

Supplemental Table 5: Affinity purification tags and additional amino acids encoded in expression clones

plasmids	peptide fusions
pUCDM-mCherry	MVLA – mCherry
pUCDM-YFP	eYFP-RSI
pFL -Strep-hPcf11 -His ₆ -hClp1	MWSHPQFEKARGA-hPcf11 MAHHHHHHH-hClp1
pFBDM -Strep-CstF1 (CstF-50) -CstF2 (CstF-64) -His ₈ -CstF3 (CstF-77)	MWSHPQEKDP-CstF1 (aa2-431) CstF2 MSHHHHHHHHGDP-CstF3 (aa2-717)
pKL -His ₈ -CPSF5 (CFI-25) -Strep-CPSF6 (CFI-68)	MSHHHHHHHHGDP-CPSF5 (aa 2-227) MWSHPQFEKG-CPSF6
pKL -His ₈ -CFI-25 (CPSF5) -Strep-CF-I68 (CPSF6)	MSHHHHHHHHGDP-CPSF5 (aa 2-227) MWSHPQFEKG-CPSF6
pET Sumo-hPcf11 zcz	MGSSHHHHHHHGSG-thrombin site-AS -Sumo-Pcf11 (aa 1340-1487)
pGEX-6P-1-hPcf11 zcz	GST-PreScission site-LGS-Pcf11 (aa 1340-14879)

N- or C-terminal extensions are listed in single letter code. CF II variants with point mutations in hClp1 carried the same N-terminal tags as listed here for the wild-type. CF II variants with N-terminal deletions of hPcf11 had the same tag on hClp1 and nothing but the additional methionine on hPcf11.