(a) positive kurtosis

- **UGT1A@**
  - Proportion of patients alive
  - Years: 0 to 20
  - p-value: 0.0135

- **CTNNA2**
  - Proportion of patients alive
  - Years: 0 to 20
  - p-value: 0.833

- **UTS2**
  - Proportion of patients alive
  - Years: 0 to 20
  - p-value: 0.457

- **CALCA**
  - Proportion of patients alive
  - Years: 0 to 20
  - p-value: 0.304

- **SCG3**
  - Proportion of patients alive
  - Years: 0 to 20
  - p-value: 0.494

- **MYH7**
  - Proportion of patients alive
  - Years: 0 to 20
  - p-value: 0.0100

(b) negative kurtosis

- **HLA-DQA1**
  - Proportion of patients alive
  - Years: 0 to 20
  - p-value: 0.764

- **TFAP2B**
  - Proportion of patients alive
  - Years: 0 to 20
  - p-value: 0.00999

- **SCGB1D2**
  - Proportion of patients alive
  - Years: 0 to 20
  - p-value: 0.566

- **SLC1A1**
  - Proportion of patients alive
  - Years: 0 to 20
  - p-value: 0.200

- **PEG10**
  - Proportion of patients alive
  - Years: 0 to 20
  - p-value: 0.57

- **HLA-DQA1**
  - Proportion of patients alive
  - Years: 0 to 20
  - p-value: 0.238

(c) Likelihood Ratio

- **PCSK1**
  - Proportion of patients alive
  - Years: 0 to 20
  - p-value: 0.304

- **MAGEA6**
  - Proportion of patients alive
  - Years: 0 to 20
  - p-value: 0.0676

- **CHGB**
  - Proportion of patients alive
  - Years: 0 to 20
  - p-value: 0.488

- **ACE2**
  - Proportion of patients alive
  - Years: 0 to 20
  - p-value: 0.321

- **MAGEA2**
  - Proportion of patients alive
  - Years: 0 to 20
  - p-value: 0.00013

- **FGB**
  - Proportion of patients alive
  - Years: 0 to 20
  - p-value: 0.785