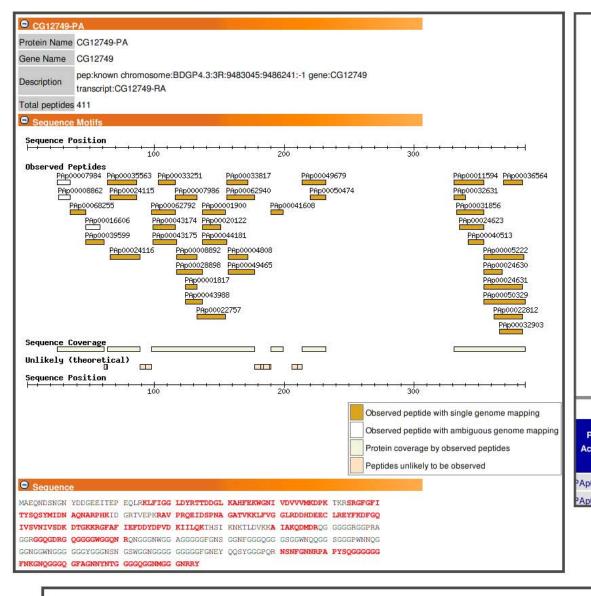
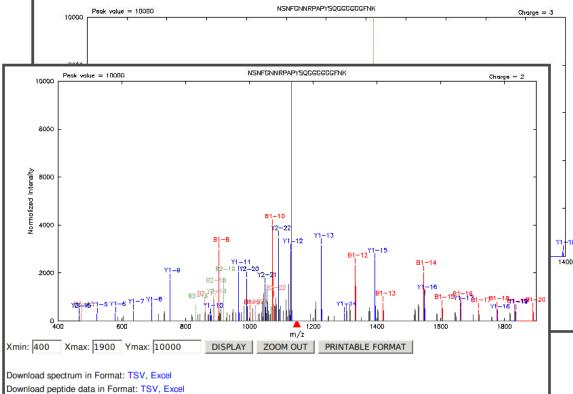
"The *Drosophila melanogaster* PeptideAtlas facilitates the use of peptide data for improved fly proteomics and genome annotation."

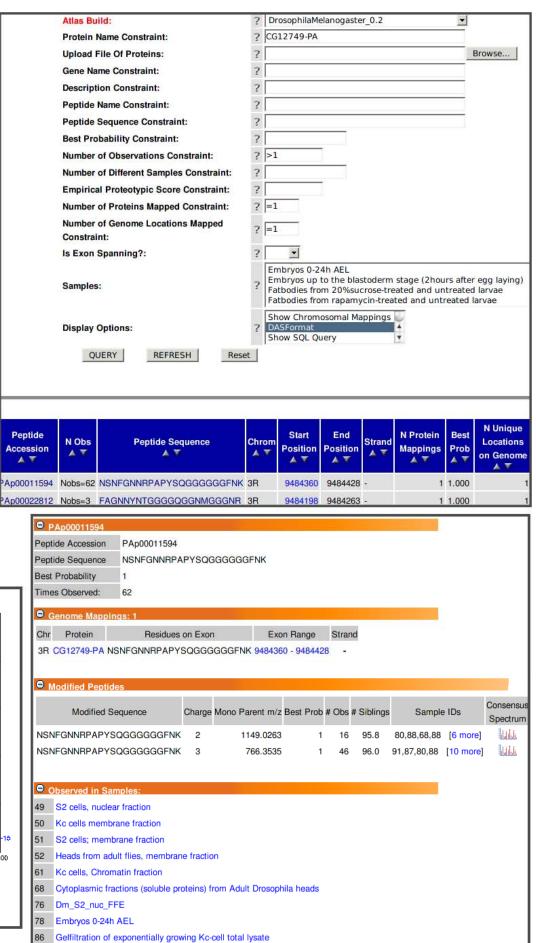
Additional File 2

Explanatory screenshots of a PeptideAtlas session using the HTML interface

This figure shows an exemplary PeptideAtlas user session at www.drosophila-peptideatlas.org and is to be read clockwise. The user wants to know a proteotypic peptide for the Heterogeneous Nuclear Ribonucloprotein Hrb87F (CG12749), more specifically its splice form CG12749-PA. Upper left: Result of a Protein Query for CG12749-PA: a condensed representation of the protein and its aligned PAps. Upper right: In the Peptide Query, one can narrow down the search by allowing only PAps specific for this gene and, even further, the splice variant CG12749-PA. In addition, the constraint is applied, that a peptide has to be observed at least twice. This way, PeptideAtlas pinpoints to 2 of the 44 peptides one of which (PAp00011594) has been observed 62 times. Both PAps would typically be chosen as PTPs for the design of an SRM assay. Lower right: Clicking on a PAp accession provides detailed information about this peptide. The 64 observations divide into 16 in the charge state 2+ and 46 in 3+. Lower left: In particular, one can view and download consensus spectra for either of those charge states.







88 S2cells cytoplasmic fraction90 Dm_Pupae_Membranes

91 Heads from adult flies, nuclear fraction