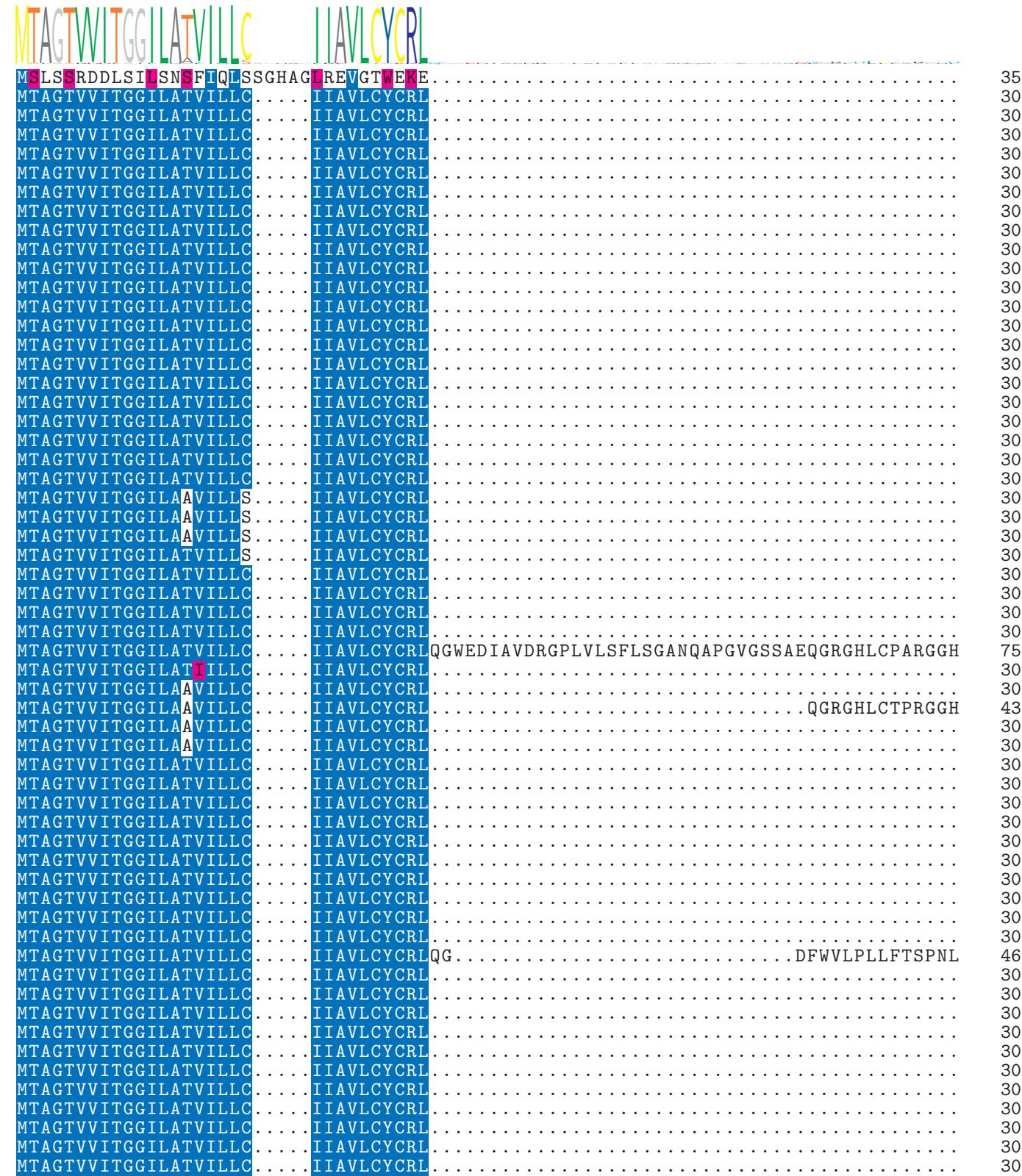
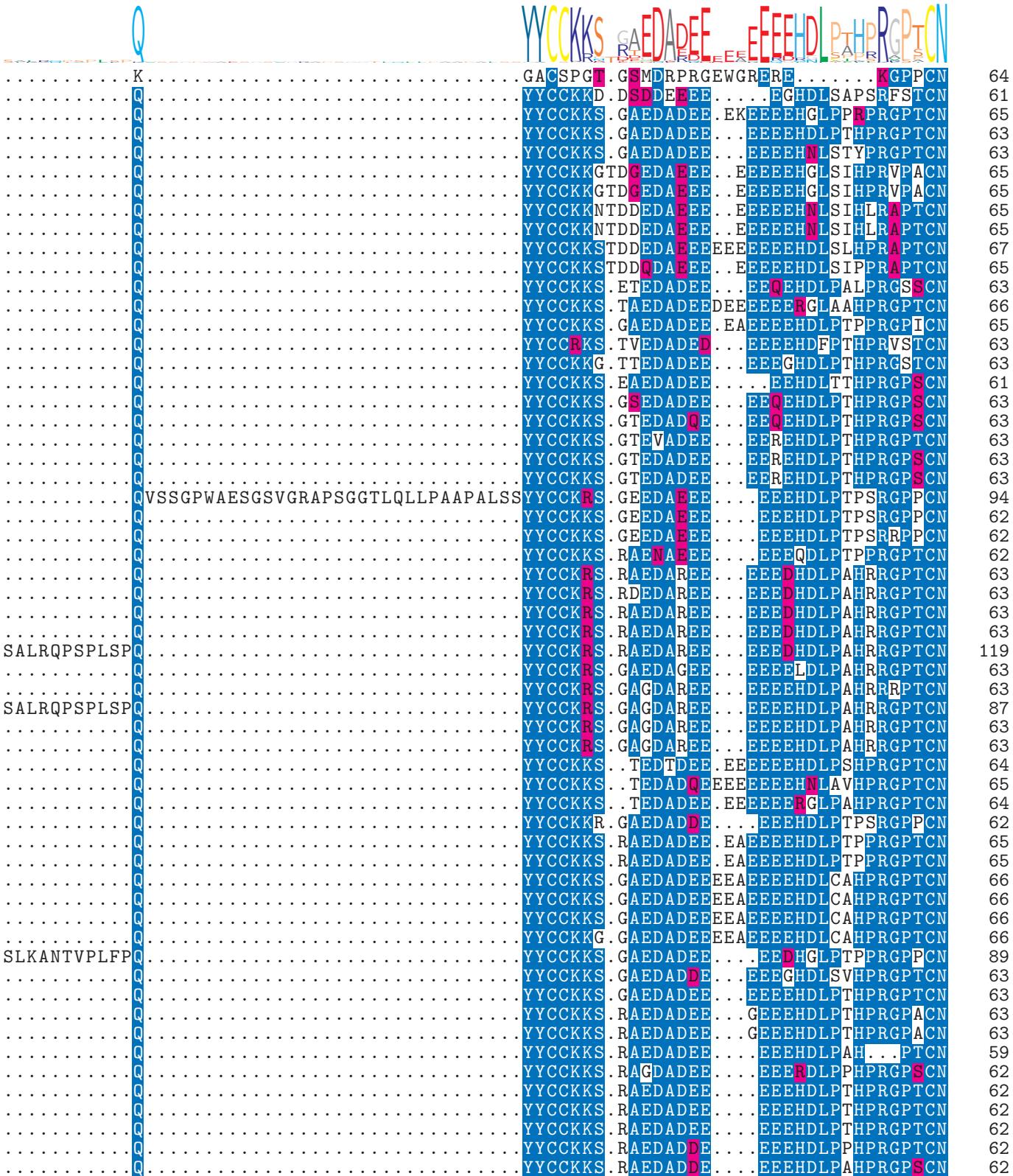


logo



logo

Pteropus vampyrus
 Phascolarctos cinereus
 Echinops telfairi
 Chryschloris asiatica
 Trichechus manatus latirostris
 Mus caroli
 Mus musculus
 Cricetulus griseus
 Mesocricetus auratus
 Microtus ochrogaster
 Neotoma lepida
 Carlito syrichta
 Sciurus carolinensis
 Equus przewalskii
 Dipodomys ordii
 Castor canadensis
 Galeopterus variegatus
 Daubentonia madagascariensis
 Sapajus apella
 Homo sapiens
 Macaca fascicularis
 Macaca mulatta
 Cnephaeus nilssonii
 Myotis brandtii
 Myotis davidii
 Erinaceus europaeus
 Lipotes vexillifer
 Neophocaena asiaeorientalis asiaeorientalis
 Tursiops truncatus
 Delphinapterus leucas
 Monodon monoceros
 Physeter macrocephalus
 Balaenoptera musculus
 Balaenoptera physalus
 Balaenoptera acutorostrata
 Eschrichtius robustus
 Heterocephalus glaber
 Octodon degus
 Fukomys damarensis
 Hipposideros armiger
 Ceratotherium simum simum
 Diceros bicornis minor
 Camelus bactrianus
 Camelus dromedarius
 Camelus ferus
 Vicugna pacos
 Galemys pyrenaicus
 Orycteropus afer afer
 Odocoileus virginianus
 Bos indicus
 Bos mutus
 Vulpes vulpes
 Mustela putorius furo
 Acinonyx jubatus
 Panthera pardus
 Puma concolor
 Ursus maritimus
 Leptonychotes weddellii



logo

The figure displays a massive grid of protein sequences, likely from the UniProt database, arranged in rows and columns. Each row represents a different protein, and each column represents a position in the sequence. The amino acids are color-coded according to their chemical properties: Histidine (red), Asparagine (blue), Glutamine (green), Alanine (yellow), Threonine (orange), Serine (pink), Tyrosine (purple), Cysteine (light blue), Methionine (brown), Isoleucine (tan), Leucine (grey), and Valine (light grey). The grid is extremely wide, showing thousands of sequences side-by-side.

A A P Q S Y P V T W P G S G R E A F T N P R A I S T D V

Pteropus vampyrus	AAPQSYPTWPGSGREAFTNPRAISTDV	168
Phascolarctos cinereus	SSLQSFPVTRPGLGREAFTNPRAISTEV	162
Echinops telfairi	AAPQSYPTWSGSGHEAFTNPRAISTDV	166
Chrysochloris asiatica	AMPQSYPTWPGSGHEAFTNPRAISTDV	167
Trichechus manatus latirostris	AVPQSYPTWPGSGHEAFTNPRAISTDV	169
Mus caroli	AAPQSYPTWPSSGHEAFTNPRAISTDV	168
Mus musculus	AAPQNYPVTWPSSGHEAFTNPRAISTDV	168
Cricetulus griseus	AAPQSYPTWPSSGHEAFTNPRAISTDV	168
Mesocricetus auratus	AAPQSYPTWSSGHEAFTNPRAISTDV	168
Microtus ochrogaster	AAPQSYPTWPSSGHEAFTNPRAISTDV	170
Neotoma lepida	AAPQSYPTWPSSGHEAFTNPRAISTDV	168
Carlito syrichta	AAPQGYPTWPGSGREAFTNPRAISTDV	167
Sciurus carolinensis	AAPQSYPTWPGSGREAFTNPRAISTDV	170
Equus przewalskii	AVPQSYPTWPGSGREAFTNPRAISTDV	169
Dipodomys ordii	AAPQSYPTWPGSGREAFTNPRAISTDV	167
Castor canadensis	ATPQSYPTWPGSGREAFTNPRAISTDV	166
Galeopterus variegatus	AVPQSYPTWPGSGREAFTNPRAISTDV	165
Daubentonia madagascariensis	AAPQSYPTWPGSGREAFTNPRAISTDV	167
Sapajus apella	AAPQSYPTWPGSGREAFTNPRAISTDV	167
Homo sapiens	AAPQSYPTWPGSGREAFTNPRAISTDV	167
Macaca fascicularis	AAPQSYPTWPGSGREAFTNPRAISTDV	167
Macaca mulatta	AAPQSYPTWPGSGREAFTNPRAISTDV	167
Cnephaeus nilssonii	AAPQSYPTWPGSGREPFNTNRAISTEV	198
Myotis brandtii	AAPQSYPTWPGSAREAFTNPRAISTDV	166
Myotis davidii	AAPQGYPTWPGSAREAFTNPRAISTDV	166
Erinaceus europaeus	AAPQSYAVTWPGSGHEAFTNPRAISTDV	167
Lipotes vexillifer	AAPQSYPTWPGSGREAFTNPRAISTDV	167
Neophocaena asiaeorientalis asiaeorientalis	APPQSYPTWPGSGREAFTNPRAISTDV	167
Tursiops truncatus	AAPQSYPTWPGSGREAFTNPRAISTDV	167
Delphinapterus leucas	AAPQSYPTWPGSGREAFTNPRAISTDV	167
Monodon monoceros	AAPQSYPTWPGSGREAFTNPRAISTDV	223
Physeter macrocephalus	AAPQSYPTWPGSGRECFNTNRAISTDV	167
Balaenoptera musculus	AAPQSYPTWPGSGREAFTNPRAISTDV	167
Balaenoptera physalus	AAPQSYPTWPGSGREAFTNPRAISTDV	191
Balaenoptera acutorostrata	AAPQSYPTWPGSGHEAFTNPRAISTDV	167
Eschrichtius robustus	AAPQSYPTWPGSGREAFANPRAISTDV	167
Heterocephalus glaber	AVPQSYPTWPGSGREAFTNPRAISTDV	168
Octodon degus	AVPQSYPTWPGSGREAFTNPRAISTDV	169
Fukomys damarensis	AVPQSYPTWPGSGREAFTNPRAISTDV	168
Hipposideros armiger	AAPQSYPTWPGPGREAFTNPRAISTDV	166
Ceratotherium simum simum	AAPQSYPTWPGPGREAFTNPRAISTDV	169
Diceros bicornis minor	AAPQSYPTWPGPGREAFTNPRAISTDV	169
Camelus bactrianus	AAPQSYPTWPGSGREAFTNPRAISTDV	171
Camelus dromedarius	AAPQSYPTWPGSGREAFTNPRAISTDV	171
Camelus ferus	AAPQSYPTWPGSGREAFTNPRAISTDV	171
Vicugna pacos	AAPQSYPTWPGSGREAFTNPRAISTDV	171
Galemys pyrenaicus	AAPQSYPTWPGSGREAYTNPRAISTDV	189
Orycteropus afer afer	AVPQSYPTWPGSGHEAFTNPRAISTDV	167
Odocoileus virginianus	AAPQSYPTWPGSGREAFTNPRAISTDV	167
Bos indicus	AAPQSYPTWPGSGREAFTNPRAISTDV	167
Bos mutus	AAPQSYPTWPGSGREAFTNPRAISTDV	167
Vulpes vulpes	AAPQSYPTWPGSGREAFTNPRAISTDV	163
Mustela putorius furo	AVPQSYPTWPGSGHEAFTNPRAISTDV	166
Acinonyx jubatus	AVPQSYPTWPGSGREAFTNPRAISTDV	166
Panthera pardus	AVPQSYPTWPGSGREAFTNPRAISTDV	166
Puma concolor	AVPQSYPTWPGSGREAFTNPRAISTDV	166
Ursus maritimus	AVPQSYPTWPGSGREAFTNPRAISTDV	166
Leptonychotes weddellii	AVPQSYPTWPGSGRQAFTNPRAISTDV	166

- ☒ non-conserved
- ☒ similar
- ☒ $\geq 50\%$ conserved