**Supplemental Table 1: Choline metabolite concentrations in *Chdh+/+* and *Chdh-/-* epididymis**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | **Betaine** | **Choline** | **GPCho** | **PCho** | **PtdCho** | **SM** |
|  |  | (nmol/g) | (nmol/g) | (nmol/g) | (nmol/g) | (nmol/g) | (nmol/g) |
| **Epididymis** |  |  |  |  |  |  |  |
|  | ***Chdh+/+*** | 2602 ± 688 | 1442 ± 459 | 20582 ± 1389 | 952 ± 60 | 14085 ± 917 | 2556 ± 104 |
|  | ***Chdh-/-*** | 2 ± 2\* | 2235 ± 497\* | 32405 ± 6208 | 798 ± 172 | 12233 ± 2203 | 2525 ± 168 |