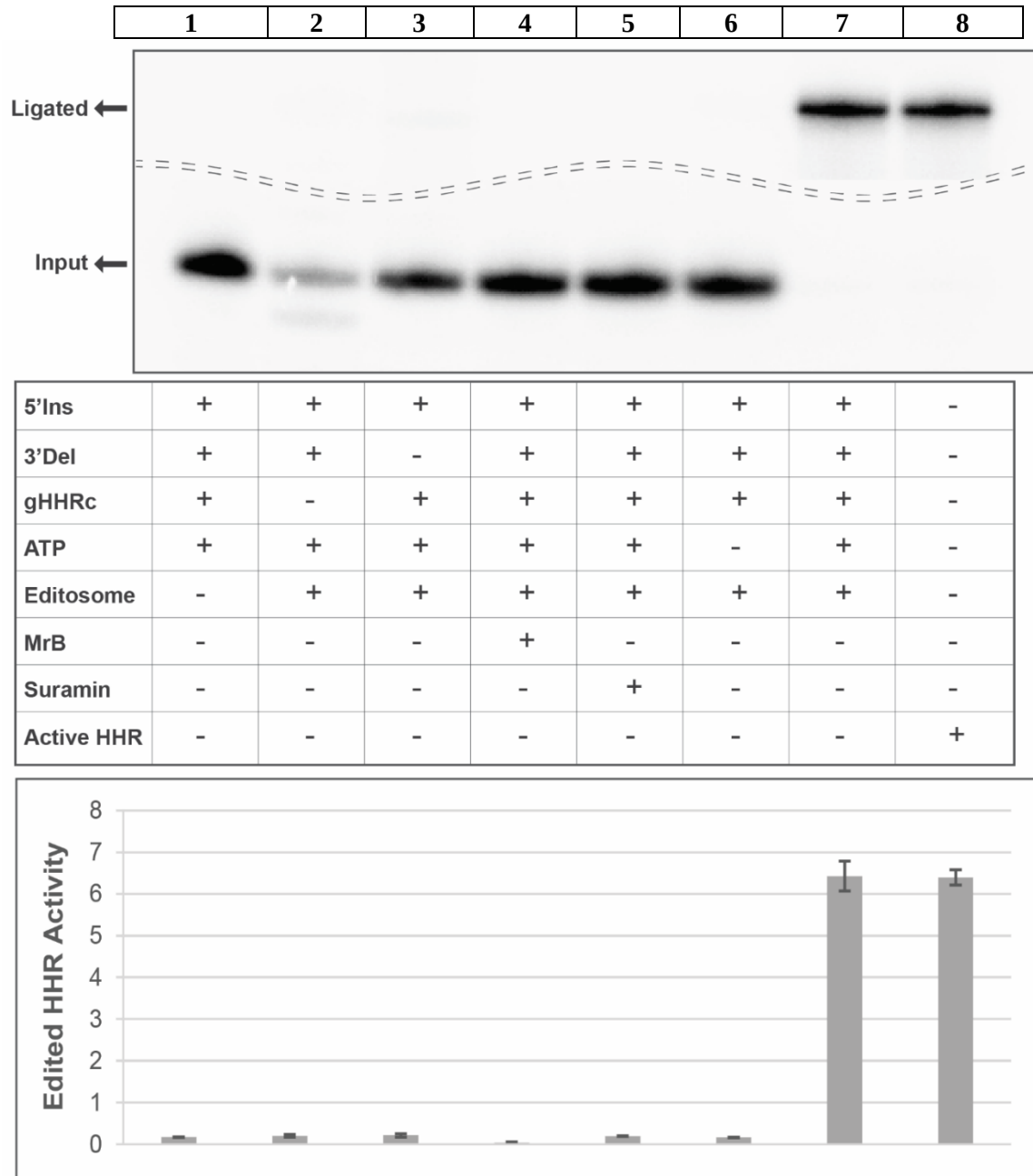




Supplemental Figure S3. Development of PC-ligation assay. Reactions are monitored using radiolabeled HHR RNA substrates (top panel) and FRET-based HHR substrates (bottom panel) with several controls (as described in the middle panel). PC-ligation assay with all components except functional editosome (lane 1), guide RNA (lane 2), 3' fragment (lane 3), and ATP (lane 6). Assay in the presence of RNA editing inhibitors (MrB and suramin, lanes 4 and 5). In the presence of all reaction components with discernible product/signal (lane 7). Active HHR serves as a size and activity control (lane 8). Means and standard deviations in the bottom plot were obtained from four replicates. Edited HHR activity is measured in arbitrary units.