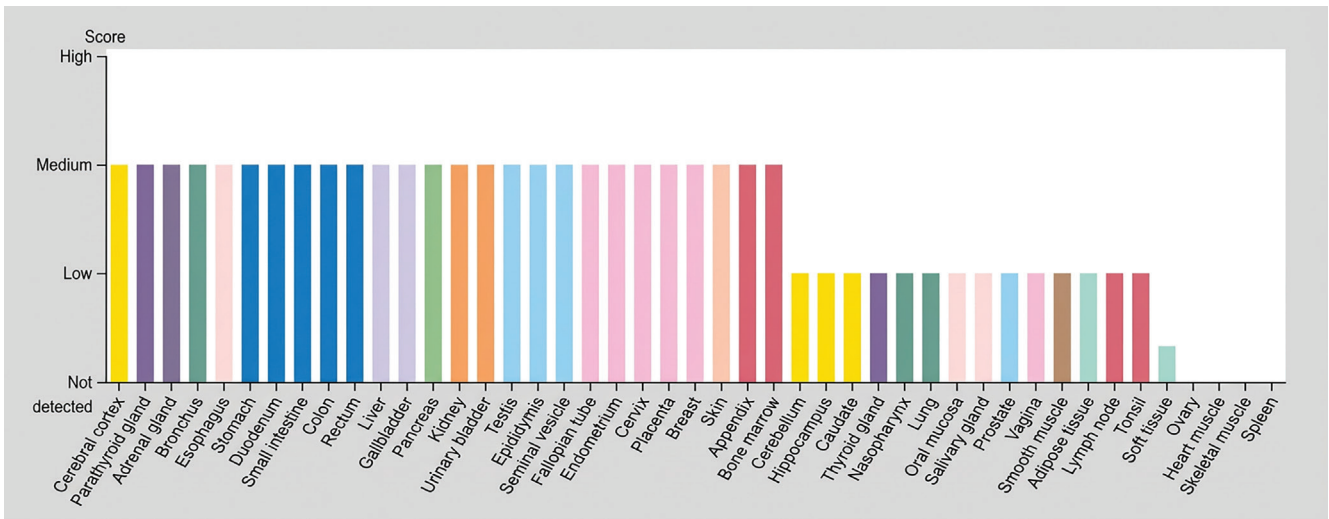
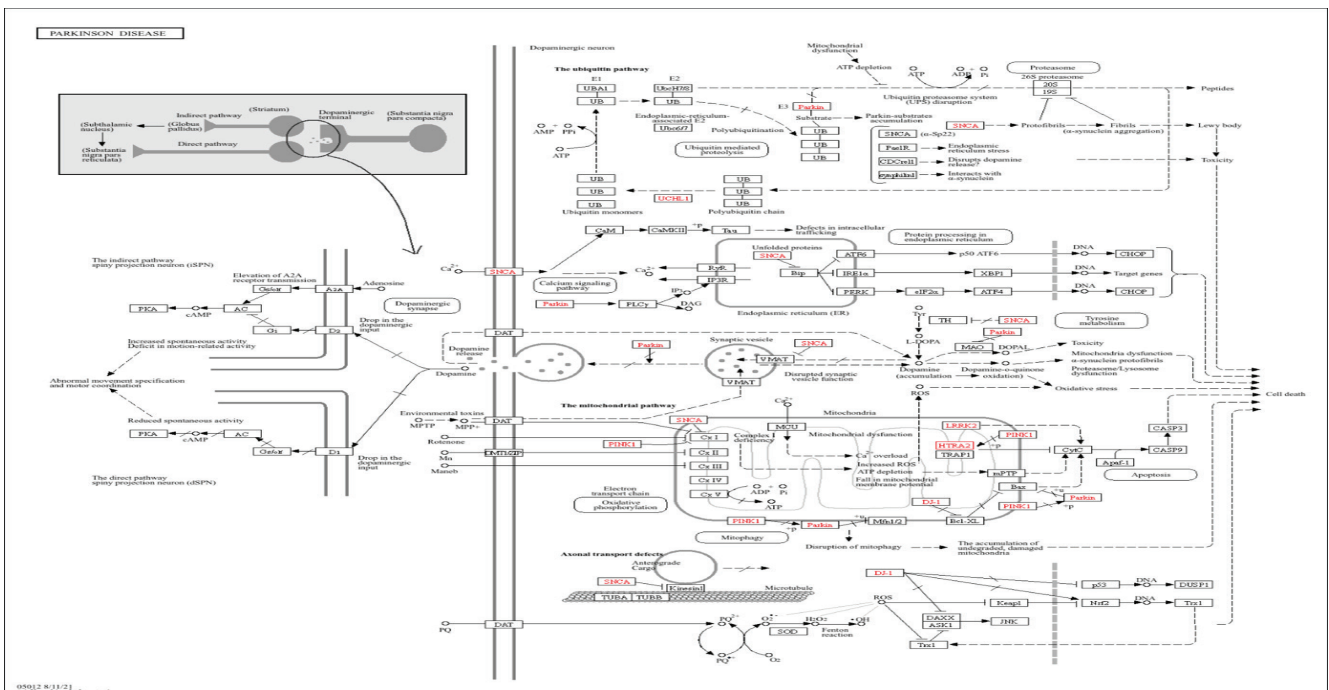


Supplementary Figure 1. Protein-protein interaction (PPI) network of HTRA2



Supplementary Figure 2. HTRA2 gene expression across tissues



Supplementary Figure 3. HTRA2 in the Parkinson's disease pathway

Name	Z-score	Confidence
Parkinson's disease	5.4	★★★★☆
Parkinsonism	5.0	★★★★☆
Cancer	4.7	★★★★☆
Essential tremor	4.4	★★★★☆
Polygenic disease	4.3	★★★★★
Alzheimer's disease	4.3	★★★★☆
Hematopoietic system disease	4.2	★★★★★
Dementia	4.2	★★★★☆
Lymphatic system disease	4.1	★★★★☆
Neuropathy	4.0	★★★★☆

**Supplementary Figure 4.** HTRA2-associated diseases identified from DISEASES database