

Upstream Regulators (IPA®)	HTN vs. Ctrl (z-score)	HTN-T2DM vs. Ctrl. (z-score)	Main cellular function
RICTOR	3	8.752	Subunit of mTORC2. Regulation of cellular processes
MAP4K4	-	6.164	Anti-oxidation
CD 437	2	5.425	Pro-apoptosis
NUPR1	2	-	Anti-oxidation
PPAR _γ	-	-3.168	Regulation of lipid metabolism
CD28	-2	-3.965	Anti-inflammation
NFE2L2	-	-4.201	Anti-oxidation
PPAR _α	-	-4.423	Regulation of lipid metabolism
CD3	-2	-4.876	Anti-inflammation
MYCN	-2.985	-5.565	Cardiomyocyte proliferation
PGC1 _α	-	-6.069	Mitochondrial biogenesis/metabolism
INSR	-	-6.215	Regulation of glucose/lipid metabolism
MYC	-2.701	-6.216	Regulation of glucose metabolism/mitochondrial biogenesis

	z-score ≥5
	2 ≤ z-score < 5
	-5 < z-score ≤ -2
	z-score ≤ -5
-	-2 < z-score < 2; p> 0.05

Table 3