





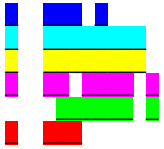


**Supplementary File 1. Ligand binding sites mapped on the sequence of wN protein aligned with the closest homologs found in UniProt.**

Ligand BS:

	N-2~,N-2~-DIMETHYL-N-1~-(6-OXO-5,6-DIHYDROPHENANTHRIDIN-2-YL)GLYCINAMIDE (4KXJ-P34, OC43)
	ADENOSINE MONOPHOSPHATE (4LI4-AMP, OC43)
	URIDINE-5'-MONOPHOSPHATE (4LM7-U5P, OC43)
	GUANOSINE-5'-MONOPHOSPHATE (4LM9-5GP, OC43)
	CYTIDINE-5'-MONOPHOSPHATE (4LMC-C5P, OC43)
	6-chloranyl-7-(2-morpholin-4-ylethylamino)quinoline-5,8-dione (4LMT-CQD,OC43)

CLUSTAL O(1.2.4) multiple sequence alignment

			
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SP P59595 NCAP_CVHSA	MSDNGPQSNQRSAPRITFGGPTDSTDNNQNGGRNGARPKQRRPQGLPNNTASWFTALTQH	60	
TR Q6UZF2 Q6UZF2_CVHSA	MSDNGPQSNQRSAPRITFGGPTDSTDNNQNGGRNGARPKQRRPQGLPNNTASWFTALTQH	60	
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TR Q6UZF2 Q6UZF2_CVHSA	GKEELRFPRQGQVPINTNSGPDDQIGYYRRATRRVRGGDGKMKELSPRWYFYLLGTGPEA	120	
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TR|A0A0U1UZD6|A0A0U1UZD6_CVHSA YKTFPPTEPKKDKKKKTDEAQPLPQRK-KQPTVTLLPAADMDDFSRQLQNSMSGASADST 418
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