

Supplementary Figures

Fig. S1 Evaluation of purine pathway in pancreatic cancer models.

(a) Relative purine metabolite levels in 10, 15, and 25 weeks old KPC mice. (b) Relative purine metabolite levels in orthotopically implanted mice. (c) Relative purine metabolite levels in KPC cell lines. Abbreviations: IMP, inosine monophosphate; AMP, Adenosine 5'-monophosphate; dAMP, Deoxyadenosine 5'-monophosphate; ADP, adenosine 5'-diphosphate; ATP, adenosine 5'-triphosphate; GMP, Guanosine 5'-monophosphate; dGMP, Deoxyguanosine 5'-monophosphate; dGDP, Deoxyguanosine 5'-diphosphate. Data are represented as mean $\pm$ SEM. The bar charts in (a) and (b) were compared by Student's t-test * $p < 0.05$. Bar charts in (c) were compared by one-way ANOVA followed by Tukey's posthoc test # $p < 0.01$ and \$ $p < 0.001$.

Fig. S2 Evaluation of amino acids levels in pancreatic cancer models.

(a) Relative amino acids levels in 10, 15 and 25 weeks old KPC mice. (b) Relative amino acids levels in orthotopically implanted mice. (c) Relative amino acids levels in KPC cell lines. Data are represented as mean $\pm$ SEM. The bar charts in (a) and (b) were compared by Student's t test * $p < 0.05$, ** $p < 0.01$, and *** $p < 0.001$. Bar chart in (c) was compared by one-way ANOVA followed by Tukey's post-hoc test * $p < 0.05$ and ***\$ $p < 0.001$.

Fig. S3 Metabolic pathway impact analysis.

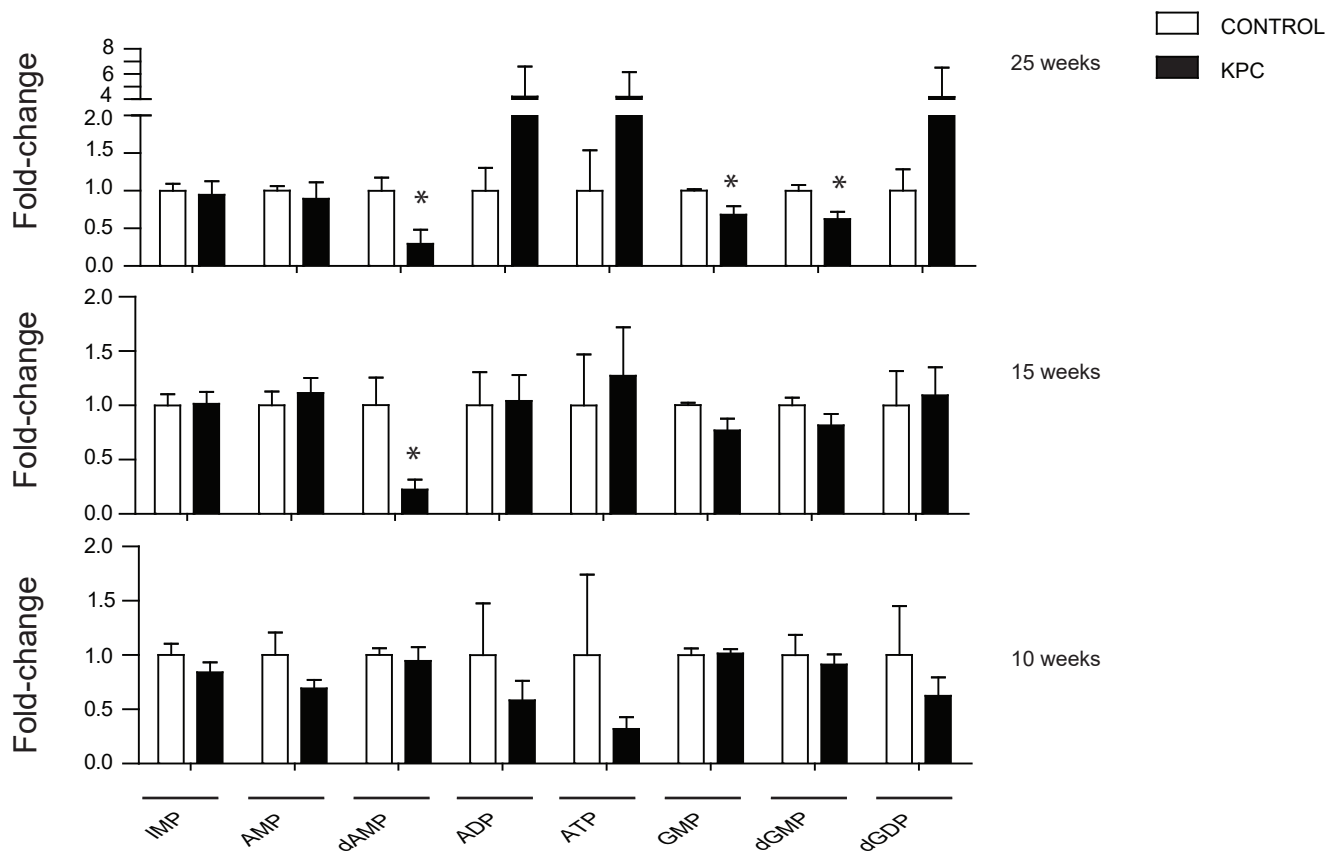
Representation of significantly upregulated metabolites analyzed by Metaboanalyst 3.0 in KCP mice tumors versus control mice pancreas.

Fig. S4 Schematic representation of metabolic alterations.

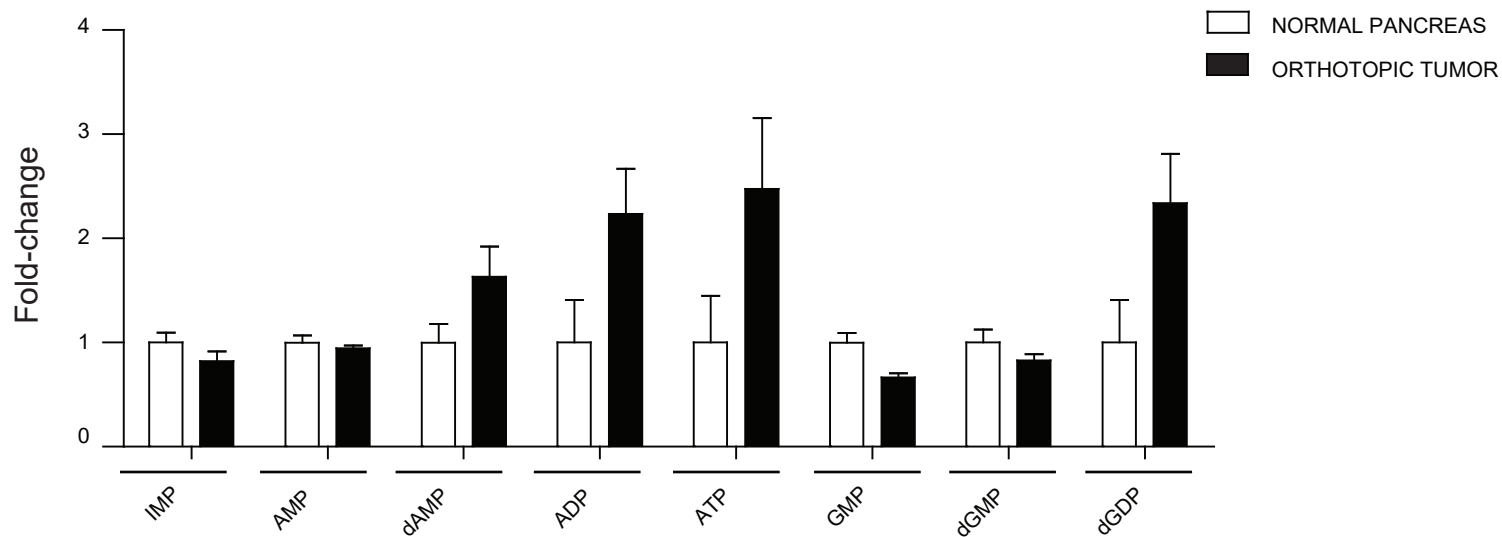
(a) Illustration of metabolic changes in 25 weeks-old mice, orthotopic implanted mice and cancer cell lines. Dashed arrows indicate the presence of one or more intermediate steps between the metabolites.

Figure S1

a



b



c

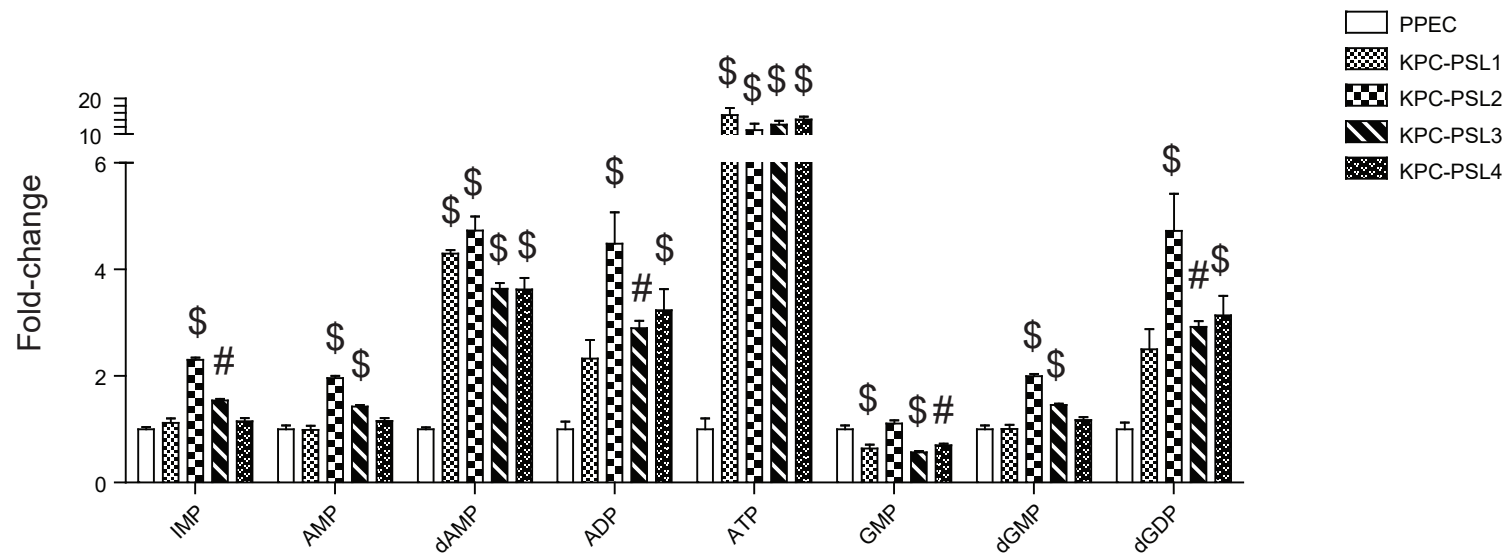
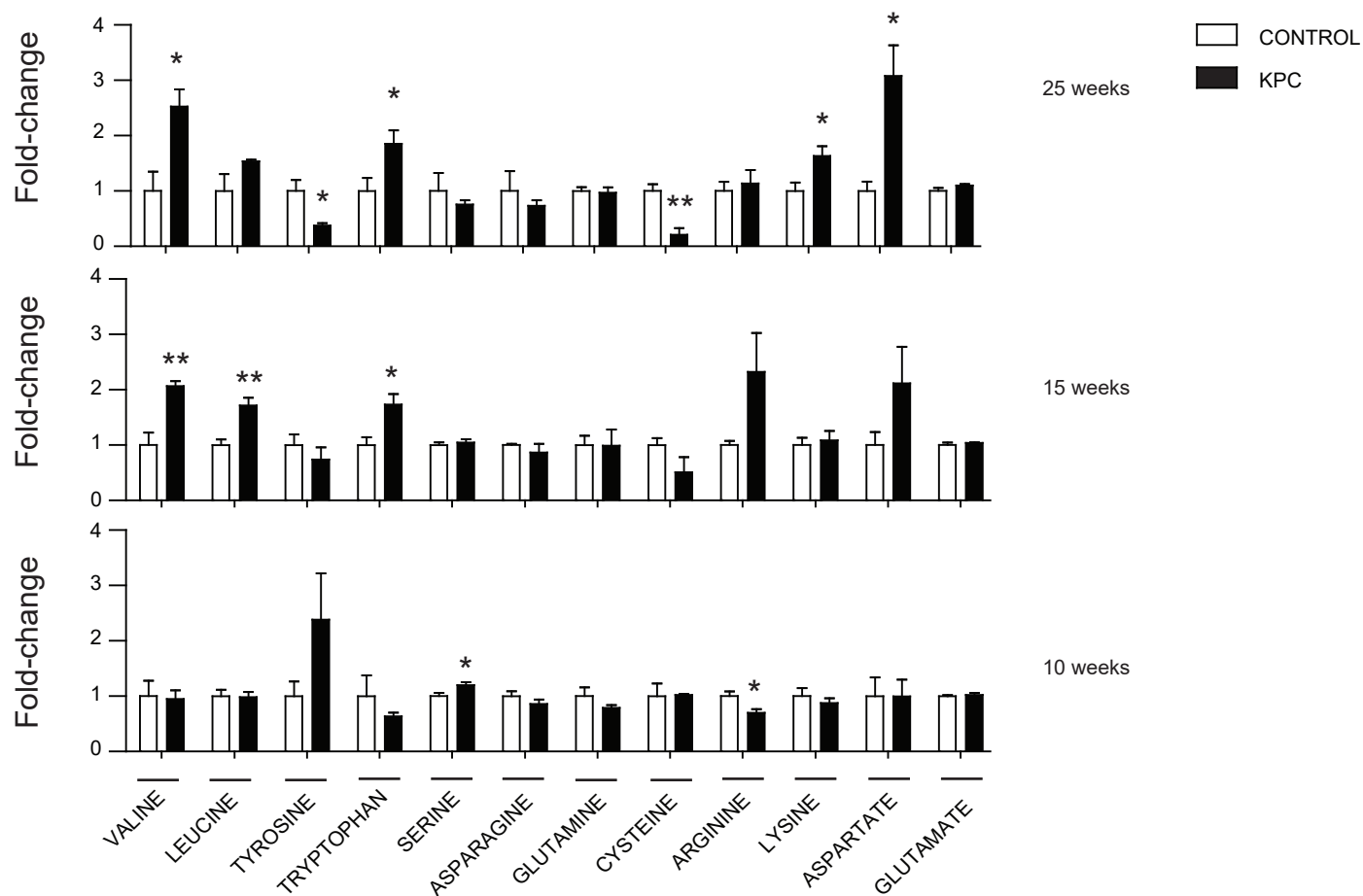
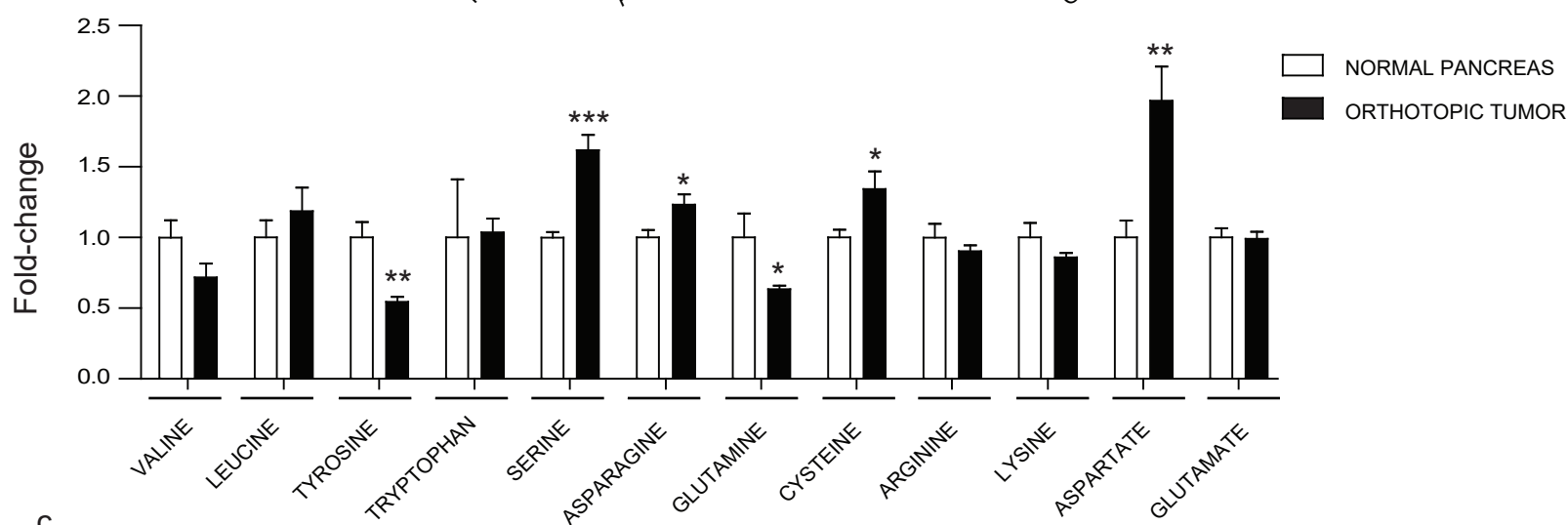


Figure S2

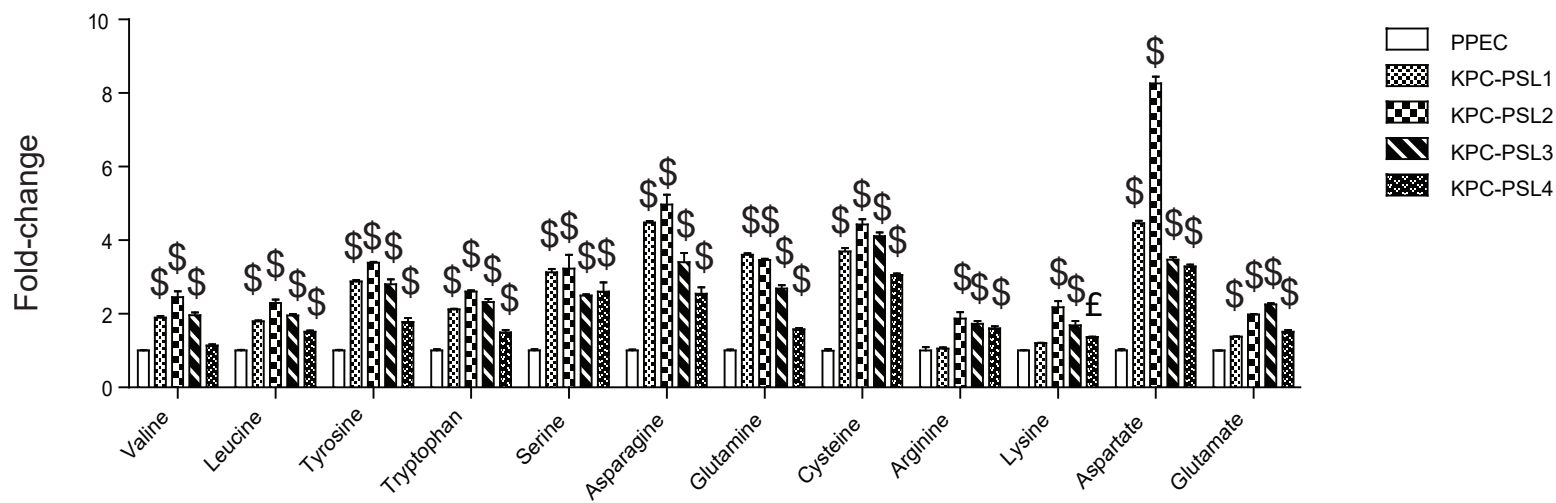
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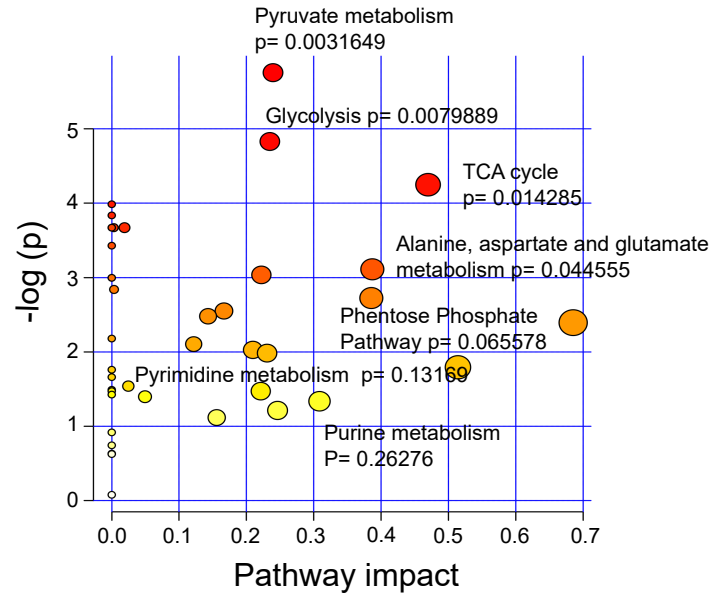
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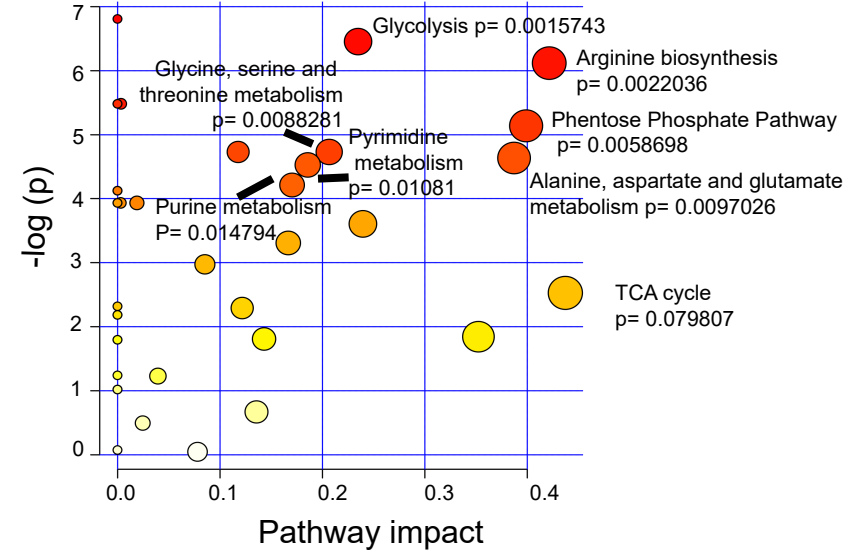
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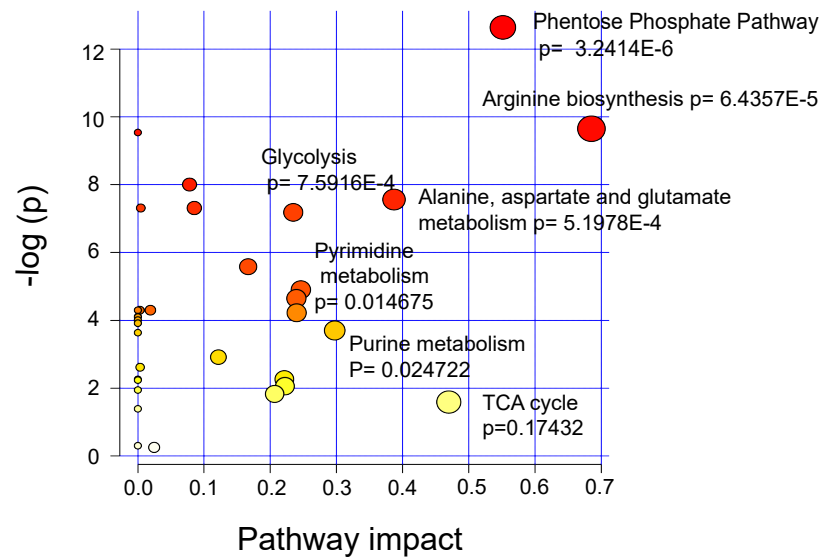
15-week-old KPC mice



25-week-old KPC mice



Orthotopically implanted mice



KPC cell lines

