

		Pep42		
		motif A	motif B	
<b>hHTT</b>	482	<b>AASSGVSTPGSAGHDIITEQPRS</b>		504
			<b>+AG D TE P S</b>	
<b>dHTT</b>	433	-----	<b>NAGEDAPTEAPSS</b>	455
	546	<b>AASSG</b>		550

**Figure S3:** Alignment between dHtt (1-620aa) and hHtt P4 (166aa) (aa 382-548 region of hHtt). Using BLASTp NCBI, we identified a 13aa peptide showing 54% identities (motif B). The AASSG motif (motif A) was identified in both dHtt and hHtt. In the human counterpart, A and B motifs of homologies are contained in a short 23aa peptide, referred as to P42. Because A motif could be of importance, P42, containing both motifs, was designed and analysed for its protective properties.