Table S1. Sequences of the primers used for the construction of the *Giardia-mNeonGreen* line.

| Primer Name                  | Sequence (5' to 3')                                                                 | Description                                                                                                                                 |
|-----------------------------|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Fwd-p-BGiardin-Xbal         | ttctctagtagtatgcagcac-tcacagagagag                                                                                                                                 |
|                             |                                                                                     | Forward primer for Beta-Giardin promoter amplification including Xbal restriction site                                                      |
| Rv-p-BGiardin-mNeonGreen    | ctcctcgcccttgctcacca-tcctttttatatttttaactttggtcaaat                                 | Reverse primer for Beta-Giardin promoter amplification including mNeonGreen overlap                                                        |
| Fwd-mNeonGreen              | atggtgagcaagggcaggag                                                                | Forward primer for mNeonGreen cds amplification                                                                                            |
| Rv-mNeonGreen               | tacttgtacagctgcctcat-gcc                                                             | Reverse primer for mNeonGreen cds amplification                                                                                            |
| Fwd-3UTR-BGiardin-mNeonGreen| gcacgagctgtacaa-gtaagcgctgccagaatttac                                             | Forward primer for Beta-Giardin 3'UTR amplification including mNeonGreen overlap                                                           |
| Rv-3UTR-BGiardin-Pacl       | cggttaatttaagtgctcaacttgcaaccactac                                                  | Reverse primer for Beta-Giardin 3'UTR amplification including Pacl restriction site                                                          |