Supplementary Material

# Supplementary Table 1

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| **Table 1.** Urinary androgen metabolites in female Olympic athletes and controls not using hormonal contraception.  |
| **U- androgen metabolites** | **Controls** | **Athletes** |
| n | 55 | 58 |
| U- Testosterone (ng/mL) | 7.00 (4.27-16.33) | 5.10 (2.75-9.05)\* |
| U- Epitestosterone (ng/mL) | 14.93 (10.41-24.01) | 8.80 (4.78-13.45)\*\*\* |
| U- Androsterone (ng/mL) | 3397 (2079-6191) | 2418 (1313 -3666)\*\* |
| U- Etiocholanolone (ng/mL) | 3963 (2592-5575) | 2864 (2034 -4843)\* |
| U- 5αAdiol (ng/mL) | 36.1 (24.4-64.2) | 23.6 (15.9-35.9)\*\*\* |
| U- 5βAdiol (ng/mL) | 85.9 (51.6-186.9) | 93.2 (41.8-144.7) |
| T:E ratio  | 0.6 (0.4-0.9) | 0.7 (0.3-1.2) |
| A:Etio ratio  | 1.0 (0.8-1.2) | 0.8 (0.6-1.2) |
| A:T ratio  | 458 (294-647) | 407 (287-696) |
| 5αAdiol:E | 2.5 (1.5-3.9) | 3.0 (1.8-4.3) |
| 5αAdiol:5βAdiol | 0.4 (0.2-0.7) | 0.3 (0.2-0.6)\* |
| Values presented as median and interquartile range (25th-75th percentile). 5αAdiol=U-5α-Androstane-3α,17β-diol, 5βAdiol=U-5β-Androstane-3α,17β-diol, A=androsterone, E=epitestosterone, Etio=etiocholanolone, T=testosterone. \*p < 0.05, \*\*p < 0.01, \*\*\*p < 0.001. |