**Table S4. Cellular processes and pathway analysis of the differentially regulated proteins in response to mimics and antagomirs of miR-153-3p and miR-205-5p**

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| **miR-153-3p** | **miR-205-5p** |
| **Mimic** | **Antagomir** | **Mimic**  | **Antagomir** |
| Citrate cycle (TCA cycle) Base excision repairPrion diseases Pyruvate metabolismProteasomeGlycolysisGluconeogenesis RNA degradationCarbon metabolism HIF-1 signaling pathwayTuberculosisMetabolic pathways | GlycolysisGluconeogenesisAmino acids biosynthesisLegionellosisRNA degradationPancreatic secretionCarbon metabolismPertussisFc gamma R-mediated phagocytosisOocyte meiosisPyrimidine metabolismRibosomeLysosomeCell cycleHIF-1 signaling pathwayAxon guidanceNeurotrophin signaling RNA transportHippo signaling pathwayPurine metabolismActin regulationViral carcinogenesisEpstein-Barr virus infectionOlfactory transductionPI3K-Akt signaling Metabolic pathways | Amino acids biosynthesisCarbon metabolism2-Oxocarboxylic acid metabolismAlzheimer's diseaseMetabolic pathwaysCitrate cycle (TCA cycle)Cysteine and methionine metabolismProteasomeGlycolysis GluconeogenesisPertussisFc gamma R-mediated phagocytosisHIF-1 signaling pathwayAxon guidanceRNA transportEpstein-Barr virus infectionActin regulation | Leishmaniasis PertussisFc gamma R-mediated phagocytosisPyrimidine metabolismLeukocyte transendothelial migrationAxon guidanceSpliceosomePurine metabolismPhagosomeOsteoclast differentiationHerpes simplex infectionActin regulation Metabolic pathways |
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