**Table S1.** Prevalence and eggs per gram of fecal sediment (EPG) values of *Mammomonogamus* sp. in individual western lowland gorillas (*Gorilla gorilla gorilla*) in Makumba group in DSPA. Fecal samples were collected from October 2010 to November 2011.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Individual** | **Sex** | **Age category** | **Total number of samples collected** | **Number of *Mammomonogamus*-positive samples** | **EPG (minimum)** | **EPG (maximum)** | **EPG (median)** |
| **Bokata** | F | juvenile | 29 | 18 | 1.8 | 13.9 | 3.9 |
| **Essekerende** | M | juvenile | 11 | 5 | 3.3 | 5.6 | 4.2 |
| **Kunga** | M | subadult | 25 | 10 | 2.1 | 6.5 | 3.7 |
| **Makumba** | M | adult | 35 | 23 | 2.0 | 24.4 | 3.3 |
| **Malui** | F | adult | 28 | 17 | 1.6 | 10.5 | 3.7 |
| **Mobangui** | M | juvenile | 33 | 22 | 2.1 | 15.4 | 3.5 |
| **Mopambi** | F | adult | 29 | 18 | 2.7 | 23.9 | 4.1 |
| **Mossoko** | F | juvenile | 29 | 20 | 1.1 | 16.3 | 3.3 |
| **Sopo** | F | infant | 9 | 1 | 4.6 | 4.6 | 4.6 |
| **Tembo** | M | juvenile | 29 | 5 | 3.6 | 5.6 | 4.6 |

**Table S2.** Prevalence and eggs per gramm of fecal sediment (EPG) values of *Mammomonogamus* for samples collected from unidentified African forest elephants (*Loxodonta cyclotis*) in DSPA.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Year** | **Season** | **Total number of samples** | **Number of *Mammomonogamus*-positive samples** | **EPG minimum** | **EPG maximum** | **EPG median** |
| **2011** | dry | 29 | 8  | 8 | 47 | 25 |
| **2012** | wet | 32 | 4  | 14 | 55 | 29 |

**Table S3.** Overview of *Mammomonogamus* 18S rDNA and *cox1* sequences obtained; assingnment to the haplotype group is given for *cox1* sequences. Individual eggs from which the DNA was isolated and amplified are marked as M7-M56.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Host** | **Individual** | **Fecal sample** | **18 rDNA sequence** | ***cox1* sequence** | ***cox1* haplotype** |
| **Gorilla** | Makumba | T3072/12 | M37 | M37 | H1 |
| **Gorilla** | Mobangui | T3073/12 | – | M24 | H1 |
| **Gorilla** | Bokata | T3516/12 | – | M7 | H1 |
| – | M8 | H1 |
| T3585/12 | – | M50 | H7 |
| **Gorilla** | Mopambi | T3543/12 | – | M39 | H1 |
| M40 | M40 | H1 |
| **Gorilla** | Malui | T3570/12 | – | M33 | H3 |
| – | M34 | H1 |
| T3576/12 | – | M22 | H1 |
| M23 | M23 | H3 |
| M25 | M25 | H4 |
| **Elephant** | – | T3306/12 | M54 | M54 | H1 |
| **Elephant** | – | T3316/12 | – | M55 | H1 |
| M56 | M56 | H7 |
| **Elephant** | – | T3320/12 | M47 | M47 | H5 |
| M49 | M49 | H6 |
| **Elephant** | – | T3322/12 | – | M19 | H1 |
| **Elephant** | – | T3325/12 | M18 | M18 | H1 |
| **Elephant** | – | T3997/12 | M31 | M31 | H1 |
| **Elephant** | – | T3999/12 | M15 | M15 | H1 |
| M17 | M17 | H2 |