

Table 2. Nucleoporin (nup) homologs and associated fold types

Gene name	Yeast	Human	Folds
yPom34	Q12445	NF	TMH
yNdc1	P32500	Q9NVZ7	TMH
yPom152	P39685	Q6ZU81	TMH, Cadherin
vPom121	NF	Q9Y2N3	TMH, FG
ySec13	Q04491	P55735	β -propeller
ySeh1	P53011	Q96EE3	β -propeller
yNup145C	P49687	P52948	α -solenoid
yNup84	P52891	Q6PJE1	α -solenoid
yNup85	P46673	Q8NDI4	α -solenoid
yNic96	P34077	Q8N1F7	α -solenoid
yNup188	P52593	Q5SRE5	α -solenoid
yNup192	P47054	Q92621	α -solenoid
yNup120	P35729	Q12769	β -propeller, α -solenoid
yNup133	P36161	Q8WUM0	β -propeller, α -solenoid
yNup157	P40064	O75694	β -propeller, α -solenoid
yNup170	P38181	O75694	β -propeller, α -solenoid
yNup82	P40368	Q13597	β -propeller, CC
yNup159	P40477	P35658	β -propeller, CC, FG
yNup49	Q02199	vNup54	FG, CC
yNup57	P48837	Q7Z3B4	FG, CC
yNsp1	P14907	P37198	FG, CC
yNup145N	P49687	P52948	FG, Nup98
yNup100	Q02629	P52948	FG, Nup98
yNup116	Q02630	P52948	FG, Nup98
yNup53	Q03790	Q8NFH5	FG,RRM
yNup59	Q05166	Q8NFH5	FG,RRM
yNup42	P49686	Q53Z40	FG
yNup60	P39705	P49790	FG
yNup1	P20676	P49790	FG, zinc-finger (human only)
vNup37	NF	Q8NFH4	β -propeller
vNup43	NF	Q8NFH3	β -propeller
AAAS	NF	Q9NRG9	β -propeller
yNup358	NF	P49792	TPR, RanBD, zinc-fingers, cyclophilin-like

Fold types for *Saccharomyces cerevisiae* (yeast) and *Homo sapiens* (human) nups: TMH, transmembrane helix; CC, coiled coil; FG, FG repeat; Nup98, the autocatalytic domain of Nup98; RRM, RNA recognition motif; TPR, tetratricopeptide repeat. The presumed orthologs are indicated by their UniProt identifiers (1). NF, not found. y, yeast. v, vertebrate.

1. Bairoch, A., Apweiler, R., Wu, C. H., Barker, W. C., Boeckmann, B., Ferro, S., Gasteiger, E., Huang, H., Lopez, R., Magrane, M., *et al.* (2005) *Nucleic Acids Res.* **33**, D154–D159.