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gene profile

Qi Wang¹

¹BGI



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The calculation of gut metabolic modules form



🔔 🛮 Qi Wang 🌎



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GUIDELINES

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BEFORE STARTING

The input is the gene profile

- Step 1: the putative amino acid sequences were translated from the gene catalogues and aligned against the proteins/domains in the KEGG databases (release 79.0, with animal and plant genes removed) using BLASTP (v2.2.26, default parameter except that -e 0.01 -b 100 -K 1 -F T -m 8). Each protein was assigned to the KO group by the highest scoring annotated hit(s) containing at least one HSP scoring >60 bits. The relative abundance profile of KOs was determined by summing the relative abundance of genes from each KO.
- Step 2: The calculation of gut metabolic modules by one command: 'java -jar gmms.jar -a 2 -d GMMs.v1.07.txt -i input_KO_profile -s average -o index' You could refer to the http://www.raeslab.org/companion/gmms/ for 'gmms.jar' and 'GMMs.v1.07.txt'.

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