# BIOINFORMATICS: FOOD DETECTIVE *ANSWERS*

## Results

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| **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.
* These ‘sequences’ are almost certainly DNA sequencing errors.
* Species and E-values vary over time, as additional sequences are added to the database.

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| --- | --- | --- | --- |
| **Sequence** | **E-value** | **Species – scientific name** | **Species – common name** |
| **I** | 0.002 | *Neomerinthe hemingwayi* | Spinycheek scorpionfish |
| **J** | 0.027 | *Balaenoptera musculus* | Blue whale |
| **K** | 0.009 | *Streptomyces* sp. | Bacterium |
| **L** | n/a | n/a | n/a |
| **M** | 0.002 | *Scomber scombrus* | Atlantic mackerel |

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| For worksheet version 2.0 (short)  4273pi Bioinformatics Education Project, <https://4273pi.org> |