SUPPLEMENTARY INFORMATION

THE RHODOPSIN-TRANSDUCIN COMPLEX HOUSES TWO DISTINCT RHODOPSIN MOLECULES

Beata Jastrzebska1*, Philippe Ringler2, Krzysztof Palczewski1* and Andreas Engel1,2*

SUPPLEMENTAL FIGURES

Figure S1. Purification of the Rho*•Gt-DDM complex. A) Gel filtration elution profile of purified DSG-crosslinked Rho*•Gt complexes in DDM. Open arrow indicates the protein elution fraction used for further analyses. Black arrows on top of the chromatogram indicate the elution profiles of molecular standards: thyroglobulin (670 kDa), IgG (158 kDa) and ovalbumin (44 kDa). B) Analyses of the peak fraction in A by silver-stained SDS-PAGE gels and immunoblots incubated with antibodies against Gtα, Gtβ and Rho. Identification of DSG-crosslinked Rho*•Gt complexes is indicated by the broken line frame.
Figure S2. *TEM analysis of the Rho*•Gr-DDM complex.* TEM image of negatively stained Rho*•Gr-DDM complexes (top panel). Scale bar 500 Å. 2D class averages obtained from particles manually selected from images taken at 0° tilt (bottom panel). Scale bar 100 Å. Asterisks indicate projections of class averages clearly displaying a tri- or tetra-lobed morphology of the complex.