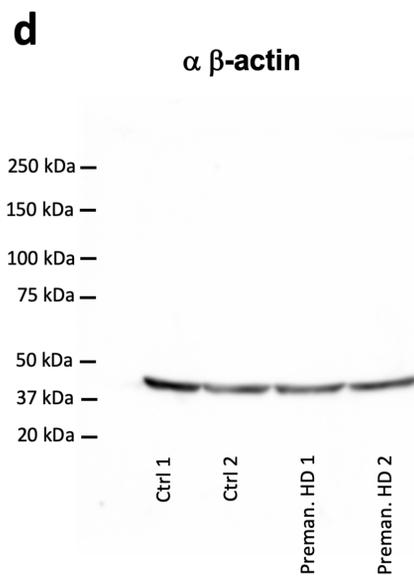
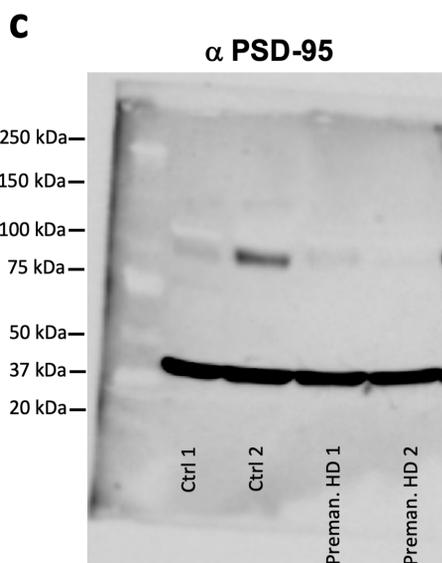
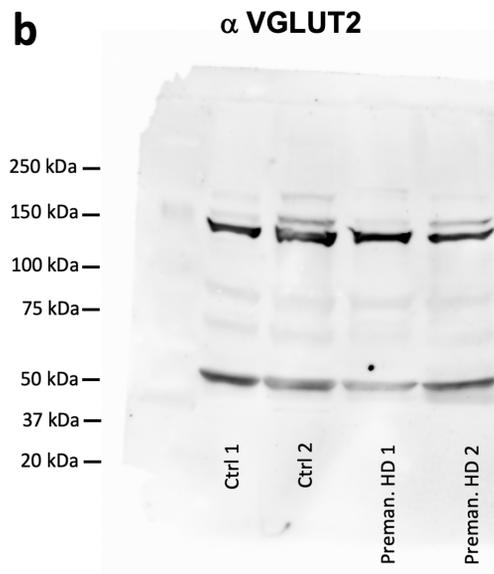
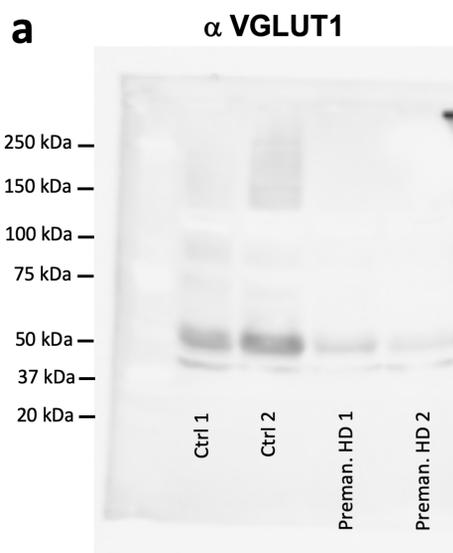


Source data figure 11 (a) Full length lanes of the chemiluminescent anti VGLUT1 (~55kDa) signal displayed in Extended data figure 1c; approximate molecular weights, estimated with Precision Plus Protein Kaleidoscope prestained protein standards (BIO-RAD), are shown to the left. (b) Full length lanes of the chemiluminescent anti Homer1 (~39kDa) signal displayed in Extended data figure 1c; approximate molecular weights, estimated with Precision Plus Protein Kaleidoscope prestained protein standards (BIO-RAD), are shown to the left. (c) Full length lanes of the chemiluminescent anti VGLUT2 (~56kDa) signal displayed in Extended data figure 1c; approximate molecular weights, estimated with Precision Plus Protein Kaleidoscope prestained protein standards (BIO-RAD), are shown to the left. (d) Full length lanes of the chemiluminescent anti β -actin (~42kDa) signal displayed in Extended data figure 1c; approximate molecular weights, estimated with Precision Plus Protein Kaleidoscope prestained protein standards (BIO-RAD), are shown to the left. (e) Full length lanes of the chemiluminescent anti VGLUT1 (~55kDa) signal displayed in Extended data figure 1g; approximate molecular weights, estimated with Precision Plus Protein Kaleidoscope prestained protein standards (BIO-RAD), are shown to the left. (f) Full length lanes of the chemiluminescent anti VGLUT2 (~56kDa) signal displayed in Extended data figure 1g; approximate molecular weights, estimated with Precision Plus Protein Kaleidoscope prestained protein standards (BIO-RAD), are shown to the left. (g) Full length lanes of the chemiluminescent anti β -actin (~42kDa) signal displayed in Extended data figure 1g; approximate molecular weights, estimated with Precision Plus Protein Kaleidoscope prestained protein standards (BIO-RAD), are shown to the left.



Source data figure 12 (a) Full length lanes of the chemiluminescent anti VGLUT1 (~55kDa) signal displayed in Extended data figure 11; approximate molecular weights, estimated with Precision Plus Protein Kaleidoscope prestained protein standards (BIO-RAD), are shown to the left. **(b)** Full length lanes of the chemiluminescent anti VGLUT2 (~56kDa) signal displayed in Extended data figure 11; approximate molecular weights, estimated with Precision Plus Protein Kaleidoscope prestained protein standards (BIO-RAD), are shown to the left. **(c)** Full length lanes of the chemiluminescent anti PSD-95 (~95kDa) signal displayed in Extended data figure 11; approximate molecular weights, estimated with Precision Plus Protein Kaleidoscope prestained protein standards (BIO-RAD), are shown to the left. **(d)** Full length lanes of the chemiluminescent anti β -actin (~42kDa) signal displayed in Extended data figure 11; approximate molecular weights, estimated with Precision Plus Protein Kaleidoscope prestained protein standards (BIO-RAD), are shown to the left. Please note that for all blots additional lanes to the right of Preman.HD 2, which contained extracts from a different source and which were run to address questions for an alternate project, have been cropped for clarity. Abbreviations: Preman. = Premanifest. Ctrl = Control