**Supplementary File 1:** Supplementary Discussion, Supplementary Methods, Supplementary Figures 1 to 16, Supplementary References, and Supplementary Tables 1 to 9

**Supplementary File 2:** Gsp1 E-MAP data – Genetic interaction (GI) data from the E-MAP screens

**Supplementary File 3:** Pairwise Pearson correlations of profiles between SGA genes and Gsp1 point mutants, with associated p-values

**Supplementary File 4:** Affinity purification mass spectrometry (AP-MS) data reported as fold change and significance value, as well as a list of significant interaction hits

**Supplementary File 5** - S. cerevisiae genes from the SGA data with significant positive correlations with Gsp1 mutants organized by biological functions into gene sets