|  |  |  |
| --- | --- | --- |
|  | **Trained** | **Untrained** |
| **Offer value H** |  |  |
| **Log offer value H** |  |  |
| **Offer value M** |  |  |
| **Log offer value M** |  |  |
| **Offer value** |  |  |
| **Log offer value** |  |  |
| **Δ Offer value** |  |  |
| **Δ Log offer value** |  |  |
| **Chosen value** |  |  |
| **Log chosen value** |  |  |
| **Δ Chosen value** |  |  |
| **Δ Log chosen value** |  |  |
| **Offer utility H** |  |  |
| **Offer utility M** |  |  |
| **Offer utility** |  |  |
| **Δ Offer utility** |  |  |
| **Chosen utility** |  |  |
| **Δ Chosen utility** |  |  |

**Supplementary File 2: Linear correlation equations**

These equations show how the economic variables in the left column were computed based on food type, density and preference in trained and untrained animals. The quantities and are defined in equation 15 in the main text. The quantities and are, respectively, utility in trained and untrained animals computed according to the CES function as fitted to the data in Figure 6C,D.