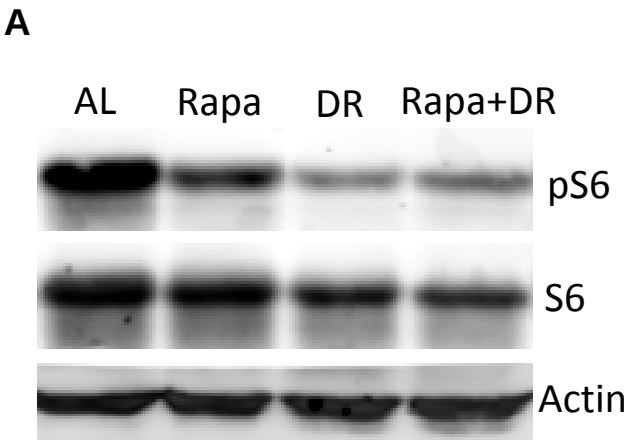
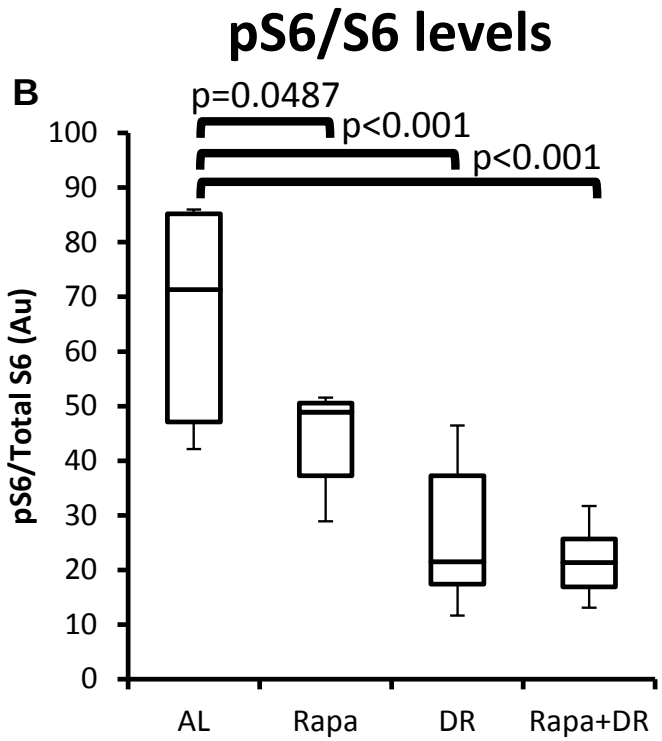
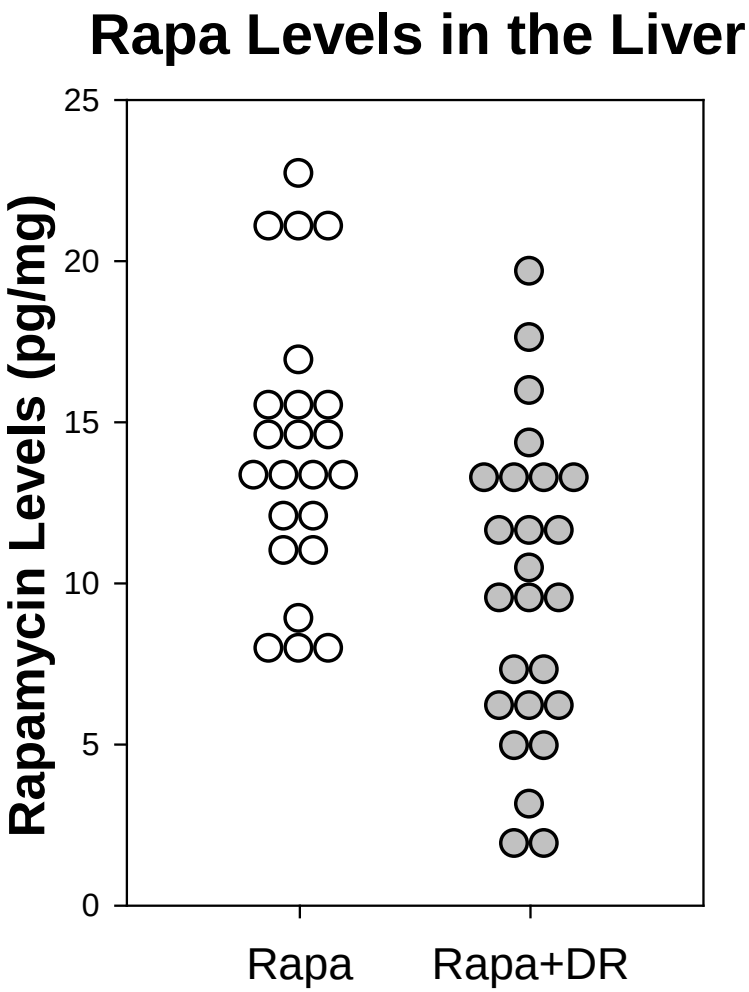




Fok et al., Supplementary Figure 1



Fok et al., Supplementary Figure 2

Quadratic Discriminant Analysis				
	AL (11)	DR (11)	Rapa (12)	Rapa+DR (12)
AL	8 (73%)	0 (0%)	2 (17%)	0 (0%)
DR	0 (0%)	7 (64%)	0 (0%)	2 (17%)
Rapa	3 (27%)	1 (9%)	10 (83%)	1 (8%)
Rapa+DR	0 (0%)	3 (27%)	0 (0%)	9 (75%)

Fok et al., Supplementary Table 1

A. %Up-regulated

	DR	Shared	Rapa
15% (q<0.05)	59.1%	25.6%	15.3%
20% (q<0.05)	63.6%	24.5%	11.9%
30% (q<0.05)	70.8%	20.4%	8.8%
15% (q<0.001)	61.0%	15.6%	23.4%

B. %Down-regulated

	DR	Shared	Rapa
15% (q<0.05)	22.5%	9.1%	68.4%
20% (q<0.05)	22.2%	7.3%	70.6%
30% (q<0.05)	30.4%	5.8%	63.8%
15% (q<0.001)	56.3%	5.4%	38.4%

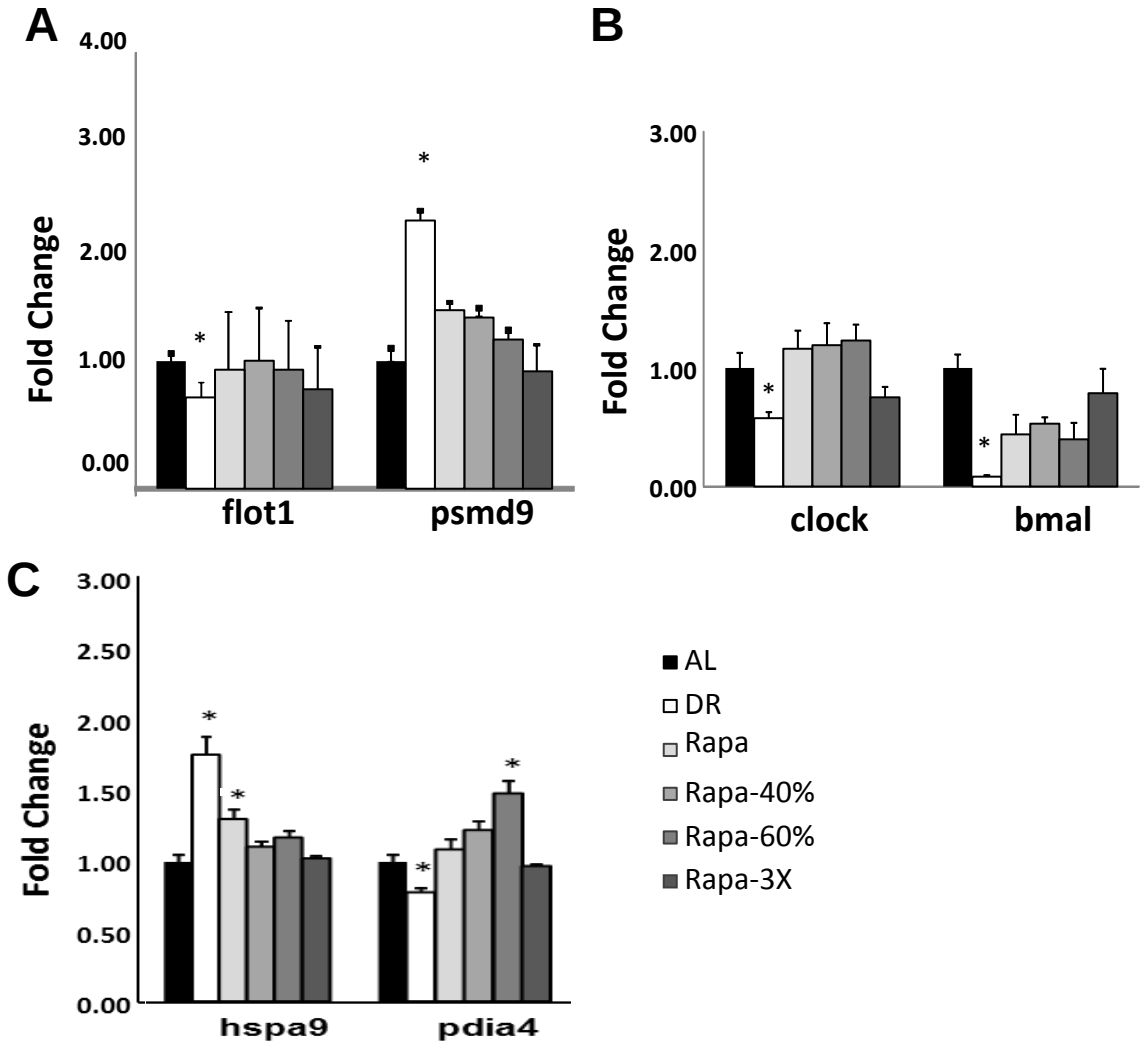
C. %Up-regulated

	DR	Rapa	RDR	DR, Rapa	Rapa, Rapa+DR	DR, Rapa+DR	All 3
15% (q<0.05)	9.7%	3.8%	35.4%	0.2%	6.1%	28.5%	16.3%
20% (q<0.05)	9.8%	3.2%	31.9%	0.2%	4.9%	33.5%	16.5%
30% (q<0.05)	11.6%	3.0%	29.2%	0.3%	3.3%	38.6%	14.1%
15% (q<0.001)	3.1%	3.6%	57.2%	0.2%	6.4%	23.0%	6.5%

D. %Down-regulated

	DR	Rapa	RDR	DR, Rapa	Rapa, Rapa+DR	DR, Rapa+DR	All 3
15% (q<0.05)	1.4%	26.6%	48.6%	0.3%	8.5%	10.1%	4.4%
20% (q<0.05)	1.7%	41.0%	31.1%	0.2%	7.6%	13.6%	4.8%
30% (q<0.05)	1.3%	38.1%	32.6%	0.0%	4.9%	19.2%	3.9%
15% (q<0.001)	1.3%	12.9%	58.3%	0.1%	3.1%	22.1%	2.1%

Fok et al., Supplementary Table 2



Fok et al., Supplementary Figure 3

A

Calories provided by:	
Carbohydrates	65.43%
Protein	22.38%
Fat	12.19%

B

Diet Composition	
Carbohydrates	**55.50%**
Starch	40.70%
Surcose	0.58%
Fructose	0.19%
Glucose	0.16%
Protein	**19.00%**
Glutamic Acid	4.35%
Aspartic Acid	1.77%
Leucine	1.52%
Alanine	1.12%
Arginine	0.99%
Lysine	0.93%
Serine	0.93%
Glycine	0.92%
Valine	0.88%
Isoleucine	0.83%
Phenylalanine	0.83%
Methionine	0.73%
Threonine	0.66%
Tryosine	0.54%
Histidine	0.43%
Cystine	0.25%
Tryptophan	0.22%
Taurine	0.03%
Fat	**10.20%**
Linoleic Acid	2.07%
Monosaturated Fatty Acids	1.04%
Saturated Fatty Acids	1.01%
Omega-3 Fatty Acids	0.33%
Linolenic Acid	0.23%
Arachidonic Acid	0.01%

Fok et al., Supplementary Table 3

% Genes potentiated by the combined treatment (DR+Rapa)					
% Downregulated genes			% Upregulated genes		
DR only	Rapa only	both	DR only	Rapa only	both
4.6	59.8	35.6	88.3	0	11.7

Fok et al., Supplementary Table 4

- In “SF1- Dataset.xls”
- Tab1- Genes
- Tab2- IPA for DR/AL
- Tab3- IPA for Rapa/AL
- Tab4- IPA for RDR/AL
- Tab5- Pathway Comparison
- Tab6- Metabolites