

## Supporting information S2

**A:** List of the primers used in this study and their sequences (5'-3'). Colours match the regions in the diagram (B), showing the approximative position of the primers. Primers in bold have been obtained during this work.

**B:** Schematic diagram of the SSU gene. Numbers indicate corresponding regions in the sequence of *Physarum polycephalum* X13160. Green bars show intron insertion positions and green labels show intron names.

**A**

	<b>FORWARD</b>		<b>REVERSE</b>
S1	AACCTGGTTGATCCTGCC	<b>SR4Dark</b>	TGTCCTCTAATTGTTACTCGA
S2	TGGTTGATCCTGCCAGTAGTGT	<b>SU19R</b>	GACTTGTCTCTAATTGTTACTCG
S3	GATCCTGCCAGTAGTGATGCG	SR19	ACAAGTCTGGTGCCAGCA
SAPhy	AATCTGCGAACGGCTCCGC	718R	CGTTAAAGTTGTTGCGGTTA
<b>S3Ste</b>	GGGCTTCTGACCTATCAACTAG	753R	GGTTAAAACGCTCGTAGTCGGC
<b>S3Dark</b>	GTGCTTCTGACCTATCAACTAG	S900R	CCCCTTGATCAAGAGCGAAAG
S414F	GAAGGCAGCAGGCGCGCAACG	<b>SR11</b>	GCAATTCGGTCACCCCTCGAAC
S4Myx	AGCAGGCGCGHAACGTTCC	<b>SR11T</b>	GCAATTCGGTCACCCACGAAC
<b>718FL</b>	GTAATTCAGCTCTAATAGCATACG	<b>SR11G</b>	GCAATTCGGTCACCCCGAAC
753F	GTTAAAACGCTCGTAGTCGGC	SR12	GCGAAAGTTAAGGGTTCGAAG
S11.5	GTGGTAAAATACGTTGACCC	<b>SR12'</b>	ACCTTAACTTTTCGCTCTTGATC
S11atro	GACCTATGGCGAAAGCTG	SR13	GGAGTATGGTCGCAAGGCTG
<b>S11.7</b>	TGATCAAGAGCGAAAGTTAAGGG	<b>SR13U</b>	TTCAGYCTTGCGRCCATACTCC
S12m	GACGATCAGATACCGTCGTAGTC	<b>SR14</b>	ACTCTTTGTGTGCCCTTCC
S12'	CAGATACCGTCGTAGTCTTAAC	SR14.1	CAAAGAGTGGAACCTGCGGC
Ste12	CTATAAATGATACTGGCCAGG	SR15	GTAAGTGGTGGTGCATGG
S13	GAGTATGGTCGCAAGGCTG	SR15U	GGTGGTGCATGGCCGTTT
S13.5	GAAACTTAAAGGAATTGACGG	SR18	TCCGATAACGAGCGAGAC
S14	TTGACGGAAGGGCACACA	<b>S43R</b>	ACCTGTTATTAACCCATTCA
S14.5	TAATTTGACTCAACACGGGG	<b>SR26Ste</b>	CCCAGRACATCTAAGGGCAT
S15	TAAGTGGTGGTGCATGGTC	<b>S26R</b>	CATCACTGACCTGTTATTGACC
<b>S15C</b>	TAAGTGGTGGTGCATGGCC	<b>SR30Ste</b>	ARGGCAGGGACGCATTCCG
S18	TCTTAGTTCGTGGAGTGG	S44R	CAGTCATGCCCTTAGATGTTT
<b>S18Phy</b>	TCTTAGTTCGTGGATTGATTTG	<b>SR50Dark</b>	AATCGGTAGCAGCGACGGG
<b>S18'</b>	ATTCCGATAACGAGCGAGAC	<b>SRBE</b>	TACCTTGTTACGACTTCTGC
<b>S26F</b>	CTTCTTAGACGTATCAGAGCC	SRB	GCCTAGAGGAAGCAGAAGTCG
<b>S44F</b>	GCCGATAAGGTTCTTGAAATGGG	Rib2	GGTAATCGTAGGTTAACCTGC
<b>S46F</b>	AGTCATGCCCTTAGATGTTT	RibB	GGTGAACCTGCAGAAGGATC
<b>S30Phy</b>	ACGAATGCGTCCCTGCCCT		

**B**

