

Supplementary File

Title: Temperature dependence of feeding activity in the invasive freshwater snail *Pomacea canaliculata*: Implications for its response to climate warming

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Table S1. Location and temperature condition (days with mean air temperature (T) of each range) of Prefectures (capitals) for which the feeding potential of *Pomacea canaliculata* was estimated by the model

| Prefecture | lat | long | Elevation | Present temperature condition | | | | Warming condition of +2 °C | | | |
|------------|------|-------|-----------|-------------------------------|---------------------|---------------------|----------------|----------------------------|---------------------|---------------------|----------------|
| | | | | $T < 10$ °C | $10 \leq T < 15$ °C | $15 \leq T < 25$ °C | $T \leq 25$ °C | $T < 10$ °C | $10 \leq T < 15$ °C | $15 \leq T < 25$ °C | $T \leq 25$ °C |
| Okinawa | 26.1 | 127.4 | 28.0 | 0 | 0 | 217 | 148 | 0 | 0 | 170 | 195 |
| Kagoshima | 31.3 | 130.3 | 4.0 | 53 | 77 | 141 | 94 | 0 | 103 | 137 | 125 |
| Miyazaki | 31.6 | 131.2 | 9.0 | 75 | 66 | 143 | 81 | 24 | 94 | 142 | 105 |
| Oita | 33.1 | 131.4 | 5.0 | 99 | 57 | 137 | 146 | 61 | 76 | 132 | 96 |
| Kumamoto | 32.5 | 130.4 | 38.0 | 96 | 55 | 132 | 82 | 68 | 64 | 119 | 114 |
| Nagasaki | 32.4 | 129.5 | 27.0 | 86 | 62 | 140 | 77 | 44 | 82 | 135 | 104 |
| Saga | 33.2 | 130.2 | 6.0 | 101 | 55 | 133 | 76 | 71 | 65 | 121 | 108 |
| Fukuoka | 33.3 | 130.2 | 3.0 | 92 | 59 | 135 | 79 | 52 | 78 | 129 | 106 |
| Yamaguchi | 35.0 | 131.3 | 18.0 | 119 | 56 | 125 | 65 | 95 | 54 | 125 | 91 |
| Hiroshima | 34.2 | 132.3 | 4.0 | 109 | 53 | 127 | 76 | 82 | 59 | 120 | 104 |
| Shimane | 35.3 | 133.4 | 17.0 | 123 | 56 | 130 | 56 | 98 | 57 | 128 | 82 |
| Tottori | 35.3 | 134.1 | 7.0 | 124 | 55 | 125 | 61 | 98 | 57 | 125 | 85 |
| Okayama | 34.4 | 133.6 | 5.0 | 121 | 51 | 120 | 73 | 96 | 54 | 121 | 94 |
| Ehime | 33.5 | 132.5 | 32.0 | 102 | 55 | 131 | 77 | 67 | 70 | 128 | 100 |
| Kagawa | 34.2 | 134.3 | 9.0 | 107 | 54 | 124 | 80 | 78 | 62 | 121 | 104 |
| Kochi | 33.3 | 133.3 | 1.0 | 88 | 60 | 138 | 79 | 55 | 73 | 130 | 107 |
| Tokushima | 34.4 | 134.3 | 2.0 | 100 | 56 | 133 | 76 | 67 | 69 | 127 | 102 |
| Hyogo | 34.4 | 135.1 | 5.0 | 100 | 54 | 129 | 82 | 68 | 67 | 121 | 109 |
| Kyoto | 35.1 | 135.4 | 41.0 | 115 | 51 | 121 | 78 | 91 | 55 | 118 | 101 |
| Osaka | 34.4 | 135.3 | 23.0 | 100 | 54 | 128 | 83 | 68 | 67 | 120 | 110 |
| Wakayama | 34.1 | 136.0 | 14.0 | 100 | 56 | 128 | 81 | 67 | 69 | 124 | 105 |
| Nara | 34.4 | 135.5 | 102.0 | 121 | 52 | 120 | 72 | 97 | 53 | 119 | 96 |
| Mie | 34.4 | 136.3 | 3.0 | 110 | 55 | 125 | 75 | 82 | 61 | 125 | 97 |
| Shiga | 34.6 | 135.5 | 86.0 | 128 | 52 | 120 | 65 | 103 | 54 | 120 | 88 |
| Fukui | 36.3 | 136.1 | 9.0 | 131 | 51 | 122 | 61 | 108 | 51 | 121 | 85 |
| Ishikawa | 36.6 | 136.4 | 6.0 | 127 | 53 | 127 | 58 | 103 | 54 | 124 | 84 |
| Toyama | 36.3 | 137.1 | 9.0 | 134 | 51 | 127 | 53 | 111 | 52 | 122 | 80 |
| Aichi | 35.1 | 136.6 | 51.0 | 111 | 53 | 125 | 76 | 88 | 56 | 121 | 100 |
| Gifu | 35.2 | 136.5 | 13.0 | 113 | 52 | 124 | 76 | 91 | 54 | 118 | 102 |
| Shizuoka | 34.6 | 138.2 | 14.0 | 90 | 63 | 140 | 72 | 53 | 76 | 140 | 96 |
| Kanagawa | 35.3 | 139.4 | 39.0 | 101 | 61 | 141 | 62 | 70 | 70 | 139 | 86 |
| Gunma | 36.2 | 139.4 | 112.0 | 128 | 51 | 127 | 59 | 102 | 55 | 124 | 84 |
| Tochigi | 36.3 | 139.5 | 119.0 | 135 | 50 | 138 | 42 | 110 | 54 | 125 | 76 |
| Ibaraki | 36.2 | 140.3 | 29.0 | 134 | 53 | 144 | 34 | 109 | 56 | 130 | 70 |
| Saitama | 35.5 | 139.4 | 8.0 | 124 | 52 | 127 | 62 | 98 | 57 | 124 | 86 |
| Tokyo | 35.4 | 139.5 | 25.0 | 109 | 59 | 136 | 61 | 82 | 63 | 135 | 85 |
| Chiba | 35.4 | 140.6 | 3.0 | 101 | 61 | 138 | 65 | 72 | 68 | 138 | 87 |