**Table S1.** *Amino acid data on opercula of* Bithynia tentaculata *from unit 4a of channel C at Bradley Fen, Whittlesey determined following standard procedures (Hill, 1965;* *Sykes* et al*., 1995;* *Kaufman & Manley, 1998;* *Penkman, 2005; Preece & Penkman, 2005; Langford* et al*., 2007; Penkman* et al*., 2008a, 2008b, 2011, 2013)*†

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| NEaar number | Sample name | Asx D/L | Glx D/L | Ser D/L | Ala D/L | Val D/L | [Ser]/[Ala] |
| 9516bF | BFBto493-1bF | 0.643 ± 0.001 | 0.209 ± 0.008 | 0.931 ± 0.005 | 0.275 ± 0.001 | 0.159 ± 0.001 | 0.720 ± 0.004 |
| 9516bH\* | BFBto493-1bH\* | 0.519 ± 0.000 | 0.131 ± 0.001 | 0.596 ± 0.012 | 0.182 ± 0.003 | 0.097 ± 0.000 | 0.609 ± 0.011 |
| 9517bF | BFBto493-2bF | 0.646 ± 0.001 | 0.194 ± 0.010 | 0.989 ± 0.001 | 0.286 ± 0.002 | 0.162 ± 0.003 | 0.699 ± 0.004 |
| 9517bH\* | BFBto493-2bH\* | 0.520 ± 0.000 | 0.139 ± 0.000 | 0.642 ± 0.006 | 0.191 ± 0.018 | 0.101 ± 0.000 | 0.011 ± 0.005 |
| 9518bF | BFBto493-3bF | 0.641 ± 0.001 | 0.184 ± 0.001 | 0.962 ± 0.000 | 0.265 ± 0.013 | 0.152 ± 0.002 | 0.704 ± 0.008 |
| 9518bH\* | BFNto493-3bH\* | 0.520 ± 0.000 | 0.137 ± 0.000 | 0.625 ± 0.003 | 0.189 ± 0.002 | 0.098 ± 0.001 | 0.576 ± 0.000 |

†Error terms represent one standard deviation about the mean for the duplicate analyses for an individual sample. Each sample was bleached (b), with the free amino acid fraction signified by ‘F’ and the total hydrolysable fraction by ‘H\*’.

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