

Gene Cluster ID	Atp6v1H		
Drosophila melanogaster gene	VhaSFD (CG17332)		
FlyBase ID	FBgn0027779		
Predicted function	V-type ATPase, H ⁺ transporting, V1 subunit H		
Atp6v1H CLEAR element(s) conservation:			
	5'/5' UTR	intron1	
Dmel\	GCTGCAGAAAAGTCACAAGACCA--- CTCAGCTGA ATTTCGGTGTG		
Gmor\	GAAGCGAAAAGTCACAAGACCTC--- CTCAGCTGA ATTCTCCATT		
Mdom\	TTACATCACAAGCCTCT CTCAGCTGA ATTCAAGTAA		
Ccap\	TTCTGG TCTTGTGAC -TTTC CTCAGCTGA ATTGTTCATCG	GGTAAGTGTTGTG TCACATGA ACATTTGTGCG	
Llon\	CAATCGTATTTC TGTCACGTGAAGTCAGAAA CT		
Ppap\	CCCTC CATTCTC TACGTGAATTTCGAAGGAC		
Agam\	GTTCACTTCAGG TCA TATGATCACAAATATT	GAGCAAATTC CAT CACGTG A TGGTTGTTCTT	
Aara\	GTTCACTTCAGG TCA TATGATCACAAATATT	AGCTAAATTC CAT CACGTG A TGGTTGTTCTT	
Agan\	GTTCACTTCAGG TCA TATGATCACAAATATT	AGCTAAATTC CAT CACGTG A TGGTTGTTCTT	
Achr\	ATTCACTTTG TCA TATGATCACAAATATT	AGTTGAATTAA T CACGTG A TGGTTGTTCTT	
Aepi\	ATTCACTTTGG TCA TATGATCACAAATATT	AGTTAAATAT C ATCACGTG A TGGTTGTTCTT	
Amin\	ATGCACTTT G TCAATGATCACAAATATT	ATTAAATTTC CAT CACGTG A TGGTTGTTCTT	
Afun\	CTACACTTTAGG TCA TATGATCACAAATATT	ATTAAATTTC CAT CACGTG A TGGTTGTTCTT	
Aste\	CACCCCTT TA G TCA TATGATCACAAATATT	CTTACTTT CAT CACGTG A TGGTTGTTCTT	
Adir\	AAGAAGAAG TCA TATGATCACAAATT	CCATC ACTT CATCACGTG A TGGTTGTTCTT	
Anil\	AAGAAGAAG TCA TATGATCACAAATATT	AATCTACTTCC CAT CACGTG A CTTACATT	
Aalb\	TTATCAGGCC G TCAATGATGTTTC	CTTCCTCG TTC G TCACTG C GTTTACGCC	
Adar\	TATTCA G CGCA TCA TATGATGCCCCGAGACT	GTTCCTCG CAT CACGTG A CGTTCAGCTT	
Cqui\	CTTACCCCC A GTCAATGATGATTCA G CGTGA	GAAATTGGA AT CACGTG A CCTTTTCTT	
Aaeg\	ACCCC A TGCA G TCATATGACATTCA G CTGCG	AGAAATTGGA AT CACGTG A TGCTTTGTG	
Mdes\	CGGATGGAAAAGTCACAAGAC- TCTCAGCTGAGG TTTTTCTTC		
Bmor\	CATTTC CT AC T TCACAAGAC C CT T CA C CT G GG A CT G GT T CG G AT		
Msex\	CACTTT CAT ACT T CA C AA G AC C ACT C AC G CT G AG G CT T GT T GT T CA G A		
Dple\	CAC G TC G AG T GT C ACA A AG C CT C T C AC G CT G AG G TT C ACT T GT C CC		
Hmel\	CACAT CG AAT G T C ACA A AG C CT C TC A GT G GT T AT C T G T C TA		
Pxyl\	CACT TT CA AT G TC A CA G AC C CT C AC G CT G AG G TT T GT T GT G T		
Tcas\	GGCG T GT C AA T AT C ACA A GA C TT G T CAG GT T G T	GGCTGAGCAC A CT T CA C GT G AC T T G AG T AT C T	
Dpon\	tcaaaagatgg TCA TATGATGataatctgccc		
Dpon\	aatctgcagg T CA C GT A T G agactacgt	taatgaaactat TCACGTG Aatttggtaagt	
Aflo\	GT T TAT A C T CA G T C TT G T G AT C CA A CT T AT T GA		
Amel\	GT T TAT A C T CA G T C TT G T G AT C CA A CT T AT T GA		
Bimp\	GT T AT A T A T C AG T CT T GT G T G AT C CA A GT T GT G T G A		
Bter\	GT T AT A T A T C AG T CT T GT G T G AT C CA A GT T GT G T G A		
Mrot\	TAT T AC A T T GG T CT T GT G T G AT T TT A AC G CT G		
Aech\	AT A T C G T GT G T C T T GT G T G AT C GA A CA G CT G A		
Acep\	GT T AT C G C GT G T C T T GT G T G AT C GA A CA G CT G A		
Sinv\	GT T AT C G C AT G G T C T GT G T G AT C GA A CA G CT G A		
Pbar\	GT T AT T GT G G T C T GT G T G AT C GA A CA G CT G A		
Cflo\	GT T AT T GT G C A CC G T C T T GT G T G AT C GA A CA G CT G A		
Lhum\	GT T AT T GT G G T C T GT G T G AT C GA A CA G CT G A		
Hsal\	GT A CCA A GT G G T C T GT G T G AT C GA A CA G CT G A		
Ngir\	ACG T ACT C AA T C T C GT G AC C T G AC T GT G T G A		
Nlon\	ACG T ACT C AA T C T C GT G AC C T G AC T GT G T G A		
Nvit\	ACG T AC A CC A T C T C GT G AC C T G AC T GT G T G A		
Phum\	CCCC A T G TT A AT C AC G TGAAA A AT C GTAG G A		
Lful\	gatcatggaa T CA C GTGAG A caagg c ag a cg g		
Dpul\	TTGGAGGGCC A GT C AC A GT G ACA A CT T GT G ACA A		
Iasca\	GTGTCT C CT C ACT C AC G TG A CG G T C T G GT G T G		
Atp6v1H gene structure comparison:			

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