



## Supplemental Figure S1

Legend on following page

**Supplemental Figure S1.** Alignment of GGH amino acid sequences. Representative GGH amino acid sequences for eudicots and dicots are illustrated and compared with rat GGH. Identical residues are shaded in black, similar residues are in gray, the predicted signal peptide regions are in blue, and potential *N*-glycosylation motifs (*NXS/TX*, where *X* is any residue except Pro) are in green. Based on human GGH, red arrows indicate catalytically essential residues and the regions that form the dimer interface are underlined with dots. Sequences for tomato (Le), Arabidopsis (At), soybean (Gm), *Populus trichocarpa* (Pt), rice (Os), barley (Hv), maize (Zm), and rat (Rn) were compiled from EST and genome databases.