

Table S3. Species of anurans and outgroups used for the phylogenetic inference and meta-analysis of the metabolic parameters in Anura. Data include accession numbers, metabolic measurements, and references of physiological data.

| Family            | Genus                  | species             | 1216S                | V <sub>O2RES</sub><br>(ml/h)<br>20°C | Mass<br>(g) | V <sub>O2RES</sub><br>(ml/h)<br>25°C | Mass<br>(g) | V <sub>O2EX</sub><br>(ml/h)<br>20°C | Mass<br>(g) | V <sub>O2EX</sub><br>(ml/h)<br>25°C | Mass<br>(g) | Ref.       |
|-------------------|------------------------|---------------------|----------------------|--------------------------------------|-------------|--------------------------------------|-------------|-------------------------------------|-------------|-------------------------------------|-------------|------------|
| Lepidosirenidae   | <i>Lepidosiren</i>     | <i>paradoxa</i>     | NC003342             | --                                   | --          | --                                   | --          | --                                  | --          | --                                  | --          |            |
| Phasianidae       | <i>Gallus</i>          | <i>gallus</i>       | AP003319             | --                                   | --          | --                                   | --          | --                                  | --          | --                                  | --          |            |
| Hominidae         | <i>Homo</i>            | <i>sapiens</i>      | AC000021             | --                                   | --          | --                                   | --          | --                                  | --          | --                                  | --          |            |
| Typhlonectidae    | <i>Typhlonectes</i>    | <i>natans</i>       | NC002471             | --                                   | --          | --                                   | --          | --                                  | --          | --                                  | --          |            |
| Caeciliidae       | <i>Gegeneophis</i>     | <i>ramaswamii</i>   | NC006301             | --                                   | --          | --                                   | --          | --                                  | --          | --                                  | --          |            |
| Rhinatreumatidae  | <i>Rhinatrema</i>      | <i>bivittatum</i>   | NC006303             | --                                   | --          | --                                   | --          | --                                  | --          | --                                  | --          |            |
| Hynobiidae        | <i>Hynobius</i>        | <i>formosanus</i>   | NC008084             | --                                   | --          | --                                   | --          | --                                  | --          | --                                  | --          |            |
| Plethodontidae    | <i>Eurycea</i>         | <i>bislineata</i>   | AY728217             | --                                   | --          | --                                   | --          | --                                  | --          | --                                  | --          |            |
| Ambystomatidae    | <i>Ambystoma</i>       | <i>mexicanum</i>    | NC005797             | --                                   | --          | --                                   | --          | --                                  | --          | --                                  | --          |            |
| Alytidae          | <i>Alytes</i>          | <i>obstetricans</i> | *                    | --                                   | --          | --                                   | --          | --                                  | --          | --                                  | --          |            |
| Alytidae          | <i>Discoglossus</i>    | <i>galganoi</i>     | NC006690             | --                                   | --          | --                                   | --          | --                                  | --          | --                                  | --          |            |
| Alytidae          | <i>Discoglossus</i>    | <i>pictus</i>       | *                    | 1.142                                | 30.71       | --                                   | --          | 8.166                               | 30.70       | --                                  | --          | (1)        |
| Arthroleptidae    | <i>Arthroleptis</i>    | <i>variabilis</i>   | DQ283081             | --                                   | --          | --                                   | --          | --                                  | --          | --                                  | --          |            |
| Arthroleptidae    | <i>Trichobatrachus</i> | <i>robustus</i>     | AY843773             | --                                   | --          | --                                   | --          | --                                  | --          | --                                  | --          |            |
| Batrachophrynidae | <i>Caudiverbera</i>    | <i>caudiverbera</i> | DQ283439             | --                                   | --          | --                                   | --          | --                                  | --          | --                                  | --          |            |
| Bombinatoridae    | <i>Bombina</i>         | <i>orientalis</i>   | AY957562             | 0.149                                | 2.62        | 0.340                                | 3.79        | 1.230                               | 2.60        | --                                  | --          | (1)<br>(2) |
| Brevicipitidae    | <i>Callulina</i>       | <i>krefftii</i>     | AY326068             | --                                   | --          | --                                   | --          | --                                  | --          | --                                  | --          |            |
| Bufo              | <i>Atelopus</i>        | <i>peruensis</i>    | AY819329<br>DQ158419 | --                                   | --          | --                                   | --          | --                                  | --          | --                                  | --          |            |
| Bufo              | <i>Bufo</i>            | <i>alvarius</i>     | AY325984             | --                                   | --          | --                                   | --          | --                                  | --          | --                                  | --          |            |
| Bufo              | <i>Bufo</i>            | <i>americanus</i>   | AY680206             | 1.377                                | 27.00       | 2.937                                | 40.40       | 28.053                              | 27.00       | 34.098                              | 40.40       | (1)        |
| Bufo              | <i>Bufo</i>            | <i>bankorensis</i>  | --                   | --                                   | --          | 2.953                                | 34.10       | --                                  | --          | --                                  | --          | (3)        |
| Bufo              | <i>Bufo</i>            | <i>boreas</i>       | AY325983             | 1.303                                | 40.20       | 2.640                                | 27.30       | 31.265                              | 47.30       | 44.651                              | 47.30       | (1)        |
| Bufo              | <i>Bufo</i>            | <i>bufo</i>         | AY325988             | 4.901                                | 29.00       | 4.585                                | 28.59       | --                                  | --          | --                                  | --          | (1)        |
| Bufo              | <i>Bufo</i>            | <i>calamita</i>     | --                   | 0.511                                | 8.67        | --                                   | --          | 6.777                               | 8.70        | --                                  | --          | (1)        |

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|-------------------|-------------------------|---------------------|----------------------|--------------------------------------|-------------|--------------------------------------|-------------|-------------------------------------|-------------|-------------------------------------|-------------|------|
| Bufonidae         | <i>Bufo</i>             | <i>cognatus</i>     | AY680231             | 1.290                                | 63.80       | 1.930                                | 67.50       | 42.280                              | 28.00       | 51.761                              | 27.10       | (2)  |
| Bufonidae         | <i>Bufo</i>             | <i>haematiticus</i> | AY680270             | --                                   | --          | --                                   | --          | --                                  | --          | --                                  | --          |      |
| Bufonidae         | <i>Bufo</i>             | <i>marinus</i>      | AY325994             | 2.609                                | 101.00      | 3.170                                | 101.00      | 156.100                             | 223.00      | 380.380                             | 266.00      | (1)  |
| Bufonidae         | <i>Bufo</i>             | <i>terrestris</i>   | AY680222             | 15.100                               | 102.00      | 2.243                                | 19.80       | --                                  | --          | --                                  | --          | (1)  |
| Bufonidae         | <i>Bufo</i>             | <i>viridis</i>      | --                   | 0.875                                | 35.00       | --                                   | --          | --                                  | --          | --                                  | --          | (1)  |
| Bufonidae         | <i>Bufo</i>             | <i>woodhousii</i>   | AY680219             | 4.413                                | 64.80       | 2.235                                | 56.30       | 80.230                              | 71.00       | 85.910                              | 71.00       | (1)  |
| Bufonidae         | <i>Dendrophryniscus</i> | <i>minutus</i>      | AY843582             | --                                   | --          | --                                   | --          | --                                  | --          | --                                  | --          |      |
| Bufonidae         | <i>Melanophryniscus</i> | <i>stelzneri</i>    | AY325999             | --                                   | --          | --                                   | --          | --                                  | --          | --                                  | --          |      |
| Centrolenidae     | <i>Centrolene</i>       | <i>prosolepon</i>   | AY843574             | --                                   | --          | --                                   | --          | --                                  | --          | --                                  | --          |      |
| Ceratobatrachidae | <i>Ceratobatrachus</i>  | <i>guentheri</i>    | DQ283198             | --                                   | --          | --                                   | --          | --                                  | --          | --                                  | --          |      |
| Ceratobatrachidae | <i>Ingerana</i>         | <i>baluensis</i>    | DQ283142             | --                                   | --          | --                                   | --          | --                                  | --          | --                                  | --          |      |
| Ceratophryidae    | <i>Atelognathus</i>     | <i>patagonicus</i>  | AY843571             | --                                   | --          | --                                   | --          | --                                  | --          | --                                  | --          |      |
| Ceratophryidae    | <i>Ceratophrys</i>      | <i>calcarata</i>    | --                   | --                                   | --          | 2.967                                | 55.50       | --                                  | --          | --                                  | --          | (1)  |
| Ceratophryidae    | <i>Ceratophrys</i>      | <i>cranwelli</i>    | AY843575             | --                                   | --          | 0.410                                | 8.55        | --                                  | --          | --                                  | --          | (4)  |
| Ceratophryidae    | <i>Ceratophrys</i>      | <i>ornata</i>       | AY326013             | --                                   | --          | --                                   | --          | --                                  | --          | --                                  | --          |      |
| Ceratophryidae    | <i>Lepidobatrachus</i>  | <i>llanensis</i>    | AY326019<br>(as sp.) | --                                   | --          | 8.585                                | 88.50       | --                                  | --          | --                                  | --          | (1)  |
| Ceratophryidae    | <i>Telmatobius</i>      | <i>niger</i>        | AY326015             | --                                   | --          | --                                   | --          | --                                  | --          | --                                  | --          |      |
| Cycloramphidae    | <i>Alsodes</i>          | <i>monticola</i>    | AY326016             | --                                   | --          | --                                   | --          | --                                  | --          | --                                  | --          |      |
| Cycloramphidae    | <i>Odontophrynus</i>    | <i>americanus</i>   | AY843704             | 0.549                                | 15.24       | --                                   | --          | 8.786                               | 15.20       | --                                  | --          | (1)  |
| Cycloramphidae    | <i>Rhinoderma</i>       | <i>darwinii</i>     | DQ283324             | --                                   | --          | --                                   | --          | --                                  | --          | --                                  | --          |      |
| Cycloramphidae    | <i>Thoropa</i>          | <i>miliaris</i>     | DQ283331             | --                                   | --          | --                                   | --          | --                                  | --          | --                                  | --          |      |
| Dendrobatidae     | <i>Allobates</i>        | <i>femoralis</i>    | AY364543             | --                                   | --          | --                                   | --          | --                                  | --          | --                                  | --          |      |
| Dendrobatidae     | <i>Allobates</i>        | <i>talamancae</i>   | EU342516             | 0.053                                | 0.87        | --                                   | --          | 0.255                               | 0.87        | --                                  | --          | (5)  |
| Dendrobatidae     | <i>Hyloxalus</i>        | <i>awa</i>          | AY364544             | --                                   | --          | --                                   | --          | --                                  | --          | --                                  | --          |      |
| Dendrobatidae     | <i>Colostethus</i>      | <i>fugax</i>        | AY364547             | --                                   | --          | --                                   | --          | --                                  | --          | --                                  | --          |      |
| Dendrobatidae     | <i>Colostethus</i>      | <i>panamansis</i>   | EU342599             | 0.137                                | 1.57        | 0.213                                | 1.53        | 1.131                               | 1.52        | 1.394                               | 1.52        | (1)  |

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|---------------------|--------------------------|------------------------|----------|--------------------------------------|-------------|--------------------------------------|-------------|-------------------------------------|-------------|-------------------------------------|-------------|------|
| Dendrobatidae       | <i>Dendrobates</i>       | <i>auratus</i>         | AY326036 | 0.142                                | 2.09        | 0.159                                | 1.77        | 1.773                               | 1.95        | 2.036                               | 1.50        | (1)  |
| Dendrobatidae       | <i>Hyloxalus</i>         | <i>subpunctatus</i>    | EU342693 | 0.089                                | 0.65        | --                                   | --          | 0.257                               | 0.65        | --                                  | --          | (5)  |
| Dendrobatidae       | <i>Mannophryne</i>       | <i>trinitatis</i>      | EU342504 | --                                   | --          | 0.201                                | 1.00        | --                                  | --          | --                                  | --          | (1)  |
| Dendrobatidae       | <i>Phyllobates</i>       | <i>vittatus</i>        | *        | --                                   | --          | --                                   | --          | --                                  | --          | --                                  | --          |      |
| Dendrobatidae       | <i>Silverstoneia</i>     | <i>nubicola</i>        | EU342579 | 0.031                                | 0.28        | 0.044                                | 0.27        | 0.143                               | 0.25        | 0.164                               | 0.25        | (1)  |
| Dicroglossidae      | <i>Fejervarya</i>        | <i>nicobariensis</i>   | AY326062 | --                                   | --          | 0.256                                | 2.60        | --                                  | --          | --                                  | --          | (1)  |
| Dicroglossidae      | <i>Hoplobatrachus</i>    | <i>occipitalis</i>     | DQ283059 | --                                   | --          | --                                   | --          | --                                  | --          | --                                  | --          |      |
| Dicroglossidae      | <i>Limnonectes</i>       | <i>magnus</i>          | AY313706 | 1.402                                | 34.20       | --                                   | --          | --                                  | --          | --                                  | --          | (1)  |
| Dicroglossidae      | <i>Occidozyga</i>        | <i>martensii</i>       | --       | 0.524                                | 9.30        | 0.887                                | 9.30        | --                                  | --          | --                                  | --          | (1)  |
| Eleutherodactylidae | <i>Eleutherodactylus</i> | <i>coqui</i>           | EF493539 | 0.179                                | 4.06        | --                                   | --          | 1.193                               | 4.10        | --                                  | --          | (1)  |
| Heleophrynidae      | <i>Heleophryne</i>       | <i>purcelli</i>        | AY326072 | --                                   | --          | --                                   | --          | --                                  | --          | --                                  | --          |      |
| Hemisotidae         | <i>Hemisus</i>           | <i>marmoratum</i>      | AY326070 | --                                   | --          | --                                   | --          | --                                  | --          | --                                  | --          |      |
| Hylidae             | <i>Acris</i>             | <i>crepitans</i>       | EF566971 | --                                   | --          | 0.329                                | 1.86        | --                                  | --          | --                                  | --          | (1)  |
| Hylidae             | <i>Agalychnis</i>        | <i>callidryas</i>      | AY843563 | 0.337                                | 5.65        | --                                   | --          | 2.993                               | 5.70        | --                                  | --          | (1)  |
| Hylidae             | <i>Cyclorana</i>         | <i>maini</i>           | --       | --                                   | --          | 0.342                                | 5.10        | --                                  | --          | 7.634                               | 5.11        | (1)  |
| Hylidae             | <i>Cyclorana</i>         | <i>platycephala</i>    | --       | --                                   | --          | 1.007                                | 21.90       | --                                  | --          | --                                  | --          | (6)  |
| Hylidae             | <i>Dendropsophus</i>     | <i>labialis</i>        | AY843635 | 0.730                                | 7.45        | --                                   | --          | 3.129                               | 7.45        | --                                  | --          | (5)  |
| Hylidae             | <i>Dendropsophus</i>     | <i>microcephalus</i>   | EF566945 | 0.080                                | 0.67        | --                                   | --          | 0.311                               | 0.67        | --                                  | --          | (5)  |
| Hylidae             | <i>Hyla</i>              | <i>arenicolor</i>      | AY843603 | 0.300                                | 3.37        | --                                   | --          | 2.839                               | 3.40        | --                                  | --          | (1)  |
| Hylidae             | <i>Hyla</i>              | <i>chrysofelis</i>     | EF566948 | 0.437                                | 3.90        | --                                   | --          | 5.382                               | 5.47        | --                                  | --          | (1)  |
| Hylidae             | <i>Hyla</i>              | <i>cinerea</i>         | AY549327 | 0.560                                | 3.82        | 0.459                                | 4.50        | --                                  | --          | --                                  | --          | (1)  |
| Hylidae             | <i>Hyla</i>              | <i>gratiosa</i>        | EF566966 | --                                   | --          | 1.443                                | 9.80        | --                                  | --          | --                                  | --          | (1)  |
| Hylidae             | <i>Hyla</i>              | <i>versicolor</i>      | EF566950 | 0.603                                | 6.09        | 1.525                                | 7.60        | 6.222                               | 6.10        | --                                  | --          | (1)  |
| Hylidae             | <i>Hypsiboas</i>         | <i>boans</i>           | AY843610 | --                                   | --          | 3.933                                | 41.40       | --                                  | --          | --                                  | --          | (1)  |
| Hylidae             | <i>Litoria</i>           | <i>caerulea</i>        | AY843692 | --                                   | --          | --                                   | --          | --                                  | --          | --                                  | --          |      |
| Hylidae             | <i>Osteopilus</i>        | <i>septentrionalis</i> | AY843712 | 0.330                                | 4.98        | --                                   | --          | 3.260                               | 5.00        | --                                  | --          | (1)  |





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|----------------|---------------------|--------------------|----------|--------------------------------------|-------------|--------------------------------------|-------------|-------------------------------------|-------------|-------------------------------------|-------------|--------|
| Pipidae        | <i>Hymenochirus</i> | <i>boettgeri</i>   | AY581623 | --                                   | --          | --                                   | --          | --                                  | --          | --                                  | --          |        |
| Pipidae        | <i>Pipa</i>         | <i>pipa</i>        | *        | --                                   | --          | --                                   | --          | --                                  | --          | --                                  | --          |        |
| Pipidae        | <i>Silurana</i>     | <i>tropicalis</i>  | NC006839 | 2.530                                | 55.00       | 3.526                                | 41.00       | --                                  | --          | 27.963                              | 23.90       | (1)    |
| Pyxicephalidae | <i>Afrana</i>       | <i>fuscigula</i>   | DQ283069 | --                                   | --          | --                                   | --          | --                                  | --          | --                                  | --          |        |
| Pyxicephalidae | <i>Pyxicephalus</i> | <i>adspersus</i>   | --       | 14.220                               | 562.30      | 18.500                               | 500.00      | 344.000                             | 400.00      | --                                  | --          | (1, 6) |
| Pyxicephalidae | <i>Strongylopus</i> | <i>grayii</i>      | DQ283068 | --                                   | --          | --                                   | --          | --                                  | --          | --                                  | --          |        |
| Ranidae        | <i>Conraua</i>      | <i>goliath</i>     | DQ283132 | --                                   | --          | 18.860                               | 251.00      | --                                  | --          | --                                  | --          | (1)    |
| Ranidae        | <i>Fejervarya</i>   | <i>cancrivora</i>  | --       | 1.041                                | 20.45       | 1.577                                | 20.45       | --                                  | --          | --                                  | --          | (1)    |
| Ranidae        | <i>Rana</i>         | <i>arvalis</i>     | --       | 2.887                                | 17.00       | 4.769                                | 17.00       | --                                  | --          | --                                  | --          | (1)    |
| Ranidae        | <i>Rana</i>         | <i>aurora</i>      | DQ283189 | --                                   | --          | --                                   | --          | --                                  | --          | --                                  | --          |        |
| Ranidae        | <i>Rana</i>         | <i>blythi</i>      | --       | --                                   | --          | 4.373                                | 88.70       | --                                  | --          | --                                  | --          | (1)    |
| Ranidae        | <i>Rana</i>         | <i>catesbeiana</i> | DQ283257 | 5.614                                | 228.20      | 8.650                                | 292.00      | 21.320                              | 26.00       | --                                  | --          | (1, 2) |
| Ranidae        | <i>Rana</i>         | <i>chalconota</i>  | DQ283139 | --                                   | --          | 0.391                                | 4.10        | --                                  | --          | --                                  | --          | (1)    |
| Ranidae        | <i>Rana</i>         | <i>clamitans</i>   | DQ283185 | --                                   | --          | 2.701                                | 32.50       | 1.984                               | 4.00        | --                                  | --          | (1)    |
| Ranidae        | <i>Rana</i>         | <i>erythraea</i>   | DQ283138 | 0.781                                | 19.00       | 1.625                                | 19.00       | --                                  | --          | --                                  | --          | (1)    |
| Ranidae        | <i>Rana</i>         | <i>esculenta</i>   | --       | 4.394                                | 45.30       | 4.195                                | 50.32       | --                                  | --          | --                                  | --          | (1)    |
| Ranidae        | <i>Rana</i>         | <i>galamensis</i>  | DQ283058 | --                                   | --          | --                                   | --          | --                                  | --          | --                                  | --          |        |
| Ranidae        | <i>Rana</i>         | <i>palmipes</i>    | DQ283384 | --                                   | --          | --                                   | --          | --                                  | --          | --                                  | --          |        |
| Ranidae        | <i>Rana</i>         | <i>pipiens</i>     | *        | 1.521                                | 34.80       | 3.276                                | 42.00       | 16.520                              | 28.00       | 27.108                              | 50.20       | (1)    |
| Ranidae        | <i>Rana</i>         | <i>ridibunda</i>   | --       | 1.120                                | 35.00       | --                                   | --          | --                                  | --          | --                                  | --          | (1)    |
| Ranidae        | <i>Rana</i>         | <i>sylvatica</i>   | DQ283387 | 1.098                                | 12.67       | 0.648                                | 6.00        | 9.462                               | 12.70       | --                                  | --          | (1)    |
| Ranidae        | <i>Rana</i>         | <i>temporaria</i>  | AY326063 | 1.750                                | 25.00       | 7.504                                | 38.53       | --                                  | --          | --                                  | --          | (1)    |
| Ranidae        | <i>Rana</i>         | <i>virgatipes</i>  | --       | --                                   | --          | 1.015                                | 7.00        | --                                  | --          | --                                  | --          | (1)    |
| Rhacophoridae  | <i>Buergeria</i>    | <i>buergeri</i>    | AB127977 | --                                   | --          | --                                   | --          | --                                  | --          | --                                  | --          |        |
| Rhacophoridae  | <i>Chirixalus</i>   | <i>doriae</i>      | DQ283135 | --                                   | --          | --                                   | --          | --                                  | --          | --                                  | --          |        |
| Rhacophoridae  | <i>Chiromantis</i>  | <i>petersi</i>     | --       | --                                   | --          | 0.795                                | 11.20       | --                                  | --          | --                                  | --          | (1)    |

Table S3 (Cont.) Species of anurans and outgroups used for the phylogenetic inference and meta-analysis of the metabolic parameters in Anura. Data include accession numbers, metabolic measurements, and references of physiological data.

| Family         | Genus               | species           | 1216S    | V <sub>O2RES</sub><br>(ml/h)<br>20°C | Mass<br>(g) | V <sub>O2RES</sub><br>(ml/h)<br>25°C | Mass<br>(g) | V <sub>O2EX</sub><br>(ml/h)<br>20°C | Mass<br>(g) | V <sub>O2EX</sub><br>(ml/h)<br>25°C | Mass<br>(g) | Ref. |
|----------------|---------------------|-------------------|----------|--------------------------------------|-------------|--------------------------------------|-------------|-------------------------------------|-------------|-------------------------------------|-------------|------|
| Rhinophrynidae | <i>Rhinophrynus</i> | <i>dorsalis</i>   | *        | --                                   | --          | --                                   | --          | --                                  | --          | --                                  | --          |      |
| Scaphiopodidae | <i>Scaphiopus</i>   | <i>couchii</i>    | DQ283150 | --                                   | --          | --                                   | --          | 8.884                               | 10.90       | 40.874                              | 21.40       | (1)  |
| Scaphiopodidae | <i>Scaphiopus</i>   | <i>hurteri</i>    | *        | --                                   | --          | --                                   | --          | --                                  | --          | --                                  | --          |      |
| Strabomantidae | <i>Pristimantis</i> | <i>bogotensis</i> | --       | 0.120                                | 0.91        | --                                   | --          | 0.332                               | 0.91        | --                                  | --          | (5)  |
| Strabomantidae | <i>Pristimantis</i> | <i>diastema</i>   | EU186682 | --                                   | --          | --                                   | --          | --                                  | --          | --                                  | --          |      |

\* Please, request this sequence to David Cannatella <catfish@mail.utexas.edu>

#### References Table S3

- Gatten RE, Miller KJ, & Full RJ (1992) Energetics at rest and during locomotion. *Environmental Physiology of the Amphibians*, eds Feder M, E, Burggren W, & W (The University of Chicago, Chicago), p 646.
- Secor S, *et al.* (2007) Effects of meal size, meal type, and body temperature on the specific dynamic action of anurans. *J Comp Physiol B* 177(2):165-182.
- Hou P, -C, L, & Huang S-P (1999) Metabolic and ventilatory responses to hypoxia in two altitudinal populations of the toad, *Bufo bankorensis*. *Comparative Biochemistry and Physiology Part A* 124:413-421.
- Grayson K, *et al.* (2005) Effects of prey type on specific dynamic action, growth, and mass conversion efficiencies in the horned frog, *Ceratophrys cranwelli*. *Comp Biochem Physiol A Physiol* 141:298-304.
- Navas C & A (1996) Metabolic physiology, locomotor performance, and thermal niche breadth in Neotropical anurans. *Phys. Zool.* 69(6):1481-1501.
- Withers PC (1993) Metabolic depression during aestivation in the Australian frogs, *Neobatrachus* and *Cyclorana*. *Aust. J. Zool.* 41:467-473.
- Gräfe T, U, Schmücker R, Linsenmai K, & E (1992) Reproductive Energetics of the African Reed Frogs, *Hyperolius viridiflavus* and *Hyperolius marmoratus*. *Physiol Zool* 65(1):153-171.
- Guppy M, Withers P, & C (1999) Metabolic depression in animals: physiological perspectives and biochemical generalizations. *Biol Rev* 74:1-40.