

Suppl. Table 1. Concentration of standard proteins. The concentration of each purified protein was determined by two independent methods. The amount of proteins applied to generate standard curves was calculated based on mean of the two values. Bradford-assay (Bio-Rad), DC protein-assay (Bio-Rad), and BCA-assay (Sigma) were performed according to the manufacturers' manual with bovine serum albumin as a standard. The concentration of His₆-Nat1 was determined with the DC protein-assay (Bio-Rad), which can be performed in the presence of detergent. The concentrations of His₆-Asc1, His₆-Ard1 and His₆-Ssb1 were calculated from UV-absorption at 280 nm using molar extinction coefficients at 280 nm: $\epsilon(\text{His}_6\text{-Asc1}) = 71056 \text{ M}^{-1} \text{ cm}^{-1}$, $\epsilon(\text{His}_6\text{-Ard1}) = 23506 \text{ M}^{-1} \text{ cm}^{-1}$, and $\epsilon(\text{His}_6\text{-Ssb1}) = 19099 \text{ M}^{-1} \text{ cm}^{-1}$. Absorption at 280 nm could not be applied as a method for protein quantification when purification was performed under denaturing conditions, as urea interfered with measurements.

		Protein concentration in standard protein samples [$\mu\text{g}/\mu\text{l}$]				
Protein	Purification conditions	Bradford	BCA	A280	DC	mean
His ₆ -Rps9a	denatured	2.22	2.14	-	-	2.18
His ₆ -Asc1	native	1.11		1.03	-	1.07
His ₆ -Rpl39	denatured	0.37	0.33	-	-	0.35
His ₆ -Rpl17a	denatured	0.46	0.35	-	-	0.41
His ₆ -Nat1	denatured	-	0.80	-	0.99	0.90
His ₆ -Ard1	native	0.31	-	0.30	-	0.31
His ₆ -Map1	denatured	0.17	0.197	-	-	0.18
His ₆ -Map2	denatured	0.66	0.58	-	-	0.62
RAC	native	2.10	2.37	-	-	2.24
His ₆ -Ssb1	native	-	-	5.28	5.59	5.44
NAC	native	0.18	0.24	-	-	0.21
His ₆ -Srp54	denatured	1.11	1.03	-	-	1.07