

8. Přílohy

8.1. Příloha 1

Porovnání NtHsp90_MT s AtHsp90, vyznačena je ATP-vazebná doména, KE-bohatá doména a C-terminální doména

			ATP doména	
NtHsp90	1	MAEAETFQAEINQLLSLIINTFYSNKEIFLRELISNSSDALDKIRFESLTDKSKLDAQ	60	
AtHsp90	6	MA+AETFQAEINQLLSLIINTFYSNKEIFLRELISNSSDALDKIRFESLTDKSKLDQ	65	
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NtHsp90	61	PELFIHIIPDKTNNSLTIIDSGIGMTKADLVNNLGTIARSGTKEFMEALAGADVSMIGQ	120	
AtHsp90	66	PELFI ++PDK+N +L+IIDSGIGMTKADLVNNLGTIARSGTKEFMEAL AGADVSMIGQ	125	
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NtHsp90	121	FGVGFYSAYLVAEKVIVTTKHNDDEQYVWESQAGGSFTVTRDTSGENLGRGTKITLFLKE	180	
AtHsp90	126	FGVGFYSAYLVAEKVVVTTKHNDDEQYVWESQAGGSFTVTRDGDGEPLGRGTKITLFLKD	185	
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			KE-bohatá doména	
NtHsp90	181	DQLEYLEERRLKDLIKKHSEFISYPIISLWVEKTIEKEISDDEEEEEKDEEGKVEEVDEE	240	
AtHsp90	186	DQLEYLEERRLKDLVKKHSEFISYPIYLWTEKTTEKEISDDEDEDEPKKENEGEVEEVDE	245	
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NtHsp90	241	KEMEEKKKKKVKE-VSNEWSLVNKQKPIWMRKPDEITKEEYAAFYKSLTNDWEEHMAVKH	299	
AtHsp90	246	++ ++ KKKK + VS+EW L+NKQKPIW+RKP+EITKEEYAAFYKSLTNDWE+H+AVKH	305	
NtHsp90	300	FSVEGQLEFKAILFVPKRAPFDLFDTRKKPNNIKLYVRRVFIMDNCEELIPEYLSFVKGI	359	
AtHsp90	306	FSVEGQLEFKAILFVPKRAPFDLFDTRKKLNNIKLYVRRVFIMDNCEELIPEYLSFVKGV	365	
NtHsp90	360	VSDLDPLNISREMLQQNKILKVIKRNLVKKCVLFFEIAENKEDYKIFYEAFSKNLKLG	419	
AtHsp90	366	VSDLDPLNISRETLQQNKILKVIKRNLVKKCIEMFNEIAENKEDYTKIFYEAFSKNLKLG	425	
NtHsp90	420	IHEDSQNRSKFAELRLRYHSTKSGDEMTSLKDYVTRMKEGQNDIYYITGESKKAVENTPFL	479	
AtHsp90	426	IHEDSQNR K A+LLRYHSTKSGDEMTS KDYVTRMKEGQ DI+YITGESKKAVENTPFL	485	
NtHsp90	480	EKLKKGGEVLYMVDIDAIDEYSIGQLKEFEGKLVSATKEGL-KLDESEDEKKKQEELEKE	538	
AtHsp90	486	E+LKK+GYEVLYMVDIDAIDEY++GQLKE++GKLVSATKEGL DE+E+EKKK+EE K+	545	
NtHsp90	539	FEGLCVKIKDVLGDKVEKVVSDRVVSDPCCCLVTGEYGTANMERIMKAQALRDSSMAGY	598	
AtHsp90	546	FE LCK IK++LGDKVEKVVSDR+VSDPCCCLVTGEYGTANMERIMKAQALRDSSMSGY	605	
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			terminální doména	
NtHsp90	599	MSSKKTMEINPENAIMHEELKRADADKNDKSVKDLVLLLFETALLTSGFSLPEPNTFGNR	658	
AtHsp90	606	MSSKKTMEINPDNGIMEELKRADADKNDKSVKDLVLLLYETALLTSGFSLPEPNTFAAR	665	
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NtHsp90	659	IHRMLKLGSLIDDDSG-DADVDMPALEDEPEADAEGSKMEEVD	699	
AtHsp90	666	IHRMLKLGSLID+D + D DMP LE E AE SKMEEVD	705	
AtHsp90	666	IHRMLKLGSLIDEDENVEEDGDMPELE--EDAAEESKMEEVD	705	

8.2. Příloha 2

Sekvence šesti kandidátních úseků NtHsp90_MT, vyznačená zeleně, na předloze kompletní sekvence NtHsp90_MT

1. úsek

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