**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.