**Supporting Information**

**Metabolic analyses revealed time-dependent synergistic killing by colistin and aztreonam combination against multidrug-resistant *Acinetobacter baumannii***

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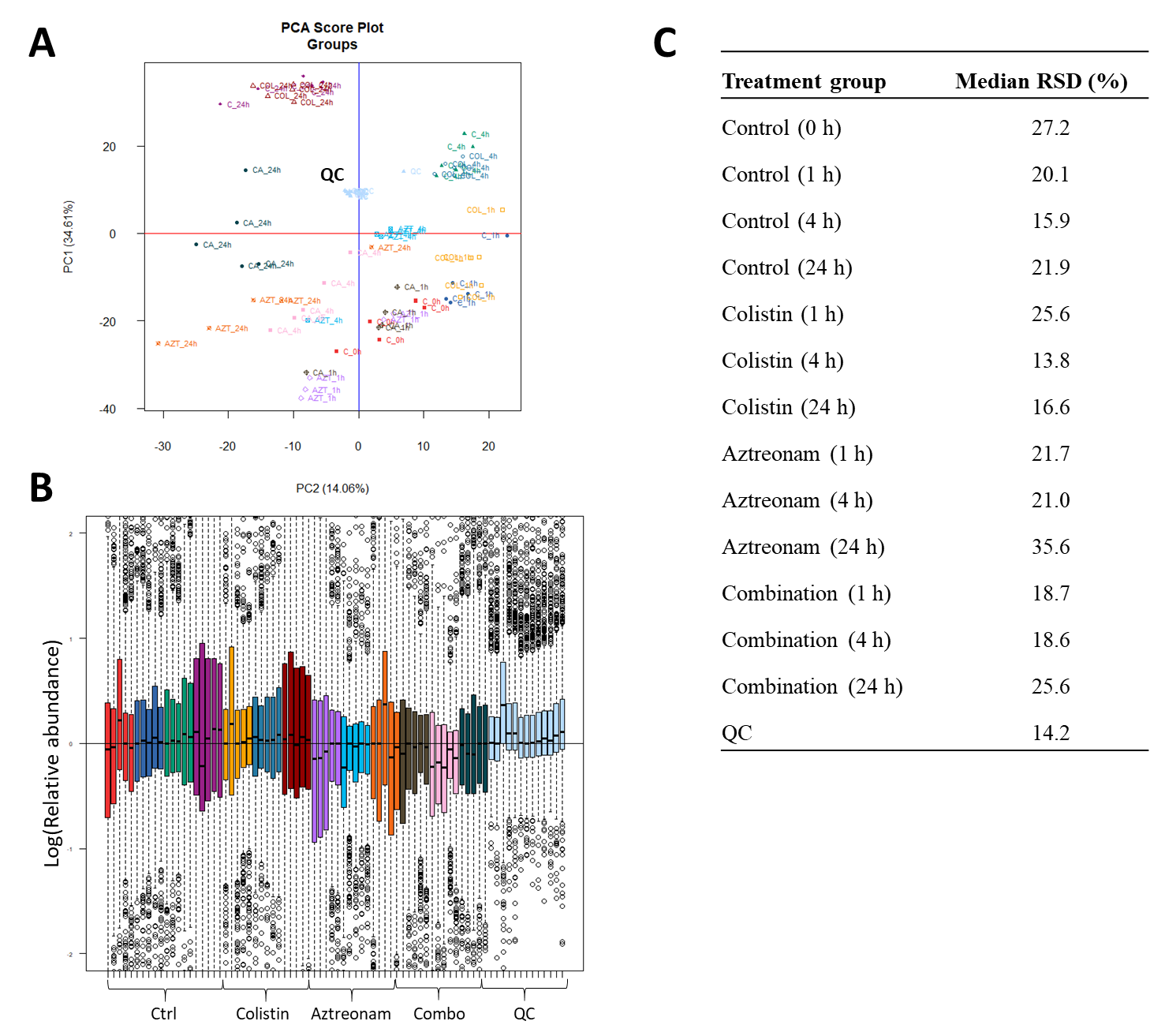
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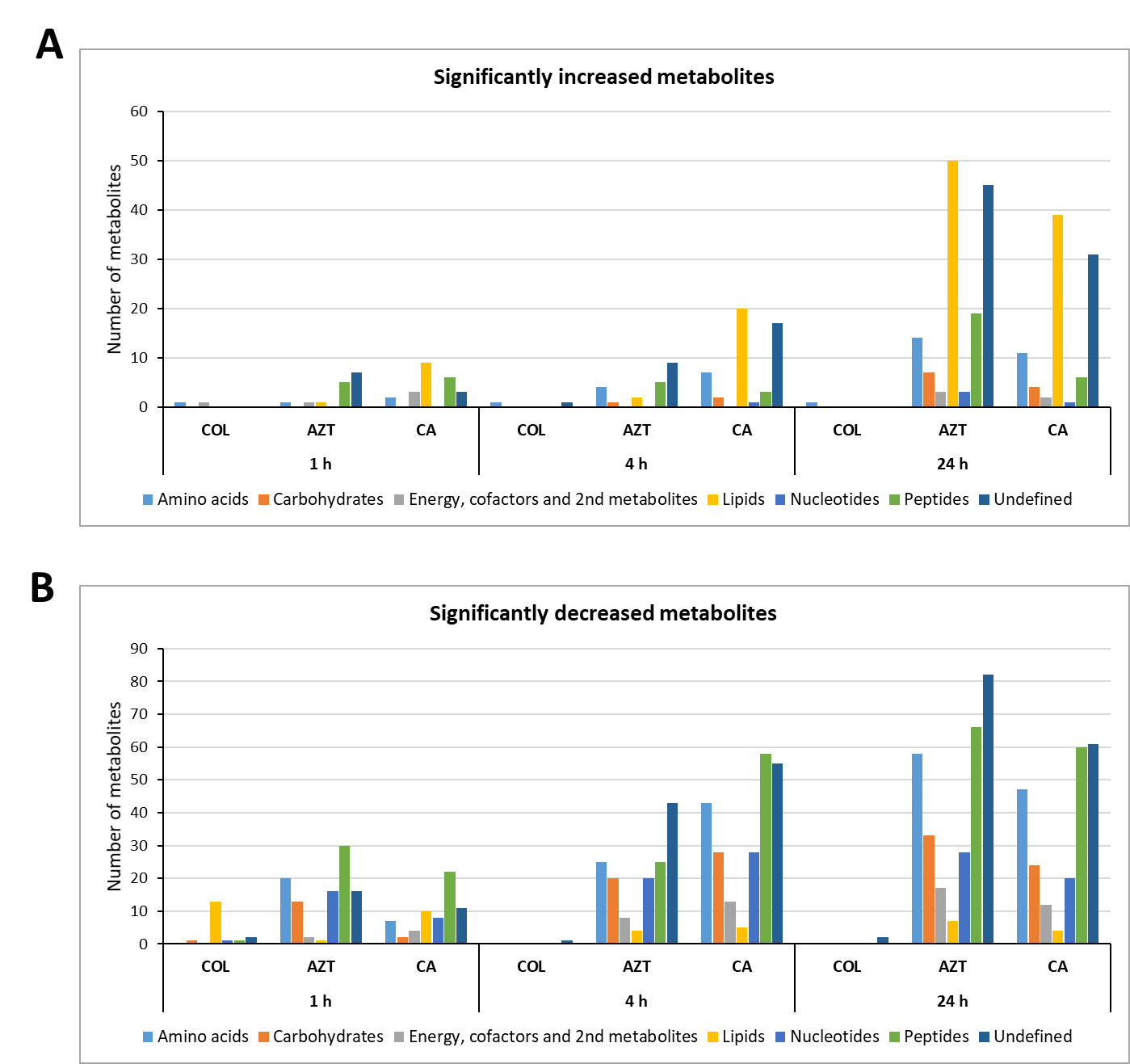
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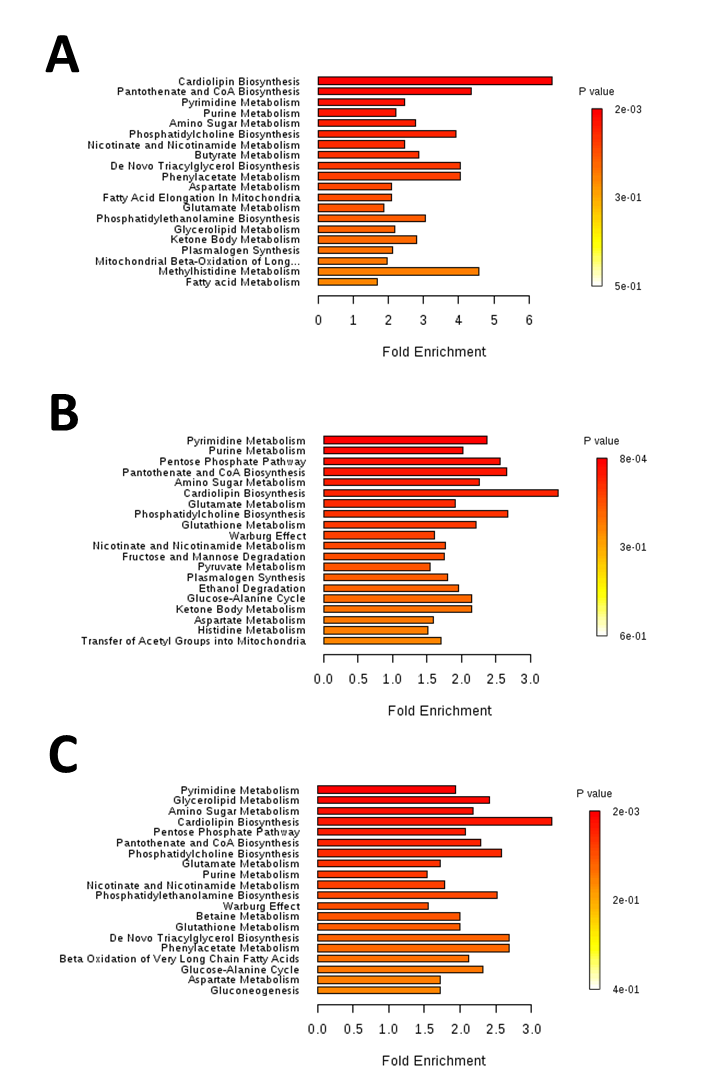
**Running title:** Colistin and aztreonam against *Acinetobacter baumannii*.



**Figure S1.** **(A)** PCA score plot of all metabolites from the intracellular metabolite and QC samples of *A. baumannii* AB090342; **(B)** Log-transformed relative abundance of each sample; and **(C)** Data precision of individual samples represented as the median relative standard deviation (RSD) for all metabolites based on all replicates of each group.Four quality controls (QCs) were analyzed within the same LC-MS batch with treated and untreated samples. Each dataset represents five biological replicates.



**Figure S2.** Numbers of significantly increased and decreased metabolites in major metabolic pathways in *A. baumannii* AB090342 due to treatments with colistin (COL), aztreonam (AZT) and the combination (CA) at 1, 4 and 24 h (FDR < 0.05, *p* < 0.05, and fold change (FC) ≥ 2, one-way ANOVA).



**Figure S3.** Top 20 perturbed pathways identified by enrichment analysis in *A. baumannii* AB090342 due to treatments with colistin, aztreonam and the combination at **(A)** 1 h, **(B)** 4 h and **(C)** 24 h (FDR < 0.05, *p* < 0.05, and FC ≥ 2, one-way ANOVA).