## SUPPORTING INFORMATION

## Direct antibody isolation on cells using affinity-tag guided proximity selection

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Fig. S1. Overexpression of four GPCRs showed high expression levels in HEK293T cells. Fig. S2. Four SLCs successfully displayed the snorkel tag to the cell surface with good expression in HEK293T cells.


Fig. S1. Overexpression of four GPCRs showed high expression levels in HEK293T cells. Four human GPCRs, namely CCR9, CXCR3, CXCR4, CXCR7 (truncated form, truncated at amino acid Tyr322), were over-expressed in HEK293T as stable cell lines, respectively. In all constructs, the N-terminus is composed of a CD8a signal peptide followed by a Myc tag. The GPCR expression levels were quantified by anti-Myc staining using non-permeabilized live cells in the flow cytometry experiments. Red: GPCR stable cells; blue: parental HEK293T.


Fig. S2. Four SLCs successfully displayed the snorkel tag to the cell surface with good expression in HEK293T cells. Four human SLCs, namely SLC1A5, SLC6A5, SLC6A14, and SLC7A11, were over-expressed in HEK293T as stable cell lines, respectively. In all constructs, a snorkel tag, which is composed of a transmembrane domain followed by a Myc-tag, was fused to the C-terminus in order to display the Myc-tag to the extracellular space. The SLC expression levels were quantified by anti-Myc staining using nonpermeabilized live cells in the flow cytometry experiments. Red: SLC stable cell; blue: parental HEK293T.

