|  |  |  |  |
| --- | --- | --- | --- |
| **Process** | **Sediment hatching** | **Isolation hatching** | **DNA barcoding** |
| Completion time | Staff time | Completion time | Staff time | Completion time | Staff time |
| **Isolation of eggs** | 1 hr | 1 hr | 1 hr | 1 hr | 1 hr | 1 hr |
| **Observation periods** | 2 x 8 d | 2 hr 40 min | 2 x 8 d | 2 hr 40 min | - | - |
| **Drying periods** | 2 x 8 d | 20 mins | 8 d\* | 20 mins | - | - |
| **DNA extraction** | - | - | - | - | 1 hr | 1 hr |
| **PCR** | - | - | - | - | 4 hours | 1 hr |
| **Gel electrophoresis** | - | - | - | - | 1 hr, 30 min | 30 min |
| **Total time taken** | 32 d, 1 hr, 10 min | 4 hr, 10 min | 24 d, 1 hr, 10 min | 4 hr, 10 min | 7 hr, 30 min | 3 hr, 30 min |
| **Consumables cost** | Very low (0.20 GBP) | Very low (0.20 GBP) | High (30.00 GBP) |
| \*isolation hatching only requires a single drying period between observations for completion of the method. |