



Figure S3B. Metabolite concentrations with regard to the different cohorts. Thirty-three metabolites with significant differences ( $p < 0.05$ ) between performer classes. Metabolites/ratios with  $q$ -values  $< 0.05$  are denoted as †. 19 metabolites/ratios belong to acylcarnitines, 8 can be attributed to the arginine metabolism. \*  $p < 0.05$ , \*\*  $p < 0.01$ , \*\*\*  $p < 0.001$ , NS. Non-significant. (B). Significant differences regarding changes from T1 to T3. Significance levels refer to the differences from T1 to T3 within each performer group, Table S1. Metabolites with significantly different ( $p < 0.05$ ) log2-fold changes of T1 normalized time points within the performer classes, Table S2: Metabolites with significantly different ( $p < 0.05$ ) log2-fold changes of T1 normalized time points between the performer classes.