**Table S1.** Number of individuals assigned to either sexual morphotype, reproductive form I or non-reproductive form II, among the crayfish that had reached the size of sexual maturity (females, 22 mm in postorbital carapace length (POCL); males, 21 m POCL) in the respective size classes of the red swamp crayfish *Procambarus clarkii* collected from a small pond in Yokohama, Japan in 2011

|  |  |  |  |
| --- | --- | --- | --- |
| 　 | Morphotype | POCL class (mm) | Number of crayfish |
| Sex | April | May | June | July | August | September | October | November | December |
| Female | Form I | 22–25.99 | 2 | 0 | 1 | 2 | 0 | 6 | 5 | 5 | 1 |
|  |  | 26–29.99 | 8 | 8 | 3 | 16 | 3 | 14 | 8 | 5 | 2 |
|  |  | 30–33.99 | 7 | 6 | 6 | 12 | 6 | 1 | 8 | 3 | 0 |
|  |  | 34–37.99 | 5 | 5 | 11 | 1 | 2 | 1 | 0 | 0 | 0 |
|  |  | 38–41.99 | 0 | 0 | 3 | 0 | 0 | 2 | 0 | 0 | 0 |
|  | Form II | 22–25.99 | 4 | 10 | 32 | 39 | 5 | 32 | 0 | 8 | 4 |
|  |  | 26–29.99 | 8 | 7 | 17 | 26 | 3 | 17 | 0 | 4 | 3 |
|  |  | 30–33.99 | 1 | 7 | 20 | 3 | 1 | 3 | 0 | 1 | 0 |
|  |  | 34–37.99 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  |  | 38–41.99 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Male | Form I | 22–25.99 | 3 | 2 | 2 | 4 | 0 | 6 | 11 | 13 | 2 |
|  |  | 26–29.99 | 3 | 9 | 6 | 11 | 4 | 8 | 9 | 8 | 3 |
|  |  | 30–33.99 | 2 | 9 | 5 | 19 | 4 | 5 | 4 | 7 | 0 |
|  |  | 34–37.99 | 0 | 3 | 10 | 2 | 0 | 1 | 1 | 0 | 0 |
|  |  | 38–41.99 | 0 | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 0 |
|  | Form II | 22–25.99 | 1 | 7 | 24 | 38 | 2 | 14 | 4 | 8 | 5 |
|  |  | 26–29.99 | 9 | 10 | 18 | 23 | 3 | 10 | 1 | 1 | 4 |
|  |  | 30–33.99 | 3 | 5 | 18 | 4 | 0 | 4 | 0 | 0 | 1 |
|  |  | 34–37.99 | 0 | 2 | 7 | 0 | 0 | 0 | 0 | 0 | 0 |
| 　 |  | 38–41.99 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |