# BIOINFORMATICS: FOOD DETECTIVE *ANSWERS*

## Results Table

|  |  |  |
| --- | --- | --- |
| **Sequence** | **Species – scientific name** | **Species – common name** |
| **A** | *Sus scrofa* | Pig |
| **B** | *Sus scrofa* | Pig |
| **C** | *Bos taurus* | Cattle |
| **D** | *Sus scrofa* | Pig |
| **E** | *Ovis aries* | Sheep |
| **F** | *Sus scrofa* | Pig |
| **G** | *Homo sapiens* | Human |
| **H** | *Gallus gallus* | Chicken |

## Extension: Sequences I to M

Please note:

* E-values are high, far higher than for Sequences A to H. (You can check this by re‑running one of the earlier searches and looking at the E-value.)
* ‘Sequences’ I to M are almost certainly DNA sequencing errors.
* The below might not quite match your results. Species and E-values vary over time, as additional sequences are added to the database.

|  |  |  |  |
| --- | --- | --- | --- |
| **Sequence** | **E-value** | **Species – scientific name** | **Species – common name** |
| **I** | 0.002 | *Epinephelus guttatus* | Red hind |
| **J** | 0.032 | *Balaenoptera musculus* | Blue whale |
| **K** | 0.011 | *Streptomyces* sp. | Bacteria |
| **L** | none | none – no match found | none |
| **M** | 0.002 | *Makaira* sp. | Marlin |

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| For worksheet version 2.2 (short)  4273pi Bioinformatics Education Project, <https://4273pi.org> |