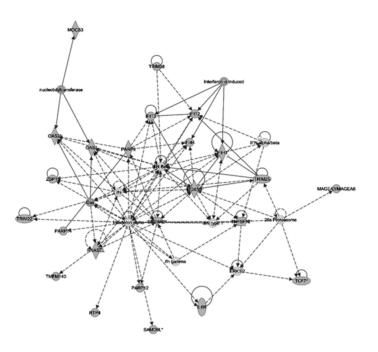
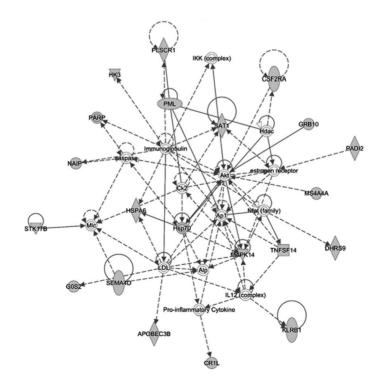
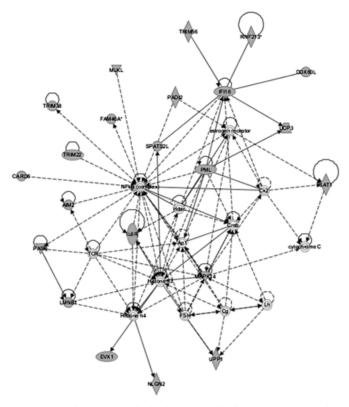
ADDITIONAL FILE 5.

Gene network analysis. Analyzes were performed using Ingenuity Pathways Analysis (IPA) program.

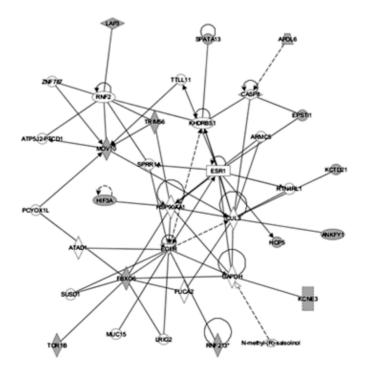


A) Antimicrobial response, inflammatory response, infectious diseases

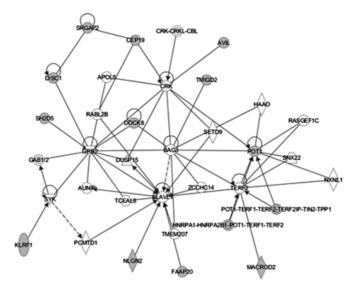




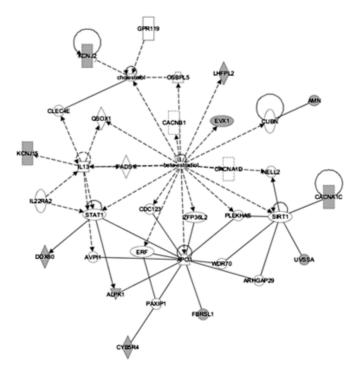
C) Respiratory disease, carbohydrate metabolism, energy production



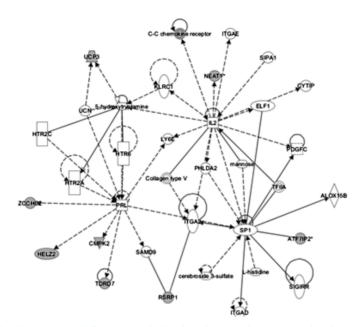
D) Carbohydrate metabolism, cell morphology, cellular function and maintenance



E) Cell-to-cell signaling and interaction, hematological system development and function, inflammatory response



F) Developmental disorder, hereditary disorder, metabolic disease



G) Connective tissue development and function, skeletal and muscular system development and function, tissue development