**Table S6 - Membrane cholesterol depletion alters GlyT2 functionality†.**

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| --- | --- | --- |
| **Treatment** | **Kinetic Parameters** | |
| **MβCD** | **Km (µM)** | **Vmax** |
| Baseline | 18.59  (16.44 – 21.02) | 0.9984  (0.9666 – 1.031) |
| 0 mM | 15.26  (11.23 – 20.63) | 1.041  (0.9639 – 1.124) |
| 15 mM | 11.66  (8.57 – 15.78) | 0.5936\*\*\*\*  (0.5508 – 0.6390) |
| **γCD** | Km (µM) | Vmax |
| **Baseline** | 27.02  (24.09 – 30.30) | 0.99  (0.96 – 1.03) |
| **15 mM** | 23.53  (18.19 – 30.41) | 0.86\*\*  (0.80 – 0.92) |

**†** GlyT2 function was assessed by measuring transport dependent currents following application of increasing glycine concentrations (1-300 µM) before, and after, incubation of *Xenopus laevis* oocytes with methyl-β-cyclodextrin (MβCD) or γ-cyclodextrin (γCD) for 30 minutes at 32°C. Values are presented as mean (95% confidence interval) with n ≥ 5. Differences in Km and Vmax values between control and MβCD or γCD treated oocytes were determined using a two-way paired t-test.

Data information: Statistical significance is presented as \* p ≤ 0.05, \*\* p ≤ 0.01, \*\*\* p ≤ 0.001 and \*\*\* p ≤ 0.0001.