | | 22 | | | 0 | | | 0 | | 24 |
| 1\_Nov\_2019 | B | 2 | 0 | | 0 | | 4 | | | 18 | | | 0 | | | 0 | | 22 |
| 2\_Dec\_2014 | C | 3 | 0 | | 8 | | 0 | | | 9 | | | 0 | | | 7 | | 24 |
| 2\_Nov\_2019 | B | 2 | 0 | | 0 | | 6 | | | 18 | | | 0 | | | 0 | | 24 |
| 3\_Nov\_2018 | B | 2 | 0 | | 0 | | 6 | | | 10 | | | 0 | | | 0 | | 16 |
| 3\_Dec\_2018 | B | 2 | 0 | | 0 | | 7 | | | 9 | | | 0 | | | 0 | | 16 |
| 3\_May\_2019 | B | 2 | 0 | | 0 | | 5 | | | 19 | | | 0 | | | 0 | | 24 |
| 4\_Oct\_2015 | A | 3 | 0 | | 0 | | 2 | | | 25 | | | 1 | | | 0 | | 28 |
| 5\_Dec\_2014 | D | 3 | 4 | | 0 | | 16 | | | 0 | | | 4 | | | 0 | | 24 |
| 5\_Oct\_2015 | D | 3 | 7 | | 0 | | 15 | | | 0 | | | 12 | | | 0 | | 34 |
| 5\_Nov\_2018 | B | 2 | 0 | | 0 | | 6 | | | 10 | | | 0 | | | 0 | | 16 |
| 6\_Oct\_2015 | D | 3 | 2 | | 0 | | 25 | | | 0 | | | 11 | | | 0 | | 38 |
| 6\_Nov\_2019 | B | 2 | 0 | | 0 | | 2 | | | 18 | | | 0 | | | 0 | | 20 |
| 7\_Oct\_2015 | A | 3 | 0 | | 0 | | 2 | | | 5 | | | 1 | | | 0 | | 8 |
| 7\_Nov\_2017 | B | 2 | 0 | | 0 | | 1 | | | 23 | | | 0 | | | 0 | | 24 |
| 8\_Nov\_2019 | E | 2 | 0 | | 0 | | 0 | | | 11 | | | 0 | | | 5 | | 16 |
| 9\_May\_2016 | B | 2 | 0 | | 0 | | 4 | | | 20 | | | 0 | | | 0 | | 24 |
| 11\_May\_2019 | A | 2 | 0 | | 0 | | 5 | | | 17 | | | 0 | | | 0 | | 22 |
| 12\_May\_2016 | C | 2 | 0 | | 0 | | 13 | | | 11 | | | 0 | | | 0 | | 24 |
| 13\_Dec\_2014 | C | 3 | 0 | | 2 | | 0 | | | 6 | | | 0 | | | 4 | | 12 |
| 13\_Oct\_2015 | C | 2 | 0 | | 0 | | 0 | | | 24 | | | 0 | | | 12 | | 36 |
| 14\_May\_2019 | A | 2 | 0 | | 0 | | 9 | | | 15 | | | 0 | | | 0 | | 24 |
| 15\_Dec\_2018 | A | 2 | 0 | | 0 | | 9 | | | 7 | | | 0 | | | 0 | | 16 |
| 16\_Sept\_2013 | A | 3 | 0 | | 0 | | 11 | | | 7 | | | 0 | | | 10 | | 28 |
| 16\_Dec\_2018 | A | 2 | 0 | | 0 | | 9 | | | 7 | | | 0 | | | 0 | | 16 |
| 16\_May\_2019 | A | 2 | 0 | | 0 | | 6 | | | 16 | | | 0 | | | 0 | | 22 |
| 18\_Aug\_2018 | A | 2 | 0 | | 0 | | 5 | | | 17 | | | 0 | | | 0 | | 22 |
| 18\_Dec\_2018 | - | 2 | 0 | | 0 | | 8 | | | 8 | | | 0 | | | 0 | | 16 |
| 18\_Nov\_2019 | E | 1 | 0 | | 0 | | 0 | | | 22 | | | 0 | | | 0 | | 22 |
| 20\_Aug\_2018 | E | 1 | 0 | | 0 | | 0 | | | 20 | | | 0 | | | 0 | | 20 |
| 27\_Aug\_2018 | A | 2 | 0 | | 0 | | 11 | | | 11 | | | 0 | | | 0 | | 22 |
| Laboratory |  | 4 | 4 | | 4 | | 8 | | | 8 | | | 0 | | | 0 | | 24 |
| Total |  |  | 21 | | 14 | | 214 | | | 434 | | | 37 | | | 38 | | 758 |
|  | | | | | | | | | | | | | | | | | | |
| **Locus: Rs05** | Population | No of Allele | Alleles (bp) | | | | | | | | | | | | | | | |
| Cohort | 208 | | | 210 | | 212 | | | | 214 | | | | 218 | | Total |
| 1\_Oct\_2015 | D | 1 | 0 | | | 18 | | 0 | | | | 0 | | | | 0 | | 18 |
| 1\_Nov\_2018 | B | 1 | 0 | | | 16 | | 0 | | | | 0 | | | | 0 | | 16 |
| 1\_Dec\_2018 | B | 1 | 0 | | | 16 | | 0 | | | | 0 | | | | 0 | | 16 |
| 1\_May\_2019 | B | 1 | 0 | | | 24 | | 0 | | | | 0 | | | | 0 | | 24 |
| 1\_Nov\_2019 | B | 1 | 0 | | | 22 | | 0 | | | | 0 | | | | 0 | | 22 |
| 2\_Dec\_2014 | C | 1 | 0 | | | 24 | | 0 | | | | 0 | | | | 0 | | 24 |
| 2\_Nov\_2019 | B | 1 | 0 | | | 24 | | 0 | | | | 0 | | | | 0 | | 24 |
| 3\_Nov\_2018 | B | 1 | 0 | | | 16 | | 0 | | | | 0 | | | | 0 | | 16 |
| 3\_Dec\_2018 | B | 1 | 0 | | | 16 | | 0 | | | | 0 | | | | 0 | | 16 |
| 3\_May\_2019 | B | 1 | 0 | | | 24 | | 0 | | | | 0 | | | | 0 | | 24 |
| 4\_Oct\_2015 | A | 2 | 0 | | | 22 | | 0 | | | | 6 | | | | 0 | | 28 |
| 5\_Dec\_2014 | D | 1 | 0 | | | 24 | | 0 | | | | 0 | | | | 0 | | 24 |
| 5\_Oct\_2015 | D | 1 | 0 | | | 34 | | 0 | | | | 0 | | | | 0 | | 34 |
| 5\_Nov\_2018 | B | 1 | 0 | | | 16 | | 0 | | | | 0 | | | | 0 | | 16 |
| 6\_Oct\_2015 | D | 1 | 0 | | | 38 | | 0 | | | | 0 | | | | 0 | | 38 |
| 6\_Nov\_2019 | B | 1 | 0 | | | 20 | | 0 | | | | 0 | | | | 0 | | 20 |
| 7\_Oct\_2015 | A | 3 | 0 | | | 4 | | 0 | | | | 3 | | | | 1 | | 8 |
| 7\_Nov\_2017 | B | 1 | 0 | | | 24 | | 0 | | | | 0 | | | | 0 | | 24 |
| 8\_Nov\_2019 | E | 2 | 0 | | | 12 | | 0 | | | | 4 | | | | 0 | | 16 |
| 9\_May\_2016 | B | 1 | 0 | | | 24 | | 0 | | | | 0 | | | | 0 | | 24 |
| 11\_May\_2019 | A | 2 | 0 | | | 15 | | 0 | | | | 7 | | | | 0 | | 22 |
| 12\_May\_2016 | C | 2 | 0 | | | 24 | | 0 | | | | 0 | | | | 0 | | 24 |
| 13\_Dec\_2014 | C | 1 | 0 | | | 12 | | 0 | | | | 0 | | | | 0 | | 12 |
| 13\_Oct\_2015 | C | 1 | 0 | | | 36 | | 0 | | | | 0 | | | | 0 | | 36 |
| 14\_May\_2019 | A | 2 | 0 | | | 18 | | 0 | | | | 6 | | | | 0 | | 24 |
| 15\_Dec\_2018 | A | 2 | 0 | | | 11 | | 0 | | | | 5 | | | | 0 | | 16 |
| 16\_Sept\_2013 | A | 1 | 0 | | | 28 | | 0 | | | | 0 | | | | 0 | | 28 |
| 16\_Dec\_2018 | A | 2 | 0 | | | 15 | | 0 | | | | 1 | | | | 0 | | 16 |
| 16\_May\_2019 | A | 2 | 0 | | | 18 | | 0 | | | | 4 | | | | 0 | | 22 |
| 18\_Aug\_2018 | A | 2 | 0 | | | 17 | | 0 | | | | 5 | | | | 0 | | 22 |
| 18\_Dec\_2018 | - | 1 | 0 | | | 16 | | 0 | | | | 0 | | | | 0 | | 16 |
| 18\_Nov\_2019 | E | 1 | 0 | | | 22 | | 0 | | | | 0 | | | | 0 | | 22 |
| 20\_Aug\_2018 | E | 1 | 0 | | | 20 | | 0 | | | | 0 | | | | 0 | | 20 |
| 27\_Aug\_2018 | A | 2 | 0 | | | 20 | | 0 | | | | 2 | | | | 0 | | 22 |
| Laboratory |  | 3 | 11 | | | 7 | | 6 | | | | 0 | | | | 0 | | 24 |
| Total |  |  | 11 | | | 697 | | 6 | | | | 43 | | | | 1 | | 758 |
|  | | | | | | | | | | | | | | | | | | |
| **Locus: Rs07** | Population | No of Allele | Alleles (bp) | | | | | | | | | | | | | | | |
| Cohort | 188 | | | 190 | | | | 192 | | | | 194 | | | | Total |
| 1\_Oct\_2015 | D | 1 | 0 | | | 0 | | | | 18 | | | | 0 | | | | 18 |
| 1\_Nov\_2018 | B | 1 | 0 | | | 0 | | | | 16 | | | | 0 | | | | 16 |
| 1\_Dec\_2018 | B | 1 | 0 | | | 0 | | | | 16 | | | | 0 | | | | 16 |
| 1\_May\_2019 | B | 1 | 0 | | | 0 | | | | 24 | | | | 0 | | | | 24 |
| 1\_Nov\_2019 | B | 1 | 0 | | | 0 | | | | 22 | | | | 0 | | | | 22 |
| 2\_Dec\_2014 | C | 2 | 0 | | | 12 | | | | 12 | | | | 0 | | | | 24 |
| 2\_Nov\_2019 | B | 1 | 0 | | | 0 | | | | 24 | | | | 0 | | | | 24 |
| 3\_Nov\_2018 | B | 1 | 0 | | | 0 | | | | 16 | | | | 0 | | | | 16 |
| 3\_Dec\_2018 | B | 1 | 0 | | | 0 | | | | 16 | | | | 0 | | | | 16 |
| 3\_May\_2019 | B | 1 | 0 | | | 0 | | | | 24 | | | | 0 | | | | 24 |
| 4\_Oct\_2015 | A | 1 | 0 | | | 0 | | | | 28 | | | | 0 | | | | 28 |
| 5\_Dec\_2014 | D | 1 | 0 | | | 0 | | | | 24 | | | | 0 | | | | 24 |
| 5\_Oct\_2015 | D | 1 | 0 | | | 0 | | | | 34 | | | | 0 | | | | 34 |
| 5\_Nov\_2018 | B | 1 | 0 | | | 0 | | | | 16 | | | | 0 | | | | 16 |
| 6\_Oct\_2015 | D | 1 | 0 | | | 0 | | | | 38 | | | | 0 | | | | 38 |
| 6\_Nov\_2019 | B | 1 | 0 | | | 0 | | | | 20 | | | | 0 | | | | 20 |
| 7\_Oct\_2015 | A | 2 | 0 | | | 0 | | | | 6 | | | | 2 | | | | 8 |
| 7\_Nov\_2017 | B | 1 | 0 | | | 0 | | | | 24 | | | | 0 | | | | 24 |
| 8\_Nov\_2019 | E | 1 | 0 | | | 0 | | | | 16 | | | | 0 | | | | 16 |
| 9\_May\_2016 | B | 1 | 0 | | | 0 | | | | 24 | | | | 0 | | | | 24 |
| 11\_May\_2019 | A | 1 | 0 | | | 0 | | | | 22 | | | | 0 | | | | 22 |
| 12\_May\_2016 | C | 2 | 0 | | | 15 | | | | 9 | | | | 0 | | | | 24 |
| 13\_Dec\_2014 | C | 2 | 0 | | | 6 | | | | 6 | | | | 0 | | | | 12 |
| 13\_Oct\_2015 | C | 2 | 0 | | | 9 | | | | 27 | | | | 0 | | | | 36 |
| 14\_May\_2019 | A | 1 | 0 | | | 0 | | | | 24 | | | | 0 | | | | 24 |
| 15\_Dec\_2018 | A | 1 | 0 | | | 0 | | | | 16 | | | | 0 | | | | 16 |
| 16\_Sept\_2013 | A | 1 | 0 | | | 0 | | | | 28 | | | | 0 | | | | 28 |
| 16\_Dec\_2018 | A | 1 | 0 | | | 0 | | | | 16 | | | | 0 | | | | 16 |
| 16\_May\_2019 | A | 1 | 0 | | | 0 | | | | 22 | | | | 0 | | | | 22 |
| 18\_Aug\_2018 | A | 1 | 0 | | | 0 | | | | 22 | | | | 0 | | | | 22 |
| 18\_Dec\_2018 | - | 2 | 6 | | | 0 | | | | 10 | | | | 0 | | | | 16 |
| 18\_Nov\_2019 | E | 1 | 0 | | | 0 | | | | 22 | | | | 0 | | | | 22 |
| 20\_Aug\_2018 | E | 2 | 5 | | | 0 | | | | 15 | | | | 0 | | | | 20 |
| 27\_Aug\_2018 | A | 1 | 0 | | | 0 | | | | 22 | | | | 0 | | | | 22 |
| Laboratory |  | 2 | 0 | | | 2 | | | | 22 | | | | 0 | | | | 24 |
| Total |  |  | 11 | | | 44 | | | | 701 | | | | 2 | | | | 758 |