CAPN5 mutations in Cancerous Tissues

- Large Intestine: 6 cases
- Kidney: 2 cases
- Skin: 4 cases
- Endometrium: 6 cases
- Lung: 2 cases
- Stomach: 4 cases
- Lymphoid: 2 cases
- Upper Aerodigestive Tract: 2 cases
- Soft Tissues: 4 cases
- Esophagus: 2 cases
A.

B.

118 Amino Acids
**Figure S1. CAPN5 mutations present in cancerous tissues.** CAPN5 mutations were investigated in cancer using the COSMIC database. The following graph shows the number of times a CAPN5 missense mutation that changed the amino acid properties was found in the proteolytic core. The data is categorized by cancer tissue type.

**Figure S2. CAPN5 custom antibody recognizes sequences unique to CAPN5.** A. A sequence alignment of the calpains present in the human retina; CAPN2, CAPN5, CAPN7, and CAPN10. The underlined portions correspond to the polypeptide used to create the custom antibody. B. The customized CAPN5 polypeptide injected into rabbits. Linker sequences were used to connect sequences from the different domains (not underlined).