Figure S1

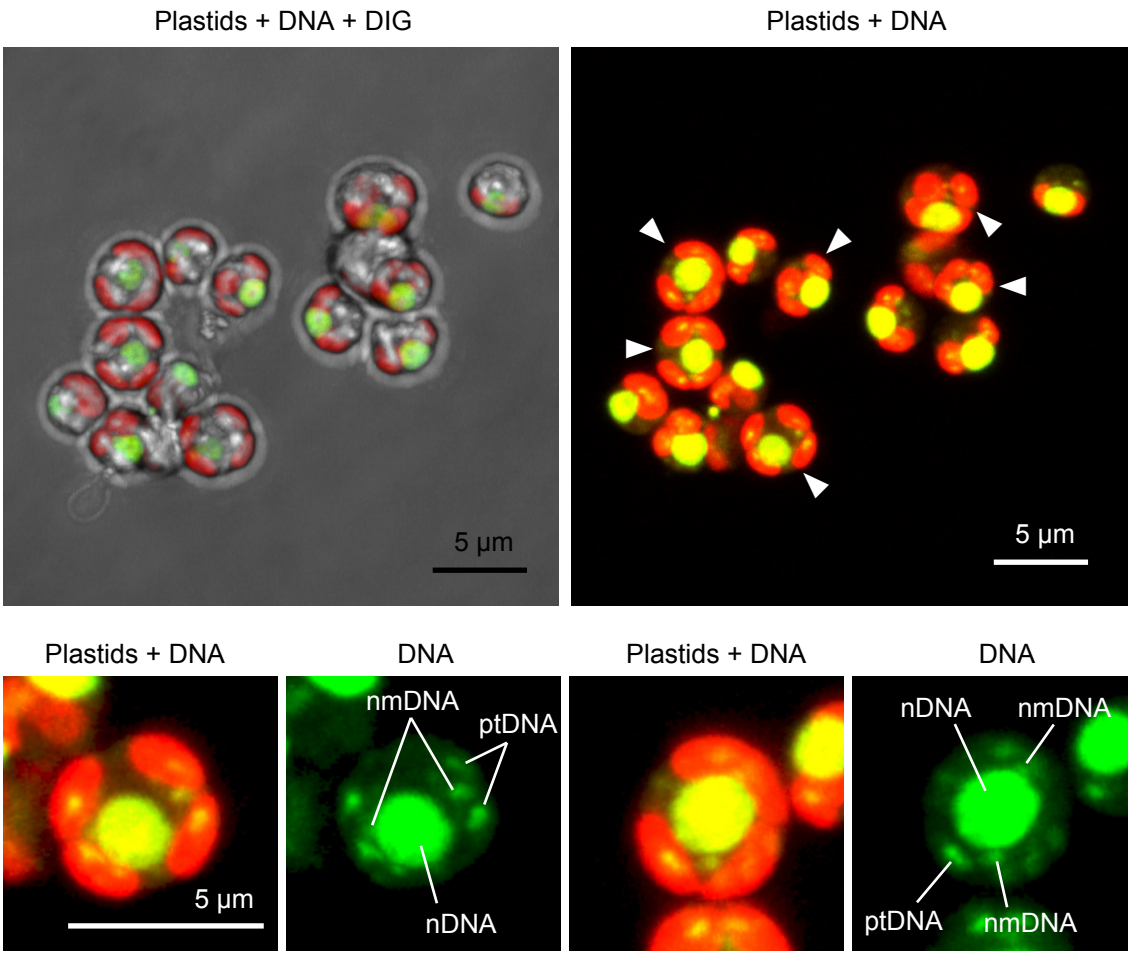

Figure S1. Three-dimensional images of plastid and DNA localization in *Bigelowiella natans* cells. The images were reconstructed from 17 scanning images obtained by a confocal laser microscope (Zeiss LSM 510). Red chlorophyll autofluorescence corresponds to plastids, and green/yellow fluorescence is showing DNA localization stained by SYBR Green. White allow heads indicate the cells possessing divided plastids.
nmDNA, nucleomorph DNA; ptDNA, plastid DNA; nDNA, nuclear DNA.

Table S1. Quantitative PCR primers for ribosomal protein genes of *Bigelowiella natans* and *Guillardia theta*

Organism	Target genome	Gene	Forward primer	Reverse primer
B. natans	**Nuclear**	rpL4	GAACATTCCTGGCGTTGAGG	CGCTTAGTGGAACCCCAGATAG
	Nuclear	rpL8	CCGCAACCCGTACAAATACAAG	GCATAGCCGAAAGAGGAAGAAC
	Nucleomorph	rpL4	ATAACTCTGGGAATCAAGTTTCAGC	TTTTCGTGTACCTGATCCCTTTATC
	Nucleomorph	rpL8	GCCTTTGTCGGTGTTCTTTCTC	TACTTACCGCCACCTGCTACAAC
	Mitochondrial	rpL5	AGGGCCTTTGATACAGGAATTTTAG	TCCAAGCGCATAGGCAAAC
	Mitochondrial	rpL16	TTAGTGGCCTAGAAGACAAAGCTG	GCTCATCGTAAACAAAACTGGTG
	Plastid	rpL5	ATTTAGCTCTGCCAAGAGTACGTG	GACCCAAACTAAAGTTACCACAACC
	Plastid	rpL16	ACCTATTACTTTCCGTCCACCAG	GATCTGACAACTGAAACCCAAAG
G. theta	**Nuclear**	rpL8	GTCGTGGTGCTGGTTCTGTC	CCATTCCTCTCAGCAAAGTCC
	Nuclear	rpL15	CAACGATCCTCGCCTCAAC	ACCTGTGATTGCCGTGTCC
	Nucleomorph	rpL8	TCATCAACATATCGGTCATCCTTC	GGTTCGTCTTGCTCCTATTAAACC
	Nucleomorph	rpL15	AAAACCCACTAGACCAGAGAAAGC	ATGACTCTTAGGCTTACCCGTTG
	Plastid	rpL5	AAATTAGAGAAGGTATGCCTGTTGG	CGAATACGCGGTAAAGAAAGATG
	Plastid	rpL16	TAAACGAGTTGGTCGATTGTGG	GCTCCCATTCTTGTTTCTGGTG