Supplementary Material (Mühlenhoff et al.)

Figure S1: Sub-cellular localisation of Nfs1p and Ntg2p-HA

Gal-NFS1 cells were transformed with a high-copy vector (p426GPD) for overproduction of the Ntg2p-hemagglutinin fusion protein. These cells also contained a low-copy vector (p414MET25) containing no gene (a, b), a truncated *NFS1* gene for production of Nfs1p lacking the first 83 amino acids (c, d) or a *NFS1* gene coding for Nfs1p with a mutated nuclear targeting signal (pTT-GSR-NFS1-h6; e, f). Cells were grown in minimal medium supplemented either with galactose to induce expression of the wild-type copy of *NFS1* (a, c, e) or with glucose to switch off wild-type *NFS1* expression (b, d, f). After 15 h cells were harvested and processed for *in situ* immunofluorescence. Cells were co-labelled with anti-Nfs1p antiserum, visualised with rhodamine-conjugated secondary antibodies (red) and with monoclonal antibodies against the hemagglutinin tag, visualised with fluorescein-conjugated secondary antibodies (green). DNA was stained with 4,6-diamino-2-phenylindole (blue, nuclei of cells that do not produce Ntg2p-HA). The three signals are merged into one image. Bar is 5 µm.

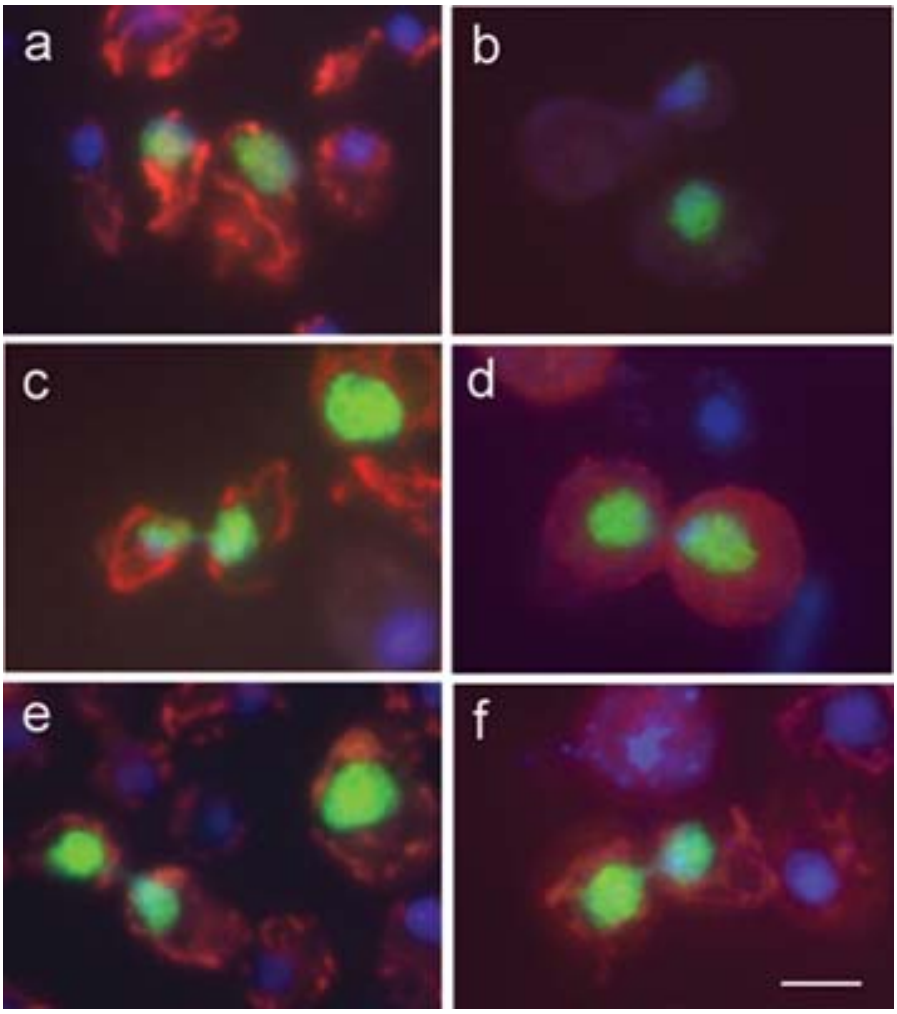

Table S1: Vector constructs for expression of Nfs1p in *S. cerevisiae* and *E. coli*

Name	Insert	Vector	Cloning sites	Reference
pNFS1	Su9-M_{85}-NFS1	p416MET	*Bam*HI, *Eco*RI	Kispal et al., 1999
pΔN–NFS1	M_{85}-NFS1	p416MET	*Bam*HI, *Eco*RI	Kispal et al., 1999
pTT-GSR-NFS1	R_{314}PR/G_{314}SR-NFS1-his6	pTT-GAP		Nakai et al. 2001
pF1β-F_{95}/L-NFS1	F1β(1-F_{40})-F_{95}/L-NFS1	p416MET	*Hind*III, *Xho*I	this work
pF1β-L_{102}-NFS1	F1β(1-F_{40})-L_{102}-NFS1	p416MET	*Hind*III, *Xho*I	this work
pET15b-NFS1	S_{68}/M-NFS1	pET15b	*Nde*I, *Xho*I	this work
pM_{68}-NFS1	S_{68}/M-NFS1	pUC19	*Xba*I, *Eco*RI	this work
pM_{93}-NFS1	T_{93}/M-NFS1	pUC19	*Xba*I, *Eco*RI	this work
pM_{102}-NFS1	Y_{102}/M-NFS1	pUC19	*Sph*I, *Bam*HI	this work