

Gene Cluster ID	Atp6v0b
Drosophila melanogaster gene	VhaPPA1-1 (CG7007)
FlyBase ID	<a href="#">FBgn0028662</a>
Predicted function	ATPase, H+ transporting, lysosomal 21kDa, V0 subunit b
Atp6v0c CLEAR element conservation:	
<div> <div>5' / 5' UTR</div> <div> <div>Mdom\</div> <div>AGCAGCACTTGA</div> <div>TCATGTGA</div> <div>TTAAGGCTGAAA</div> </div> </div> <div> <div>Ccap\</div> <div>GAAATTGTTTC</div> <div>ATCAGCTGA</div> <div>TGCAAGGC GAAT</div> </div> <div> <div>Ccap\</div> <div>GTTGTTTTTCTG</div> <div>TCATGTGA</div> <div>TGAGTAAAGTTT</div> </div> <div> <div>Gmor\</div> <div>TGCAACACTTC</div> <div>ATCATGTGA</div> <div>TTAAATGAAGAA</div> </div> <div> <div>Llon\</div> <div>GACTTCACACCA</div> <div>TCACGTGA</div> <div>AAAATTCTTCGAT</div> </div> <div> <div>Ppap\</div> <div>AGCTGACATCA</div> <div>ATCACGTGA</div> <div>AAAGTGGCCGTC</div> </div> <div> <div>Agam\</div> <div>T</div> <div>TC</div> <div>TT</div> <div>TG</div> <div>CT</div> <div>CGG</div> <div>TC</div> <div>AT</div> <div>TGA</div> <div>CG</div> <div>TC</div> <div>TT</div> <div>GAT</div> <div>C</div> <div>TT</div> </div> <div> <div>Aara\</div> <div>T</div> <div>TC</div> <div>TT</div> <div>TG</div> <div>CT</div> <div>CGG</div> <div>TC</div> <div>AT</div> <div>TGA</div> <div>CG</div> <div>TC</div> <div>TT</div> <div>GAT</div> <div>C</div> <div>TT</div> </div> <div> <div>Aqan\</div> <div>T</div> <div>TC</div> <div>TT</div> <div>TG</div> <div>CT</div> <div>CGG</div> <div>TC</div> <div>AT</div> <div>TGA</div> <div>CG</div> <div>TC</div> <div>TT</div> <div>GAT</div> <div>C</div> <div>TT</div> </div> <div> <div>Achr\</div> <div>T</div> <div>TC</div> <div>TT</div> <div>TCT</div> <div>CGG</div> <div>TC</div> <div>AT</div> <div>TGA</div> <div>CG</div> <div>TC</div> <div>TT</div> <div>GAT</div> <div>C</div> <div>TT</div> </div> <div> <div>Aepi\</div> <div>CT</div> <div>CT</div> <div>TTT</div> <div>CT</div> <div>TGG</div> <div>TC</div> <div>AT</div> <div>TGA</div> <div>CG</div> <div>TC</div> <div>TT</div> <div>GAT</div> <div>C</div> <div>TT</div> </div> <div> <div>Amin\</div> <div>CT</div> <div>CT</div> <div>TTT</div> <div>CT</div> <div>CGG</div> <div>TC</div> <div>AT</div> <div>TGA</div> <div>CG</div> <div>TC</div> <div>TT</div> <div>GAT</div> <div>C</div> <div>TT</div> </div> <div> <div>Afun\</div> <div>CT</div> <div>CT</div> <div>TTT</div> <div>CT</div> <div>CGG</div> <div>TC</div> <div>AT</div> <div>TGA</div> <div>CG</div> <div>TC</div> <div>TT</div> <div>GAT</div> <div>C</div> <div>TT</div> </div> <div> <div>Aste\</div> <div>CT</div> <div>CT</div> <div>TTT</div> <div>CT</div> <div>CGG</div> <div>TC</div> <div>AT</div> <div>TGA</div> <div>CG</div> <div>TC</div> <div>CA</div> <div>GAT</div> <div>C</div> <div>TT</div> </div> <div> <div>Adir\</div> <div>T</div> <div>CT</div> <div>C</div> <div>TTTT</div> <div>TC</div> <div>CGG</div> <div>TC</div> <div>AT</div> <div>TGA</div> <div>CA</div> <div>TC</div> <div>GAG</div> <div>AG</div> <div>AT</div> <div>C</div> </div> <div> <div>Anil\</div> <div>T</div> <div>A</div> <div>T</div> <div>C</div> <div>TTTT</div> <div>CT</div> <div>G</div> <div>TC</div> <div>AT</div> <div>TGA</div> <div>CA</div> <div>TC</div> <div>GGG</div> <div>A</div> <div>CA</div> <div>T</div> </div> <div> <div>Aalb\</div> <div>CT</div> <div>TC</div> <div>TTT</div> <div>GC</div> <div>GGG</div> <div>TC</div> <div>AT</div> <div>TGA</div> <div>CA</div> <div>TC</div> <div>GGG</div> <div>A</div> <div>TC</div> <div>TT</div> </div> <div> <div>Adar\</div> <div>CT</div> <div>TC</div> <div>TTT</div> <div>GC</div> <div>GGG</div> <div>TC</div> <div>AT</div> <div>TGA</div> <div>CA</div> <div>TC</div> <div>GGG</div> <div>A</div> <div>TC</div> <div>TT</div> </div> <div> <div>Aaeg\</div> <div>T</div> <div>CT</div> <div>C</div> <div>TG</div> <div>TGG</div> <div>TC</div> <div>AT</div> <div>TGA</div> <div>CA</div> <div>TC</div> <div>AA</div> <div>AG</div> <div>AT</div> <div>C</div> </div> <div> <div>Cqui\</div> <div>C</div> <div>AG</div> <div>T</div> <div>GAG</div> <div>G</div> <div>GG</div> <div>TC</div> <div>AT</div> <div>TGA</div> <div>T</div> <div>A</div> <div>C</div> <div>G</div> <div>GGG</div> <div>A</div> <div>T</div> </div> <div> <div>Mdes\</div> <div>T</div> <div>G</div> <div>C</div> <div>G</div> <div>CA</div> <div>A</div> <div>T</div> <div>C</div> <div>T</div> <div>C</div> <div>G</div> <div>TC</div> <div>CA</div> <div>T</div> <div>G</div> <div>A</div> </div> <div> <div>TT</div> <div>TC</div> <div>AT</div> <div>TC</div> <div>AT</div> </div> <div> <div>Bmor\</div> <div>G</div> <div>A</div> <div>C</div> <div>A</div> <div>T</div> <div>C</div> <div>T</div> <div>T</div> <div>G</div> <div>T</div> <div>G</div> <div>A</div> <div>T</div> <div>C</div> <div>A</div> <div>A</div> <div>G</div> </div> <div> <div>CC</div> <div>TC</div> <div>T</div> <div>C</div> <div>CG</div> <div>T</div> <div>TT</div> <div>T</div> </div> <div> <div>Msex\</div> <div>G</div> <div>A</div> <div>C</div> <div>A</div> <div>T</div> <div>C</div> <div>T</div> <div>T</div> <div>G</div> <div>T</div> <div>G</div> <div>A</div> <div>T</div> <div>C</div> <div>A</div> <div>A</div> <div>G</div> </div> <div> <div>CC</div> <div>TC</div> <div>T</div> <div>C</div> <div>CG</div> <div>T</div> <div>TT</div> <div>T</div> </div> <div> <div>Hmel\</div> <div>G</div> <div>A</div> <div>C</div> <div>A</div> <div>T</div> <div>C</div> <div>T</div> <div>T</div> <div>G</div> <div>T</div> <div>G</div> <div>A</div> <div>T</div> <div>C</div> <div>A</div> <div>A</div> <div>G</div> </div> <div> <div>CT</div> <div>TC</div> <div>C</div> <div>CG</div> <div>T</div> <div>TT</div> <div>T</div> </div> <div> <div>Dple\</div> <div>G</div> <div>A</div> <div>C</div> <div>G</div> <div>T</div> <div>C</div> <div>T</div> <div>T</div> <div>G</div> <div>T</div> <div>G</div> <div>A</div> <div>T</div> <div>C</div> <div>A</div> <div>A</div> <div>G</div> </div> <div> <div>CT</div> <div>TC</div> <div>C</div> <div>CG</div> <div>T</div> <div>TT</div> <div>T</div> </div> <div> <div>Pxyl\</div> <div>G</div> <div>A</div> <div>C</div> <div>A</div> <div>T</div> <div>C</div> <div>T</div> <div>T</div> <div>G</div> <div>T</div> <div>G</div> <div>A</div> <div>T</div> <div>C</div> <div>A</div> <div>A</div> <div>G</div> </div> <div> <div>CT</div> <div>TC</div> <div>C</div> <div>CG</div> <div>T</div> <div>TT</div> <div>T</div> </div> <div> <div>Tcas\</div> <div>g</div> <div>c</div> <div>a</div> <div>a</div> <div>g</div> <div>t</div> <div>t</div> <div>g</div> <div>t</div> <div>a</div> <div>c</div> <div>T</div> <div>C</div> <div>A</div> <div>G</div> <div>T</div> <div>G</div> </div> <div> <div>A</div> <div>g</div> <div>t</div> <div>c</div> <div>c</div> <div>a</div> <div>a</div> <div>t</div> <div>t</div> <div>a</div> <div>t</div> </div> <div> <div>Dpon\</div> <div>t</div> <div>t</div> <div>t</div> <div>g</div> <div>a</div> <div>c</div> <div>a</div> <div>t</div> <div>t</div> <div>a</div> <div>T</div> <div>C</div> <div>A</div> <div>T</div> <div>G</div> <div>T</div> <div>G</div> </div> <div> <div>A</div> <div>t</div> <div>a</div> <div>t</div> <div>t</div> <div>g</div> <div>t</div> <div>c</div> <div>a</div> <div>t</div> <div>c</div> <div>a</div> </div> <div> <div>Amel\</div> <div>T</div> <div>A</div> <div>A</div> <div>G</div> <div>A</div> <div>T</div> <div>A</div> <div>A</div> <div>C</div> <div>G</div> <div>T</div> <div>C</div> <div>A</div> <div>T</div> <div>G</div> <div>A</div> </div> <div> <div>T</div> <div>A</div> <div>A</div> <div>A</div> <div>C</div> <div>G</div> <div>G</div> <div>T</div> <div>G</div> </div> <div> <div>Aflo\</div> <div>T</div> <div>A</div> <div>A</div> <div>G</div> <div>A</div> <div>T</div> <div>A</div> <div>A</div> <div>C</div> <div>G</div> <div>T</div> <div>C</div> <div>A</div> <div>T</div> <div>G</div> <div>A</div> </div> <div> <div>T</div> <div>A</div> <div>A</div> <div>A</div> <div>C</div> <div>G</div> <div>G</div> <div>T</div> <div>G</div> </div> <div> <div>Bter\</div> <div>G</div> <div>A</div> <div>A</div> <div>T</div> <div>A</div> <div>A</div> <div>C</div> <div>G</div> <div>T</div> <div>C</div> <div>A</div> <div>T</div> <div>G</div> <div>A</div> </div> <div> <div>T</div> <div>A</div> <div>A</div> <div>A</div> <div>C</div> <div>G</div> <div>G</div> <div>T</div> <div>G</div> </div> <div> <div>Bimp\</div> <div>G</div> <div>A</div> <div>A</div> <div>T</div> <div>A</div> <div>A</div> <div>C</div> <div>G</div> <div>T</div> <div>C</div> <div>A</div> <div>T</div> <div>G</div> <div>A</div> </div> <div> <div>T</div> <div>A</div> <div>A</div> <div>A</div> <div>C</div> <div>G</div> <div>G</div> <div>T</div> <div>G</div> </div> <div> <div>Mrot\</div> <div>G</div> <div>A</div> <div>T</div> <div>T</div> <div>G</div> <div>C</div> <div>T</div> <div>A</div> <div>G</div> <div>C</div> <div>T</div> <div>A</div> <div>T</div> <div>G</div> </div> <div> <div>T</div> <div>A</div> <div>G</div> <div>A</div> <div>C</div> <div>G</div> <div>G</div> <div>T</div> <div>G</div> </div> <div> <div>Aech\</div> <div>T</div> <div>A</div> <div>C</div> <div>G</div> <div>A</div> <div>G</div> <div>C</div> <div>T</div> <div>C</div> <div>G</div> <div>T</div> <div>C</div> <div>A</div> <div>T</div> <div>G</div> </div> <div> <div>C</div> <div>A</div> <div>G</div> <div>C</div> <div>G</div> <div>G</div> <div>T</div> <div>G</div> </div> <div> <div>Pbar\</div> <div>C</div> <div>T</div> <div>C</div> <div>G</div> <div>A</div> <div>G</div> <div>C</div> <div>T</div> <div>C</div> <div>G</div> <div>T</div> <div>C</div> <div>A</div> <div>T</div> <div>G</div> </div> <div> <div>C</div> <div>A</div> <div>G</div> <div>C</div> <div>G</div> <div>G</div> <div>T</div> <div>G</div> </div> <div> <div>Cflo\</div> <div>A</div> <div>G</div> <div>C</div> <div>C</div> <div>A</div> <div>G</div> <div>C</div> <div>T</div> <div>C</div> <div>G</div> <div>T</div> <div>C</div> <div>A</div> <div>T</div> <div>G</div> </div> <div> <div>C</div> <div>G</div> <div>G</div> <div>C</div> <div>G</div> <div>G</div> <div>T</div> <div>G</div> </div> <div> <div>Lhum\</div> <div>C</div> <div>G</div> <div>C</div> <div>A</div> <div>T</div> <div>C</div> <div>A</div> <div>G</div> <div>T</div> <div>C</div> <div>G</div> <div>T</div> <div>C</div> <div>A</div> <div>T</div> </div> <div> <div>T</div> <div>A</div> <div>T</div> <div>C</div> <div>G</div> <div>A</div> <div>C</div> <div>G</div> <div>G</div> <div>T</div> <div>G</div> </div> <div> <div>Hsal\</div> <div>A</div> <div>G</div> <div>A</div> <div>C</div> <div>C</div> <div>T</div> <div>T</div> <div>G</div> <div>T</div> <div>G</div> <div>T</div> <div>C</div> <div>A</div> <div>T</div> <div>G</div> </div> <div> <div>T</div> <div>A</div> <div>C</div> <div>G</div> <div>A</div> <div>C</div> <div>G</div> <div>G</div> <div>T</div> <div>G</div> </div> <div> <div>Acep\</div> <div>G</div> <div>T</div> <div>G</div> <div>A</div> <div>C</div> <div>A</div> <div>T</div> <div>G</div> <div>C</div> <div>A</div> <div>T</div> <div>G</div> <div>A</div> </div> <div> <div>T</div> <div>T</div> <div>T</div> <div>A</div> <div>G</div> <div>A</div> <div>A</div> <div>G</div> <div>A</div> <div>G</div> </div> <div> <div>Sinv\</div> <div>C</div> <div>C</div> <div>G</div> <div>A</div> <div>G</div> <div>T</div> <div>G</div> <div>T</div> <div>C</div> <div>G</div> <div>T</div> <div>C</div> <div>A</div> <div>T</div> </div> <div> <div>C</div> <div>C</div> <div>A</div> <div>C</div> <div>A</div> <div>T</div> <div>G</div> <div>A</div> <div>C</div> <div>G</div> </div>	

Ngir\ CAGAGATGGTCGTCACATGACAGCGACGGGTG  
 Nlon\ CAGAGATGGTCGTCACATGACAGCGACGGGTG  
 Nvit\ CAGAGATGGTCGTCACATGACAGCGACGGGTG  
  
 Lful\ caagtcttaaagTCACATGAttatttagagca  
 Phum\ ggttgctcgaagTCATATGActtctgcttaaa  
 Dpul\ gtgagacaaaaTCACATGAcagatcccttcc  
 Isca\ ggggtgacttgTCATGGGAcctcatctgtct

### Atp6v0b gene structure comparisons:

(Click on orthologs for genomic, mRNA and protein sequence informations)

Key: UTR region, CDS region

Order	Species	Atp6v0b orthologs	5' exon	intron	exon3'			Extended CLEAR region	Position	bps from TSS
Diptera (Drosophilidae)	<i>Drosophila_melanogaster</i>	<a href="#">Dmel\VhaPPA1-1</a>	124	59	19	639	502	agaaaatgtacgTCATGTGAttgtggattctt	5'UTR	47
Diptera (Muscidae)	<i>Musca_domestica</i>	<a href="#">Mdom\Atp6v0b</a>				636		agcagcacttgaTCATGTGAttaaggctgaaa	5'UTR?	>-190
Diptera ( Tephritidae)	<i>Ceratitis_capitata</i>	<a href="#">Ccap\Atp6v0b</a>	26	92	22	639	159	gaaattgtttcaTCAGCTGAtgcaaggcgaatgttgttttctgTCATGTGAtgagtaaagttt	5' 5'	-507 -25
Diptera (Glossinidae)	<i>Glossina_morsitans</i>	<a href="#">Gmor\ATP6V0b-1 TMP003354*</a>			113	636	21+70+160	tgcaaacactcaTCATGTGAttaaatgaagaa	5'	66
		<a href="#">Gmor\ATP6V0b-2 TMP003353</a>				648		ND		
Diptera (Psychodidae)	<i>Lutzomyia_longipalpis</i>	<a href="#">Llon\Atp6v0b</a>			191	630	175	gacttcacaccaTCACGTGAaaattcttcgat	5'	-8
	<i>Phlebotomus_papatasi</i>	<a href="#">Ppap\Atp6v0b</a>				630		agctgacatcaaTCACGTGAaaagtggccgtc	5'	>-256
Diptera (Culicidae)	<i>Anopheles_gambiae</i>	<a href="#">Agam\Atp6v0b AGAP009334</a>	77	83	12	627	151+75+47	ttctttgctcggTCATATGAcgtcttgatctt	5'	-1
	<i>Anopheles_arabiensis</i>	<a href="#">Aara\Atp6v0b</a>				627		ttctttgctcggTCATATGAcgtcttgatctt	5'	>-173
	<i>Anopheles_quadriannulatus</i>	<a href="#">Aqan\Atp6v0b</a>				627		ttctttgctcggTCATATGAcgtcttgatctt	5'	>-173
	<i>Anopheles_christyi</i>	<a href="#">Achr\Atp6v0b</a>				627		ttcttttctcggTCATATGAcgtcttgatctt	5'	>-163
	<i>Anopheles_epiroticus</i>	<a href="#">Aepi\Atp6v0b</a>				627		ctcttttcttggTCATATGAcgtcttgatctt	5'	>-157
	<i>Anopheles_minimus</i>	<a href="#">Amin\Atp6v0b</a>				627		ctcttttctcggTCATATGAcgtcttgatctt	5'	>-148
	<i>Anopheles_funestus</i>	<a href="#">Afun\Atp6v0b</a>				627		ctcttttctcggTCATATGAcgtcttgatctt	5'	>-147
	<i>Anopheles_stephensi</i>	<a href="#">Aste\Atp6v0b</a>			10	627		ctcttttctcggTCATATGAcgtccagatctt	5'	>-152
	<i>Anopheles_dirus</i> A	<a href="#">Adir\Atp6v0b</a>				627		tctctttttcggTCATATGAcatcgagagatc	5'	>-160
	<i>Anopheles_nili</i>	<a href="#">Anil\Atp6v0b</a>				627		tatctttttctggTCATATGAcatcgggaacat	5'	>-157
	<i>Anopheles_albimanus</i>	<a href="#">Aalb\Atp6v0b</a>				627		cttctttgcgggTCATATGAcatcgggatctt	5'	>-121

	<i>Anopheles_darlingi</i>	<a href="#">Adar\Atp6v0b</a>				627											cttctttgcgggTCATATGAcatcgggatctt				5'	>-119
	<i>Aedes_aegypti</i>	<a href="#">Aaeg\Atp6v0b AAEL012113</a>	54	77	15	627										55+62+179	tctctctgtgggTCATATGAcatcaaaggatc				5'	-16
	<i>Culex_pipiens_qui.</i>	<a href="#">Cqui\Atp6v0b CPI004794</a>				627										59+67+441	cagtgaggagggTCATATGAtacacgggggat				5'	>-155
Diptera (Cecidomyiidae)	<i>Mayetiola_destructor</i>	<a href="#">Mdes\Atp6v0b</a>				624											tgcgcaatctcgTCACATGAttttcatacat attttgctgctgTCACATGAaataacatcaga				5' 5'	>-241 >-211
	Lepidoptera	<i>Bombyx_mori</i>	<a href="#">Bmor\Atp6v0b</a>			132	618											gacatcttgtaTCAACAAGAcctctccgtttt				5'UTR
<i>Manduca sexta</i>		<a href="#">Msex\Atp6v0b</a>				618											gacatcttgtaTCAACAAGAcctctccgtttt				5'	>-110
<i>Danaus_plexippus</i>		<a href="#">Dple\Atp6v0b</a>				618											gacgtcttgtaTCAACAAGActctcgtttt				5'	>-107
<i>Heliconius_melpomene</i>		<a href="#">HmeI\Atp6v0b</a>				618											gacatcttgtaTCAACAAGActtctccgtttt				5'	>-109
<i>Plutella_xylostella</i>		<a href="#">Pxyl\Atp6v0b</a>			93	618										31	gacatcttgtaTCAACAAGActtctctcta				5'	>-14
Strepsiptera	<i>Mengenilla_moldrzyki</i>	<a href="#">Mmol\Atp6v0b</a>				61	49	49	1722	84	50	148	52	243		ND		ND				
Coleoptera	<i>Tribolium_castaneum</i>	<a href="#">Tcas\Atp6v0b TC000524</a>	138	54	11	630											gcaaggtgtgacTCACGTGAgtcgaattatta				5'UTR	26
	<i>Dendroctonus_ponderosae</i>	<a href="#">Dponl\Atp6v0b</a>			91	61	85	49	79	84	671	148	204	246	139	33	50	ttttgacatttaTCATGTGAttattgcatca cgtgatcaacagTCATATGAttccatttattt				5'UTR intron 1
Hymenoptera	<i>Apis_mellifera</i>	<a href="#">AmeI\Atp6vob GB17836</a>			181	61	151	49	79	84	66	397				64	33	65	taagagtaaacgTCACATGAtaaaacgggtg		5'UTR	7
	<i>Apis_florea</i>	<a href="#">Aflo\Atp6v0b</a>				61	151	49	83	84	62	397				63	33		taagagtaaacgTCACATGAtaaaacgggtg		5'UTR?	>-170
	<i>Bombus_terrestris</i>	<a href="#">Bter\Atp6v0b LOC100646695</a>				61	200	49	109	84	81	394				64	33		gaatactaaacgTCACATGAtaaaaacgggtg		5'	>-173
	<i>Bombus_impatiens</i>	<a href="#">Bimp\Atp6v0b</a>				61	201	49	117	84	97	394				64	33		gaatactaaacgTCACATGAtaaaaacgggtg		5'	>-173
	<i>Megachile_rotundata</i>	<a href="#">Mrrot\Atp6v0b</a>				61	167	49	94	84	75	397				82	33		gattgctagacgTCACATGAtagagacgggtg		5'	>-168
	<i>Acromyrmex_echinator</i>	<a href="#">Aech\Atp6v0b</a>				61	292	49	95	84	212	400				103	36		tacgagcagtcgTCACATGAcagcgacgggtg		5'	>-182
	<i>Atta_cephalotes</i>	<a href="#">Acep\Atp6v0b</a>				61	246	49	95	84	220	400				100	36		gtgacatgacagTCATATGAttttagaagg		5'	>-181
	<i>Solenopsis_invicta</i>	<a href="#">Sinv\Atp6v0b</a>			132	73	192	49	89	84	65	400				151	36		ccgaagtggctgTCATATGAccacacatgacg		5'	-47
	<i>Pogonomyrmex_barbatus</i>	<a href="#">Pbar\Atp6v0b</a>				61	267	49	93	84	80	400				130	33		ctcgagcagtcgTCACATGAcagcgacgggtg		5'	>-152
	<i>Camponotus_floridanus</i>	<a href="#">Cflo\Atp6v0b</a>				61	216	49	101	84	79	400				676	33		agccagcagtcgTCACATGAcggcgacgggtg		5'	>-159
	<i>Linepithema_humile</i>	<a href="#">Lhum\Atp6v0b</a>				61	173	49	100	84	77	400				322	33		cgccatcagtcgTCACATGAtatcgacgggtg		5'	>-163
	<i>Harpegnathos_saltator</i>	<a href="#">Hsal\Atp6v0b</a>				61	163	49	90	84	74	403				89	30		agaccttggttgTCACATGAtaacgacgggtg		5'	>-167
	<i>Nasonia_vitripennis</i>	<a href="#">Nvit\Atp6v0b NV12316</a>			118	67	99	49	117	84	84	400				82	36	661	cagagatggtcgTCACATGAcagcgacgggtg		5'	-52
	<i>Nasonia_giraulti</i>	<a href="#">Ngir\Atp6v0b</a>				67	99	49	115	84	84	400				82	36		cagagatggtcgTCACATGAcagcgacgggtg		5'	>-170
	<i>Nasonia_longicornis</i>	<a href="#">Nlon\Atp6v0b</a>				67	99	49	115	84	84	400				82	36		cagagatggtcgTCACATGAcagcgacgggtg		5'	>-172

Hemiptera	<i>Acyrtosiphon_pisum</i>	<a href="#">Apis\Atp6v0b ACYPI006833</a>			113	627														693		ND							
	<i>Rhodnius_prolixus</i>	<a href="#">Rpro\Atp6v0b</a>				633																ND							
Phthiraptera	<i>Pediculus_humanus</i>	<a href="#">Phum\Atp6v0b</a>				211				114	410								ggttgctcgaagTCATATGActtctgcttaaa	5'	>-78								
Odonata	<i>Ladona_fulva</i>	<a href="#">Lful\Atp6v0b</a>				61	995	49	87	84	1022	148		249	133?		1182	116		101	30?		aataagctctcaTCACGTGAAatgttctatga caagtcctaaagTCACATGAttatttagagca	5' 5'	>-394 >-72				
Crustacea	<i>Daphnia_pulex</i>	<a href="#">Dpu\Atp6v0b</a>			73	73	86	49	63	84	72	148(78+70)		64	130		64	116		68	30	220	gtgagacaaaaTCACATGAcagatcccttcc	5'	-33				
Ixodida	<i>Ixodes_scapularis</i>	<a href="#">Isca\Atp6v0b ISCW018464*</a>			70	67	134	49	ND	84	2804	203(78+70+55)			113	191 (79+46+66)			1876	39	302	gggtgtgacttgTCATGGGAcctcatctgtct	5'	26					
	<i>Homo_sapiens</i>	<a href="#">ATP6V0B</a>			111	67	692	49	241	84	128	78	210	70	113	52	201	191 (79+46+66)				764	27	293	ggTCACGTGGTaccggcgcaTCACGTGGgc				
Cnidaria	<i>Nematostella_vectensis</i>	<a href="#">_vlg200737</a>			87	79	268	49	110	84	881	78	7205	70	329	58	244	79	2104	46	169	66	73	30		taagcacaagtgTCACATGAgcaaggaggagaaa	5'UTR	1	
Placozoa	<i>Trichoplax_adhaerens</i>	<a href="#">Tadh\Atp6v0b</a>				70	229	49	879	84	412	78	112	70	87	52	109	79	111	46	74	66	ND	ND		acgctgtcatcgTCACATGAttgtactctgct gaagcgtttctaTCATGTGAccttcacattt	5' 5'	>-759 >-404	