

ENST00000288398	MDAIKKKMQMLKLDKENALDRAEQAEADKAAEDRSKQLEDELVSLQKKLGTEDELKY
ENST00000267996	MDAIKKKMQMLKLDKENALDRAEQAEADKAAEDRSKQLE EDIAAKEKLLRVSEDERDRV
CG4898 - PL	MDAIKKKMQAMKVDKDGALERALVCEQEARDANTRAEKAAEEARQLQKKIQTVENELDQT
CG4898 - PJ	MDAIKKKMQAMKVDKDGALERALVCEQEARDANTRAEKAAEEARQLQKKIQTVENELDQT
	***** : * : * . * : * . * : * : * : * : * : . * : * . * : * .
ENST00000288398	SEALKDAQEKL EAKKATD A EADVASLNRIQLVEEELDRAQERLATALQKLEEA KAA
ENST00000267996	LEELHKAEDSLLAEEAAAK A EADVASLNRIQLVEEELDRAQERLATALQKLEEAKAA
CG4898 - PL	QEALTLVTGKLEEKNKALQNAESEVAALNRIQLLEEDLERSEERLG SATAKLSEASQAA
CG4898 - PJ	QEALTLVTGKLEEKNKALQNAESEVAALNRIQLLEEDLERSEERLG SATAKLSEASQAA
	* * . . * : : . * : * : * : * : * : * : * : * : * : * : * : * : *
ENST00000288398	D ESERGMKVIESRAQKDEEKMEIQEIQ LKEAKHIAEDADRKYEEVARKLVII ESDLERA E
ENST00000267996	D ESERGMKVIESRAQKDEEKMEIQEIQ LKEAKHIAEDADRKYEEVARKLVII ESDLERA E
CG4898 - PL	D ESERIRKALENRTNMEDDKVALLENQ AQAKLIAEEADKKYEEVARKLVLM EQDLERSE
CG4898 - PJ	D ESERARKILENRALADEERMD ALENQLKEARFLAEEADKKYDEVARKLAM V EADLERA E
	***** * : * . : : : : * * : * . : * : * : * : * : * : * : * : * : * : *
ENST00000288398	E RAELSEG QVRQLEEQLRIMDQTLKALMAED KYSQKEDRYEEEIKVLSDKL KEAETRAE
ENST00000267996	E RAELSEG KCAELEEEELKTVTNNLKSLEAQAE KYSQKEDRYEEEIKVLSDKL KEAETRAE
CG4898 - PL	E KV ELSES KIVELEEEELRVVGNNL K LEVSEEKA TQKEETFETQIKVLDHS L KEAEARAE
CG4898 - PJ	E RAEQ GEN KIVELEEEELRVVGNNL K LEVSEEKA NQREEEYKNQIKTLNTR L KEAEARAE
	* . * . : : * : * . : : * : * . : * . * . : : : * . : * : * : * : * : * : *
ENST00000288398	F AERSVT KLEKSIDDLE DELYA QKLKYK AI SEELDH ALNDMTSM-
ENST00000267996	F AERSVT KLEKSIDDLE E KVAHAK EE NLSM H QMLDQ TL LENNM -
CG4898 - PL	F AERSV QKLQKEVDRLEDD L NVRG KN LLQ EE MEATLHD IQN M -
CG4898 - PJ	F AERSV QKLQKEVDRLEDD V LEKERYKD IG DDLD TAF VELILKE
	***** * : * . : * * : . . : : : : : : :

Supplementary Figure 1 – The homologous exons annotated in human and *Drosophila* tropomyosin genes

Multiple alignment of two *Drosophila tropomyosin* (CG4898) isoforms with two human *TPM1* isoforms. Constant regions shown in bold for both pairs of isoforms. Regions that differ between the isoforms in each species shown in color (two shades of blue in human, two shades of red in *Drosophila*). The only HE exons that overlap between the two species are at the 3' end of the CDS.