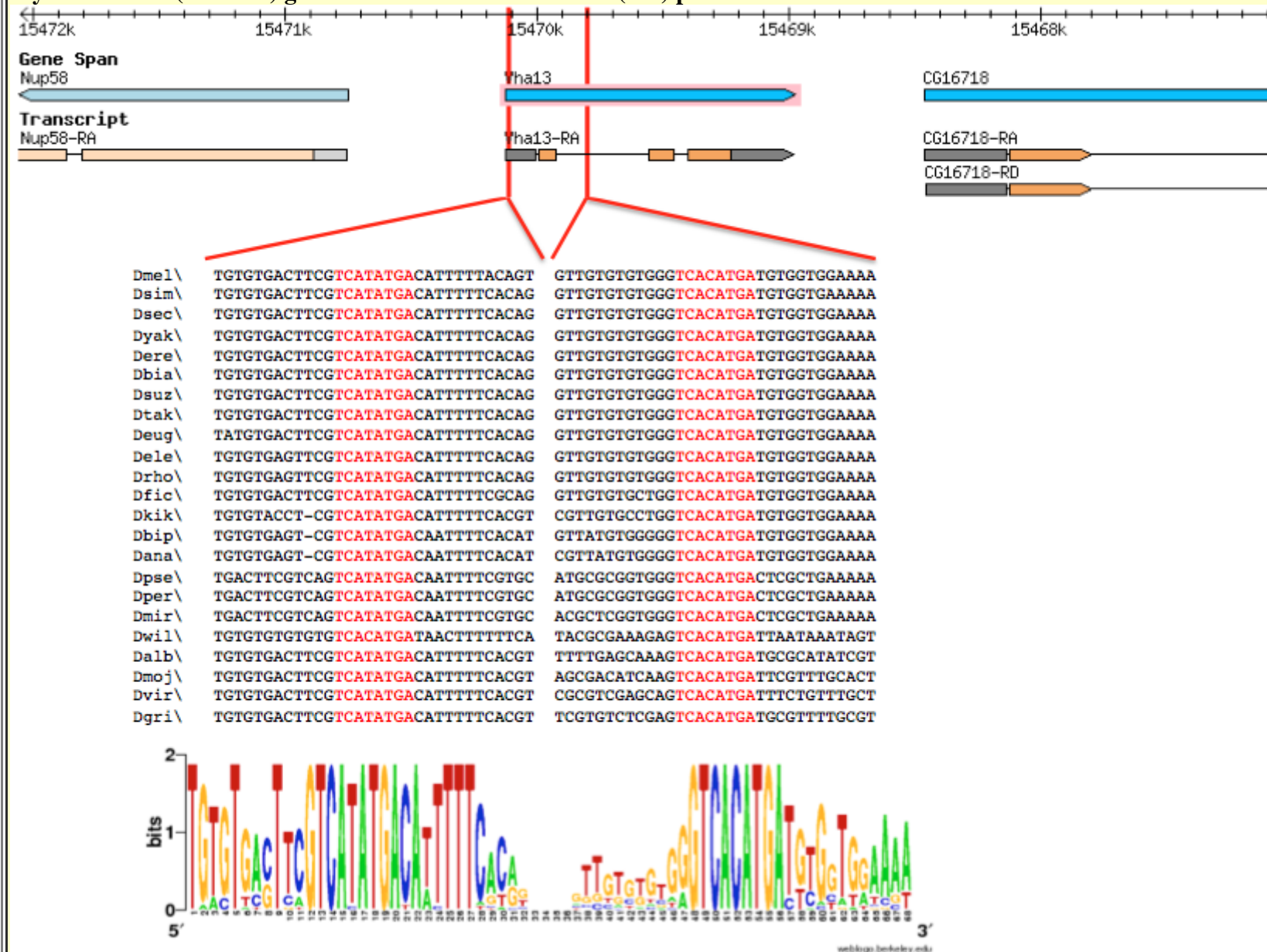


Gene Cluster ID	Atp6v1G
<b>Drosophila melanogaster gene</b>	<b>Vha13 (CG6213)</b>
FlyBase ID	<a href="#">FBgn0026753</a>
<b>Predicted function</b>	<b>ATPase, H<sup>+</sup> transporting, lysosomal 13kDa, V1 subunit G</b>
Cytogenetic map	3R:92A11-92A11
Gene sequence location	<a href="#">3R:15468980..15470126</a> [-]
<b>Dmel CLEAR sequence</b>	<b>TCATATGA; TCACATGA</b>
CLEAR sequence location(s)	3R:15470110..15470117; 3R:15469803..15469810

# FlyBase Vha13 (CG6213) gene model & CLEAR element (red) positions:



## Atp6v1G (Vha13) gene structure comparison:

Key: UTR region, CDS region

Species	Vha13 Atp6v1G orthologs	5'exon		intron	exon	intron	exon3'		Extended CLEAR region	Position	bps from TSS
<i>Drosophila_melanogaster</i>	<a href="#">Dmel\Vha13</a>	117	82	367	101	59	171	250	tgtgtgacttcgTCATATGAcatttttcacag gttgtgtgtgggTCACATGAtgtgttgaaaa	5'UTR intron1	9 317
<i>Drosophila_simulans</i>	<a href="#">Dsim\GD20107</a>		82	350	101	59	171		tgtgtgacttcgTCATATGAcatttttcacag gttgtgtgtgggTCACATGAtgtgttgaaaa	5'UTR? intron1	
<i>Drosophila_sechellia</i>	<a href="#">Dsec\GM26899</a>		82	349	101	59	171		tgtgtgacttcgTCATATGAcatttttcacag gttgtgtgtgggTCACATGAtgtgttgaaaa	5'UTR? intron1	
<i>Drosophila_yakuba</i>	<a href="#">Dyak\Vha13</a>		82	363	101	65	171		tgtgtgacttcgTCATATGAcatttttcacag gttgtgtgtgggTCACATGAtgtgttgaaaa	5'UTR? intron1	
<i>Drosophila_erecta</i>	<a href="#">Dere\GG15897</a>		82	367	101	64	171		tgtgtgacttcgTCATATGAcatttttcacag gttgtgtgtgggTCACATGAtgtgttgaaaa	5'UTR? intron1	
<i>Drosophila_biarmipes</i>	<a href="#">Dbia\Vha13</a>		82	362	101	65	171		tgtgtgacttcgTCATATGAcatttttcacag gttgtgtgtgggTCACATGAtgtgttgaaaa	5'UTR? intron1	
<i>Drosophila_suzukii</i>	<a href="#">Dsuz\Vha13</a>		82	358	101	66	171		tgtgtgacttcgTCATATGAcatttttcacag gttgtgtgtgggTCACATGAtgtgttgaaaa	5'UTR? intron1	
<i>Drosophila_takahashii</i>	<a href="#">Dtak\Vha13</a>		82	360	101	57	171		tgtgtgacttcgTCATATGAcatttttcacag gttgtgtgtgggTCACATGAtgtgttgaaaa	5'UTR? intron1	
<i>Drosophila_eugracilis</i>	<a href="#">Deug\Vha13</a>		82	362	101	64	171		tatgtgacttcgTCATATGAcatttttcacag gttgtgtgtgggTCACATGAtgtgttgaaaa	5'UTR? intron1	
<i>Drosophila_elegans</i>	<a href="#">Dele\Vha13</a>		82	191	101	71	171		tgtgtgagttcgTCATATGAcatttttcacag gttgtgtgtgggTCACATGAtgtgttgaaaa	5'UTR? intron1	
<i>Drosophila_rhopaloea</i>	<a href="#">Drho\Vha13</a>		82	193	101	57	171		tgtgtgagttcgTCATATGAcatttttcacag gttgtgtgtgggTCACATGAtgtgttgaaaa	5'UTR? intron1	
<i>Drosophila_ficusphila</i>	<a href="#">Dfic\Vha13</a>		82	178	101	73	171		tgtgtgacttcgTCATATGAcatttttcgacg gttgtgtgctggTCACATGAtgtgttgaaaa	5'UTR? intron1	
<i>Drosophila_kikkawai</i>	<a href="#">Dkik\Vha13</a>		82	191	101	65	171		gtgtgtacctcgTCATATGAcatttttcacgt cgttgtgcctggTCACATGAtgtgttgaaaa	5'UTR? intron1	
<i>Drosophila_bipectinata</i>	<a href="#">Dbip\Vha13</a>		82	190	101	256	171		ctgtgtgagtcgTCATATGAcaattttcacat gttatgtgggggTCACATGAtgtgttgaaaa	5'UTR? intron1	
<i>Drosophila_ananassae</i>	<a href="#">Dana\GF17364</a>		82	189	101	180	171		ctgtgtgagtcgTCATATGAcaattttcacat cgttatgtggggTCACATGAtgtgttgaaaa	5'UTR? intron1	
<i>Drosophila_pseudoobscura</i>	<a href="#">Dpse\GA19444</a>		82	219	101	68	171		tgacttcgtcagTCATATGAcaattttcgtgc atgcgcggtgggTCACATGActcgtgaaaa	5'UTR? intron1	
<i>Drosophila_persimilis</i>	<a href="#">Dper\GL11956</a>		82	219	101	67	171		tgacttcgtcagTCATATGAcaattttcgtgc atgcgcggtgggTCACATGActcgtgaaaa	5'UTR? intron1	
<i>Drosophila_miranda</i>	<a href="#">Dmir\Vha13</a>		82	222	101	68	171		tgacttcgtcagTCATATGAcaattttcgtgc acgctcggtgggTCACATGActcgtgaaaa	5'UTR? intron1	
<i>Drosophila_willistoni</i>	<a href="#">Dwil\GK22514</a>		82	224	101	65	171		tgtgtgtgtgtgTCACATGAaactttttca tacgcgaagagTCACATGAttaataaatagt	5'UTR? intron1	

