

Title: Supplementary Data 1.

Description: A list of the yeast strains used in this study, including their strain IDs and sources.

Title: Supplementary Data 2.

Description: A list of all plasmids used in this study, including descriptions, IDs , and sources.

Title: Supplementary Data 3.

Description: The DNA sequences used for CRISPR-Cas9-based genomic edits including protospacer sequences and repair templates.

Title: Supplementary Data 4.

Description: All gene and tag DNA sequences used in this work.

Title: Supplementary Data 5.

Description: Summary of sensitivities of tested GPCRs in more native environments previously reported in the literature.

Title: Supplementary Data 6.

Description: Summary of different metrics of activity, including raw fluorescence values, for all biosensors used in this study.

Title: Supplementary Data 7.

Description: A list of all GPCR effectors used, their peptide sequences if relevant, and their sources.