Table S2. Homologs of euukaryote genes in Neochlamydia S13 genes encoding predicted LRR-molecules

| Gene feature ID (RAST) | contig number | strand | nuc length | pep length | nr database BLAST+ (Accession number) | Length | Score | Identity | E value |
|------------------------|---------------|--------|------------|------------|--------------------------------------|--------|-------|----------|--------|
| NEOS13_2442            | 3583 -        | 303    | 100        |            | refXP_002507353.1 | u-box domain/leucine-rich repeat protein [Micromonas sp. RCC299] | 426    | 71.2 bits | 45.99 (45%) | 4E-11   |
| NEOS13_0718            | 3407 +        | 174    | 57         |            | [No hits found]; | | | | | |
| NEOS13_0110            | 3329 +        | 222    | 73         |            | refXP_002503775.1 | predicted protein [Micromonas sp. RCC299] | 406    | 80.1 bits | 43.69 (62%) | 1E-13   |
| NEOS13_1509            | 3488 +        | 402    | 133        |            | refXP_00250372.1 | predicted protein [Micromonas sp. RCC299] | 140    | 89.0 bits | 47.80 (58%) | 2E-16   |
| NEOS13_0001            | 1145 +        | 150    | 49         |            | [No hits found]; | | | | | |
| NEOS13_2799            | 775 -         | 234    | 77         |            | refXP_002508629.1 | hypothetical protein MICPUN_62214 [Micromonas sp. RCC299] | 1098   | 79.7 bits | 40.74 (54%) | 1E-13   |
| NEOS13_2805            | 2642 +        | 231    | 77         |            | [No hits found]; | | | | | |
| NEOS13_2806            | 1116 -        | 219    | 73         |            | refXP_002503775.1 | predicted protein [Micromonas sp. RCC299] | 406    | 89.4 bits | 48.72 (66%) | 2E-16   |
| NEOS13_2807            | 2733 +        | 210    | 70         |            | refXP_002507451.1 | predicted protein [Micromonas sp. RCC299] | 395    | 86.3 bits | 46.70 (65%) | 2E-15   |
| NEOS13_2808            | 1111 +        | 210    | 70         |            | refXP_00250367.1 | predicted protein [Micromonas sp. RCC299] | 252    | 93.6 bits | 45.70 (64%) | 9E-18   |
| NEOS13_2809            | 1796 +        | 201    | 67         |            | refYP_001169272.1 | Mito domain-containing protein [Nostoc punctiforme PCC 73102] | 1109   | 83.6 bits | 45.66 (68%) | 8E-15   |
| NEOS13_2810            | 1703 +        | 192    | 64         |            | refXP_002505627.1 | predicted protein [Micromonas sp. RCC299] | 573    | 80.9 bits | 40.64 (62%) | 6E-14   |
| NEOS13_2811            | 501 +         | 189    | 63         |            | refXP_002507558.1 | predicted protein [Micromonas sp. RCC299] | 574    | 83.2 bits | 42.62 (67%) | 1E-14   |
| NEOS13_2812            | 1551 -        | 183    | 61         |            | refXP_002509372.1 | predicted protein [Micromonas sp. RCC299] | 140    | 78.2 bits | 39.60 (65%) | 4E-13   |
| NEOS13_2813            | 2456 +        | 171    | 57         |            | refXP_002505667.1 | predicted protein [Micromonas sp. RCC299] | 252    | 73.9 bits | 36.57 (63%) | 7E-12   |
| NEOS13_2814            | 2575 -        | 168    | 56         |            | refYP_001169272.1 | Mito domain-containing protein [Nostoc punctiforme PCC 73102] | 1109   | 73.2 bits | 38.56 (67%) | 1E-11   |
| NEOS13_2815            | 2486 +        | 168    | 56         |            | [No hits found]; | | | | | |
| NEOS13_2816            | 2732 +        | 165    | 55         |            | refXP_002508688.1 | predicted protein [Micromonas sp. RCC299] | 518    | 77.4 bits | 41.55 (74%) | 7E-13   |
| NEOS13_2817            | 856 -         | 156    | 52         |            | refXP_00250627.1 | predicted protein [Micromonas sp. RCC299] | 573    | 70.5 bits | 33.32 (63%) | 9E-11   |
| NEOS13_2818            | 3008 -        | 147    | 49         |            | [No hits found]; | | | | | |
| NEOS13_2819            | 803 +         | 138    | 46         |            | [No hits found]; | | | | | |
| NEOS13_2820            | 1712 +        | 132    | 44         |            | [No hits found]; | | | | | |
| NEOS13_2821            | 730 +         | 132    | 44         |            | [No hits found]; | | | | | |
| NEOS13_2822            | 1787 -        | 129    | 43         |            | [No hits found]; | | | | | |
| NEOS13_2823            | 2417 +        | 126    | 42         |            | [No hits found]; | | | | | |
| NEOS13_2824            | 1921 -        | 126    | 42         |            | [No hits found]; | | | | | |
| NEOS13_2825            | 1178 -        | 123    | 41         |            | [No hits found]; | | | | | |
| NEOS13_2826            | 2984 -        | 123    | 41         |            | [No hits found]; | | | | | |
| NEOS13_2827            | 1631 -        | 114    | 38         |            | [No hits found]; | | | | | |
| NEOS13_2828            | 1191 -        | 111    | 37         |            | [No hits found]; | | | | | |

*BLASTP cutoff: 1.00E-10