Figure S1. Dissociation curve and sequencing analysis of gasdermin C (A), C2 (B), and C4 (C) PCR products. The dissociation curve plots changes in SYBR Green fluorescence against temperature. The SYBR Green reagent binds double stranded PCR products and gives off light. A monophasic curve indicates a single PCR product. The PCR products were purified and sequenced.
Figure S2. Time course of aquaporin-2 protein abundance in mpkCCD cells in response to dDAVP using immunoblotting. The mpkCCD cells were grown on membrane supports until confluence and then exposed to 0.1 nM dDAVP or vehicle. Proteins were collected every two days over 10 days. 20 μg protein were used for immunoblotting and probed with an antibody against AQP2. Both glycosylated (Gly-AQP2) and non-glycosylated aquaporin-2 (non-Gly-AQP2) were detectable by the antibody. Each experiment was standardized against a 3 μg total protein loading control (Coomassie blue staining not shown). 3 experiments were shown.
Figure S3. Protein abundance measurements in mpkCCD cells in response to dDAVP using immunoblotting. The mpkCCD cells were grown on membrane supports until confluence and then exposed to 0.1 nM dDAVP or vehicle for 5 days. Proteins were collected and 20 μg protein were used for immunoblotting and probed with indicated antibodies. Band density was determined by near-infrared fluorescence using an Odyssey Infrared Imaging System. Log2 values of the protein abundance ratios for paired dDAVP- and vehicle-exposed cells are shown on the right [mean ± SE, * P< 0.05 versus log2(1)]. The RefSeq accession numbers are: *Actn4*, NP_068695; *Add1*, NP_001095914; *Akap12*, NP_112462; *Aqp2*, NP_033829; *Capg*, NP_031625; *Car2*, NP_033931; *Ctsd*, NP_034113; *Flii*, NP_071292; *Gsn*, NP_666232; *Itgb1*, NP_034708; *Lima1*, NP_075550; *Macf1*, NP_033730; *Mal2*, NP_849251; *Nherf1*, NP_036160; *Spnb2*, NP_787030; and *Tgm2*, NP_033399.
Figure S4. Comparison of data-dependent (non-targeted) LC-MS/MS quantification with targeted multiple-reaction monitoring LC-MS/MS. Both techniques used SILAC labeling. Values for targeted and non-targeted LC-MS/MS were obtained independently in separate sets of experiments. The RefSeq accession numbers are: Aqp2, NP_033829; Atp1a1, NP_659149; Dst, NP_598594 or NP_604443; Lamp2, NP_034815; Mal2, NP_849251; Mon2, NP_700444; Nherf1, NP_036160; Rab7, NP_033031; and Tjp1, NP_033412.
The mouse aquaporin-2 and gasdermin C2 sequences are shown in Figure S5. The 1,000 base nucleotide sequences in the 5'-flanking regions of aquaporin-2 and gasdermin C2 are compared across human, dog, rat, and mouse. The sequences are shown in the following order:

**Mouse aquaporin 2**

AGTAGTTCTGCTTGGCTCCCAAGCAAGGAGCCGAGCTGCTGAAGTGGGACACCATCTCTCCTTCTGCTGAGGATTGGAGAGT

**Dog aquaporin 2**

ATGGTCTTCTCCGTGGCAGCAGCAGAGGAGCTGCTGAGGAggacctgctacatgagtaacctcgagacccattctgctttca

**Human aquaporin 2**

AGAGCCAGGTGCTTGGCAGCAGCAGAGGAGCTGCTGAGGAggacctgctacatgagtaacctcgagacccattctgctttca

**Rat aquaporin 2**

AACGCCTCCTCCTCCACCCCAGTGCCAGGTCTACGATAGGAAGGCCCTATAAGTGCCCACAGTCTAGCCTCTCCGGAGGCCCAGAGGAAAG

**Mouse gasdermin C2**

CTTCTTCTCAGAAAGACATACCTGAGCTGCTGAGGATGGGAGCCGAGCTGCTGAGGAggacctgctacatgagtaacctcgagacccattctgctttca

**Dog gasdermin C2**

CACCCCGGCGCTTGGCAGCAGCAGAGGAGCTGCTGAGGAggacctgctacatgagtaacctcgagacccattctgctttca

**Human gasdermin C2**

CACCCCGGCGCTTGGCAGCAGCAGAGGAGCTGCTGAGGAggacctgctacatgagtaacctcgagacccattctgctttca

**Rat gasdermin C2**

AACCCCGGCGCTTGGCAGCAGCAGAGGAGCTGCTGAGGAggacctgctacatgagtaacctcgagacccattctgctttca

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Figure S5. 1,000 base nucleotide sequences in the 5’-flanking regions of aquaporin-2 and gasdermin C2. Human, dog, rat, and mouse aquaporin-2 and gasdermin C2 sequences are shown.