

Supplementary Table 3: Graph database queries and query results.

Query No.	Query Description	Query Result
1	Retrieve meta-proteins with proteins and peptides.	712 meta-proteins 1351 proteins 1140 peptides
2	Retrieve meta-proteins with proteins and peptides, excluding keratin.	702 meta-proteins 1236 proteins 947 peptides
3	Retrieve proteins grouped by meta-proteins, ontologies and taxonomies.	229 taxonomies 150 ontologies 428 meta-proteins 820 proteins
4	Retrieve proteins grouped by meta-proteins and taxonomies of methanogenesis pathway.	Protein P07962 (Methyl CoM Reductase)