

Table S1. Normalized fold expression of different tight junction protein mRNA levels after 4h incubation with 400 μ M quercetin (n = 4, * $p < 0.05$).

| gene | tissue | normalized fold expression (mean \pm SEM) | p-value |
|-----------|--------|--|---------|
| claudin 1 | PP | 0.81 \pm 0.28 | 0.53 |
| | VE | 1.40 \pm 0.76 | 0.61 |
| claudin 2 | PP | 0.97 \pm 0.26 | 0.91 |
| | VE | 0.75 \pm 0.18 | 0.22 |
| claudin 4 | PP | 1.24 \pm 0.52 | 0.66 |
| | VE | 1.7 \pm 0.26 | 0.037 * |

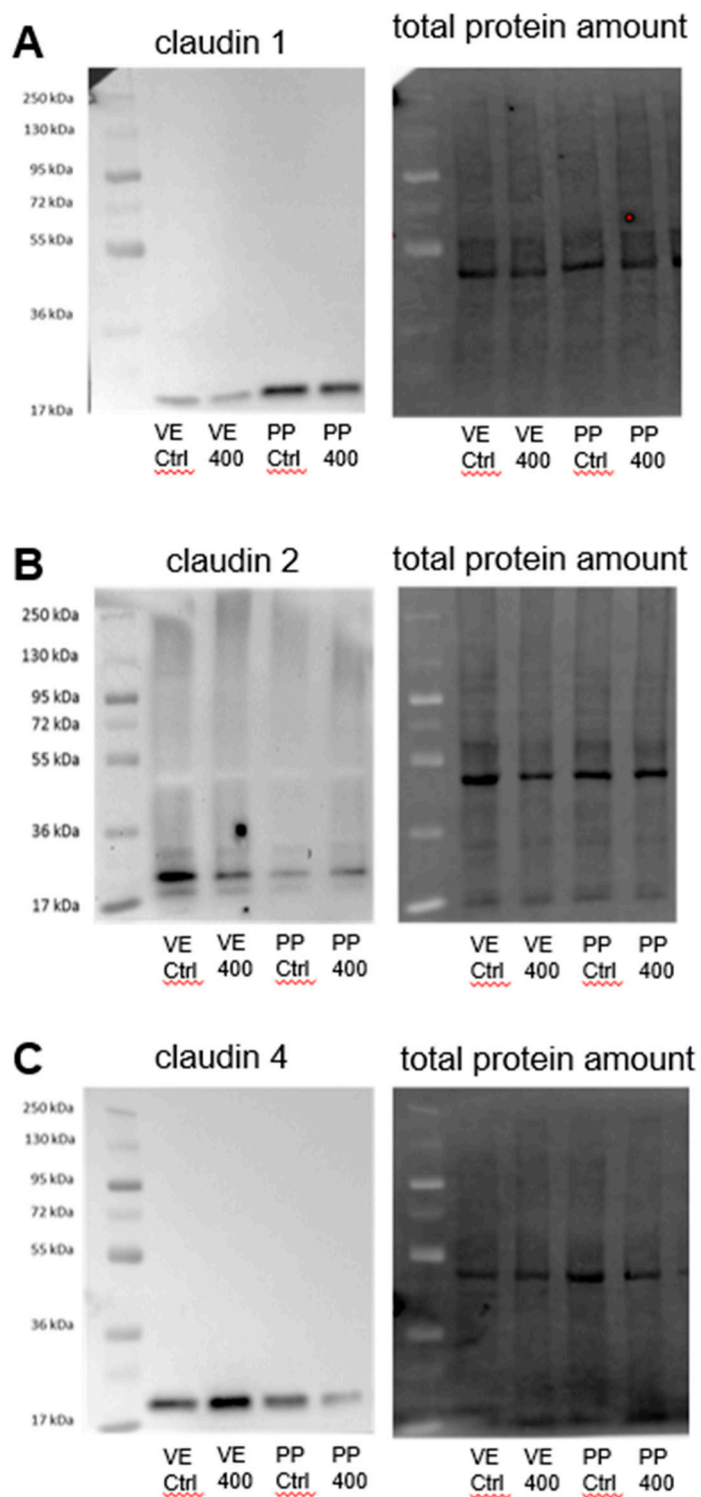


Figure S1. Quantitative protein analysis: PVDF membranes after detection of the total protein amount and the visualized protein bands. Proteins were extracted after 4h of incubation with quercetin Representative membranes were chosen.