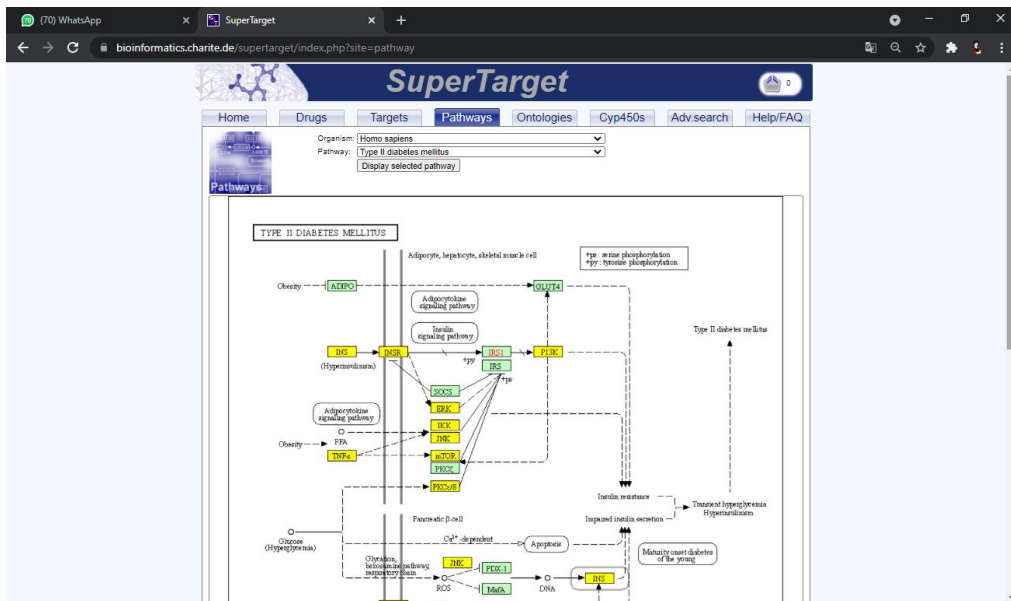


LAMPIRAN

Lampiran 1 Identifikasi protein yang terlibat dalam patofisiologi DM



Drug-Target Interactions

The output has been limited to 2000 interactors.

Target	Drug	Interaction
ATP-binding cassette transporter sub-family C member 8	Adiponectin	show
ATP-binding cassette transporter sub-family C member 8	CHEMBL188884	show
ATP-binding cassette transporter sub-family C member 8	CHEMBL300810	show
ATP-binding cassette transporter sub-family C member 8	GLUCLAZIDE	show
ATP-binding cassette transporter sub-family C member 8	Glucosylamide	show
ATP-binding cassette transporter sub-family C member 8	Hesperidin	show
ATP-binding cassette transporter sub-family C member 8	Mitiglinide	show
ATP-binding cassette transporter sub-family C member 8	Nateglinide	show
ATP-binding cassette transporter sub-family C member 8	Nateglinide	show
ATP-binding cassette transporter sub-family C member 8	Nateglinide	show
ATP-binding cassette transporter sub-family C member 8	Phasali mesobovinate	show
ATP-binding cassette transporter sub-family C member 8	Repaglinide	show
ATP-binding cassette transporter sub-family C member 8	Tolvidipin/butylurea	show
Glucosinase	benzamide derivative_11	show
Glucosinase	benzamide derivative_18h	show
Glucosinase	benzamide derivative_18i	show
Glucosinase	benzamide derivative_18j	show
Glucosinase	benzamide derivative_18k	show
Glucosinase	CHEMBL1800844	show
Glucosinase	CHEMBL1000885	show
Glucosinase	CHEMBL1097450	show

Please enable Java to be able to use the network visualization applet.

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Lampiran 2 Validasi nama gen

UniProtKB 2021_03 results

Quote terms: "insulin receptor"

Entry	Entry name	Protein names	Gene names	Organism	Length
P08069	IGF1R_HUMAN	Insulin-like growth factor 1 recept...	IGF1R	Homo sapiens (Human)	1,367
P24062	IGF1R_RAT	Insulin-like growth factor 1 recept...	Igf1r	Rattus norvegicus (Rat)	1,370
Q60751	IGF1R_MOUSE	Insulin-like growth factor 1 recept...	Igf1r	Mus musculus (Mouse)	1,373
Q05688	IGF1R_BOVIN	Insulin-like growth factor 1 recept...	IGF1R	Bos taurus (Bovine)	640
P09208	INSR_DROME	Insulin-like receptor	InR dir, Dir-a, Inr-a, CG18402	Drosophila melanogaster (Fruit fly)	2,144
Q9WTL4	INSRR_MOUSE	Insulin receptor-related protein	Insrr Irr	Mus musculus (Mouse)	1,300
P14616	INSRR_HUMAN	Insulin receptor-related protein	INSRR IRR	Homo sapiens (Human)	1,297
P06213	INSR_HUMAN	Insulin receptor	INSR	Homo sapiens (Human)	1,382
P15208	INSR_MOUSE	Insulin receptor	Insr	Mus musculus (Mouse)	1,372

Reseptor insulin

UniProtKB 2021_03 results

Quote terms: "ATP-binding cassette transporter sub-family C member 8"

Entry	Entry name	Protein names	Gene names	Organism	Length
Q09428	ABCC8_HUMAN	ATP-binding cassette sub-family C m...	ABCC8 HRINS, SUR, SUR1	Homo sapiens (Human)	1,581
Q09429	ABCC8_RAT	ATP-binding cassette sub-family C m...	Abcc8 Sur, Sur1	Rattus norvegicus (Rat)	1,582
B2RUS7	B2RUS7_MOUSE	ATP-binding cassette, sub-family C ...	Abcc8	Mus musculus (Mouse)	1,588
Q6PGE2	Q6PGE2_MOUSE	Abcc8 protein	Abcc8	Mus musculus (Mouse)	909
AOA2R8Y4V0	AOA2R8Y4V0_HUMAN	ATP-binding cassette sub-family C m...	ABCC8	Homo sapiens (Human)	1,603
AOA1B0GT25	AOA1B0GT25_MOUSE	ATP-binding cassette, sub-family C ...	Abcc8	Mus musculus (Mouse)	910
Q8BIU4	Q8BIU4_MOUSE	ABC transmembrane type-1 domain-con...	Abcc8	Mus musculus (Mouse)	493
Q9JL44	Q9JL44_MOUSE	ATP-binding cassette protein	Abcc8	Mus musculus (Mouse)	228
Q09427	ABCC8_CRICR	ATP-binding cassette sub-family C m...	ABCC8 SUR	Cricetus cricetus (Black-bellied hamster)	1,582
AOA1B0GT49	AOA1B0GT49_MOUSE	ATP-binding cassette, sub-family C ...	Abcc8	Mus musculus (Mouse)	100
Q8BNE2	Q8BNE2_MOUSE	Uncharacterized protein	Abcc8	Mus musculus (Mouse)	1,087

ATP-binding cassette sub-family C member 8

UniProtKB 2021_03 results

Filter by: Reviewed (547) Swiss-Prot, Unreviewed (61,958) TrEMBL

Popular organisms: Human (98), Mouse (73), Rat (53), Bovine (21), Zebrafish (18)

Search terms: Filter "glucokinase" as: disease (1), gene ontology (31,897)

Entry	Entry name	Protein names	Gene names	Organism	Length
Q07071	GCKR_RAT	Glucokinase regulatory protein	Gckr	Rattus norvegicus (Rat)	627
Q14397	GCKR_HUMAN	Glucokinase regulatory protein	GCKR	Homo sapiens (Human)	625
Q91X44	GCKR_MOUSE	Glucokinase regulatory protein	Gckr	Mus musculus (Mouse)	587
A5U654	PPGK_MYCTA	Polyphosphate glucokinase	ppgK MRA_2730	Mycobacterium tuberculosis (strain ATCC 25177 / H37Ra)	265
Q58999	K6PF_METJA	Bifunctional ADP-specific glucokinase	pfkC glkA, MJ1604	Methanocaldococcus jannaschii (strain ATCC 43067 / DSM 2661 / JAL-1 / JCM 10045 / NBRC 100440) (Methanococcus jannaschii)	462
P35557	HXK4_HUMAN	Hexokinase-4	GCK	Homo sapiens (Human)	465
P17712	HXK4_RAT	Hexokinase-4	Gck	Rattus norvegicus (Rat)	465
P52792	HXK4_MOUSE	Hexokinase-4	Gck Gk	Mus musculus (Mouse)	465
Q7M537	GLKA_THELN	ADP-dependent glucose/glucosamine k...	glkA OCC_09701	Thermococcus litoralis (strain ATCC 51850 / DSM 5473 / JCM 8560 / NS-C)	467
P17709	HXKG_YEAST	Glucokinase-1	GLK1 HOR3, YCL040W, YCL312,	Saccharomyces cerevisiae (strain ATCC 204508 / S288c) (Baker's yeast)	500

Glukokinase

UniProtKB 2021_03 results

Filter by: Reviewed (237) Swiss-Prot, Unreviewed (3,941) TrEMBL

Popular organisms: Human (109), Mouse (87), Rat (41), Bovine (38), Zebrafish (16)

Search terms: Filter "pparg" as: disease (1), gene name (972)

Entry	Entry name	Protein names	Gene names	Organism	Length
P37231	PPARG_HUMAN	Peroxisome proliferator-activated r...	PPARG NR1C3	Homo sapiens (Human)	505
P37238	PPARG_MOUSE	Peroxisome proliferator-activated r...	Pparg Nr1c3	Mus musculus (Mouse)	505
O88275	PPARG_RAT	Peroxisome proliferator-activated r...	Pparg Nr1c3	Rattus norvegicus (Rat)	505
O18971	PPARG_BOVIN	Peroxisome proliferator-activated r...	PPARG NR1C3	Bos taurus (Bovine)	505
Q4U3Q4	PPARG_CANLF	Peroxisome proliferator-activated r...	PPARG NR1C3	Canis lupus familiaris (Dog) (Canis familiaris)	505
O18924	PPARG_MACMU	Peroxisome proliferator-activated r...	PPARG NR1C3	Macaca mulatta (Rhesus macaque)	505
O62807	PPARG_PIG	Peroxisome proliferator-activated r...	PPARG NR1C3	Sus scrofa (Pig)	504
Q6GU14	Q6GU14_MOUSE	Peroxisome proliferator-activated r...	Pparg PPARG	Mus musculus (Mouse)	505
Q96EK7	F120B_HUMAN	Constitutive coactivator of peroxis...	FAM120B CCPP, KIAA1838	Homo sapiens (Human)	910
Q6RI63	F120B_MOUSE	Constitutive coactivator of peroxis...	Fam120b Ccpg, Kiaa1838	Mus musculus (Mouse)	786
P57307	PPARG_PIPER	Peroxisome proliferator-activated r...	PPARG NR1C3	Citellus adamsi (Chinese hamster)	475

Peroxisome proliferator-activated receptor gamma

UniProtKB dipeptidyl peptidase 4

UniProtKB 2021_03 results

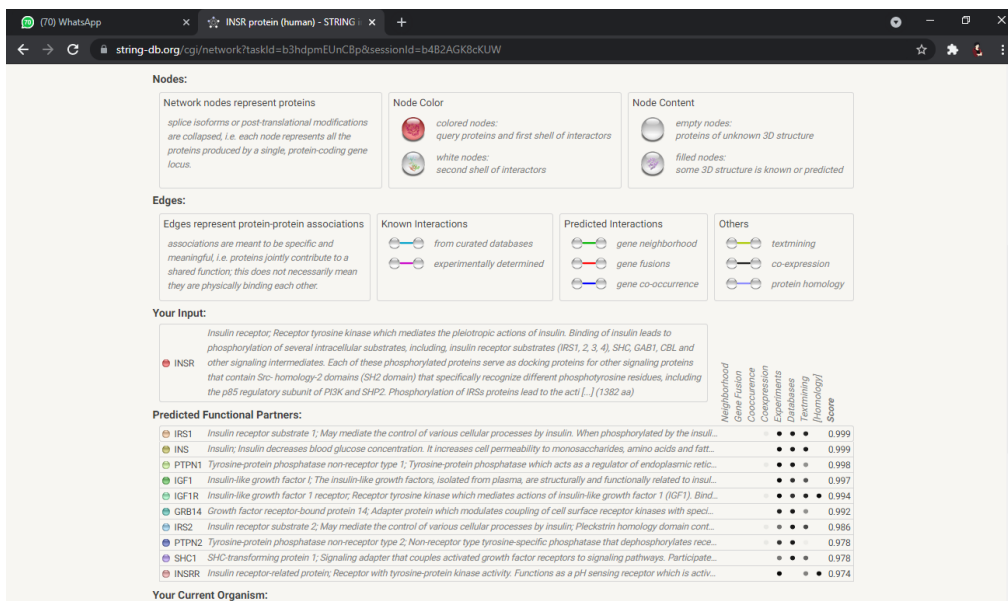
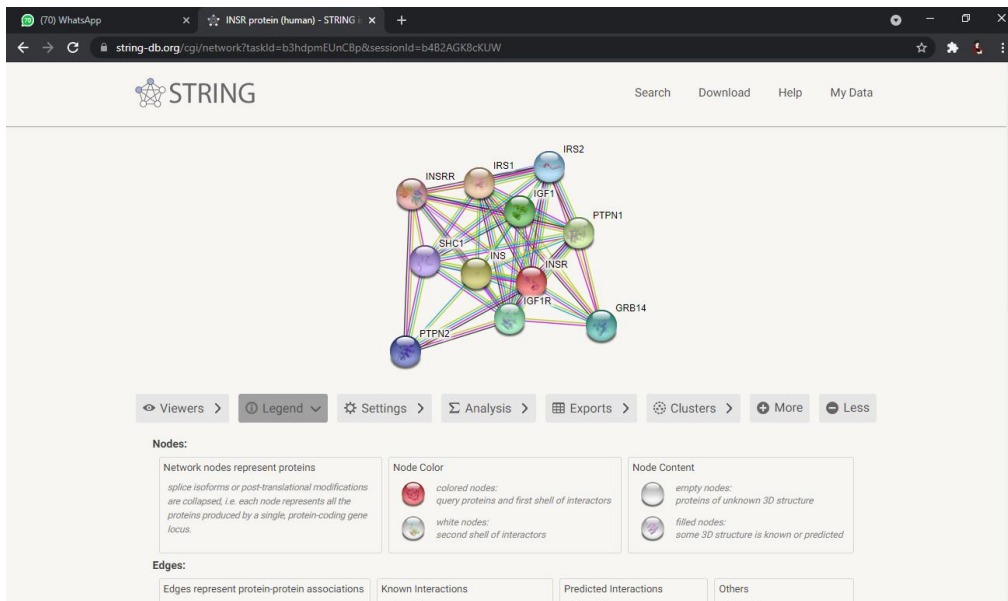
Filter by: BLAST Align Download Add to basket Columns

Quote terms: "dipeptidyl peptidase"

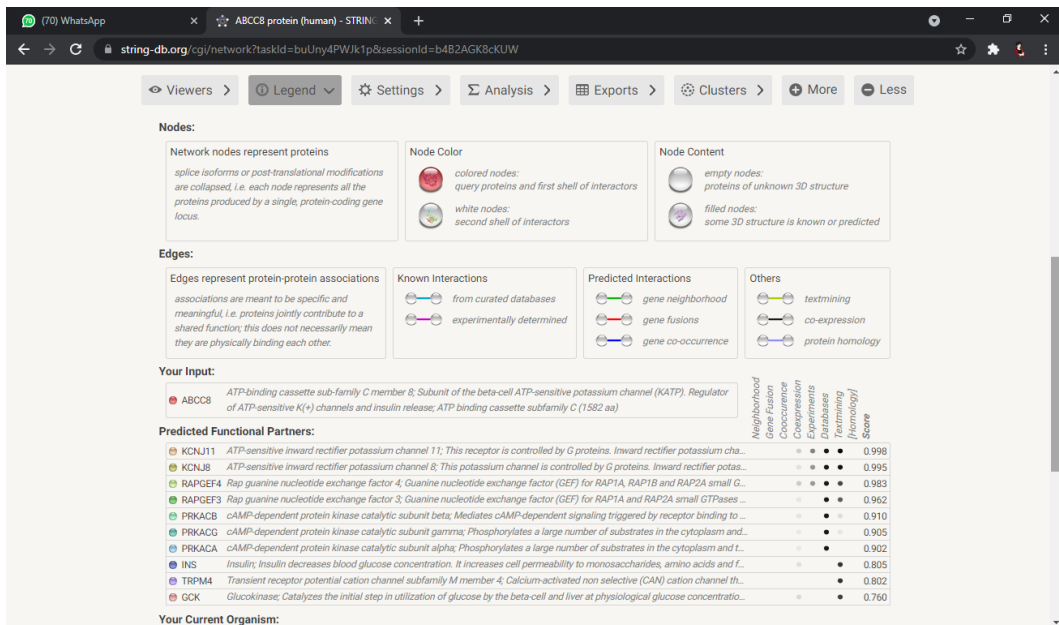
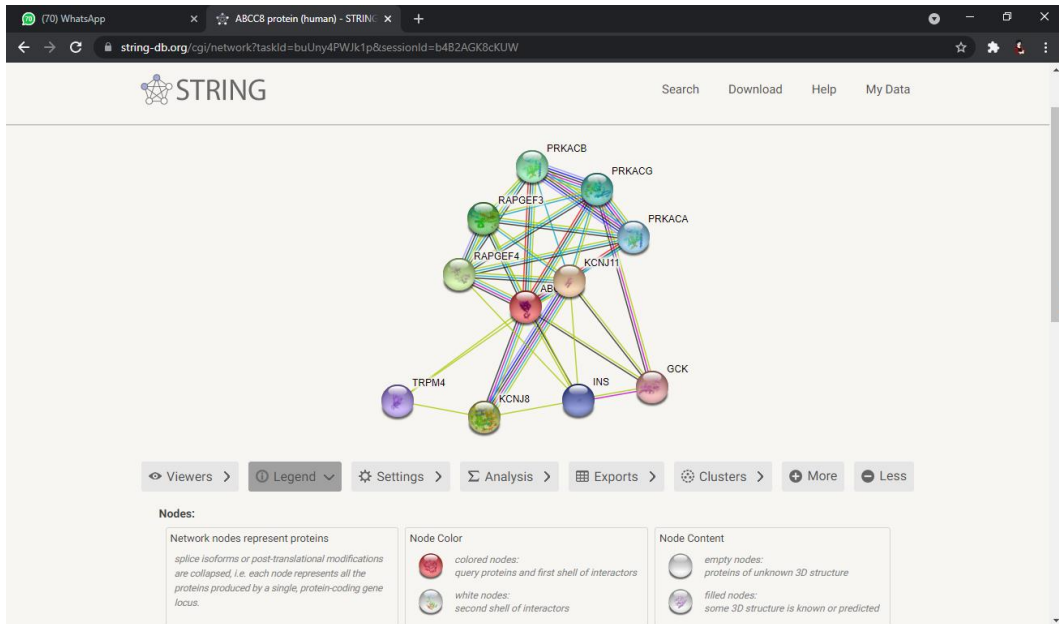
Entry	Entry name	Protein names	Gene names	Organism	Length
<input type="checkbox"/> P14740	DPP4_RAT	Dipeptidyl peptidase 4	Dpp4 Cd26	Rattus norvegicus (Rat)	767
<input type="checkbox"/> P27487	DPP4_HUMAN	Dipeptidyl peptidase 4	DPP4 ADCP2, CD26	Homo sapiens (Human)	766
<input type="checkbox"/> P28843	DPP4_MOUSE	Dipeptidyl peptidase 4	Dpp4 Cd26	Mus musculus (Mouse)	760
<input type="checkbox"/> P22411	DPP4_PIG	Dipeptidyl peptidase 4	DPP4 CD26	Sus scrofa (Pig)	766
<input type="checkbox"/> P81425	DPP4_BOVIN	Dipeptidyl peptidase 4	DPP4 CD26	Bos taurus (Bovine)	765
<input type="checkbox"/> Q9N2I7	DPP4_FELCA	Dipeptidyl peptidase 4	DPP4 CD26	Felis catus (Cat) (Felis silvestris catus)	765
<input type="checkbox"/> P53634	CATC_HUMAN	Dipeptidyl peptidase 1	CTSC CPP1	Homo sapiens (Human)	463
<input type="checkbox"/> P80067	CATC_RAT	Dipeptidyl peptidase 1	Ctsc	Rattus norvegicus (Rat)	462
<input type="checkbox"/> P97821	CATC_MOUSE	Dipeptidyl peptidase 1	Ctsc	Mus musculus (Mouse)	462

Dipeptidyl peptidase 4

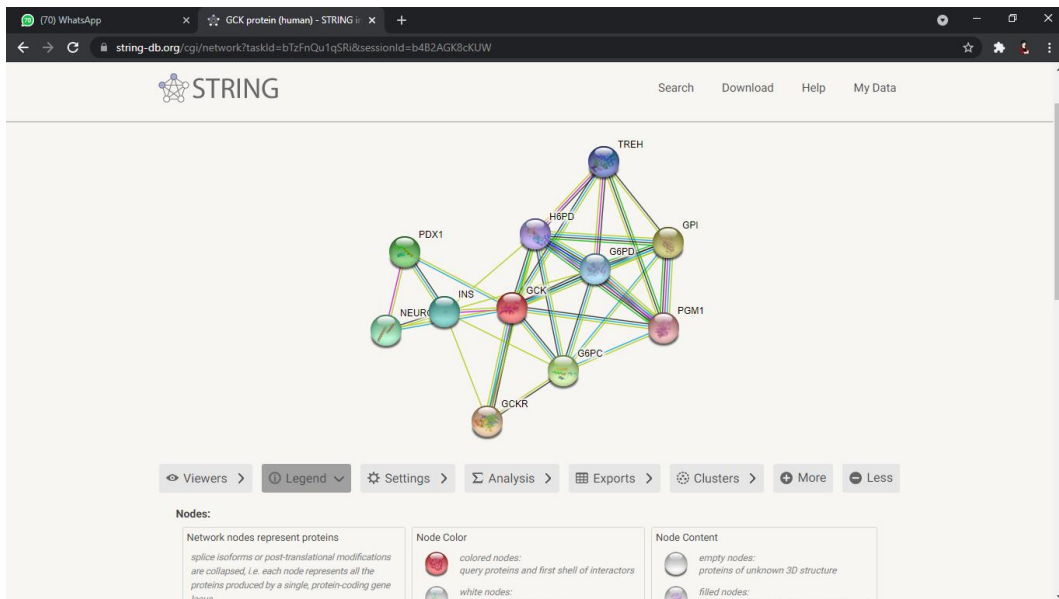
Lampiran 3 Pencarian interaksi protein-protein



Insulin reseptor



ATP-binding cassette sub-family C member 8



Nodes:

- Network nodes represent proteins
splice isoforms or post-translational modifications are collapsed. I.e. each node represents all the proteins produced by a single, protein-coding gene locus.
- Node Color
 - colored nodes: query proteins and first shell of interactors
 - white nodes: second shell of interactors
- Node Content
 - empty nodes: proteins of unknown 3D structure
 - filled nodes: some 3D structure is known or predicted

Edges:

Edges represent protein-protein associations
associations are meant to be specific and meaningful, i.e. proteins jointly contribute to a shared function; this does not necessarily mean they are physically binding each other.

Known Interactions

- from curated databases
- experimentally determined

Predicted Interactions

- gene neighborhood
- gene fusions
- gene co-occurrence

Others

- textmining
- co-expression
- protein homology

Your Input:

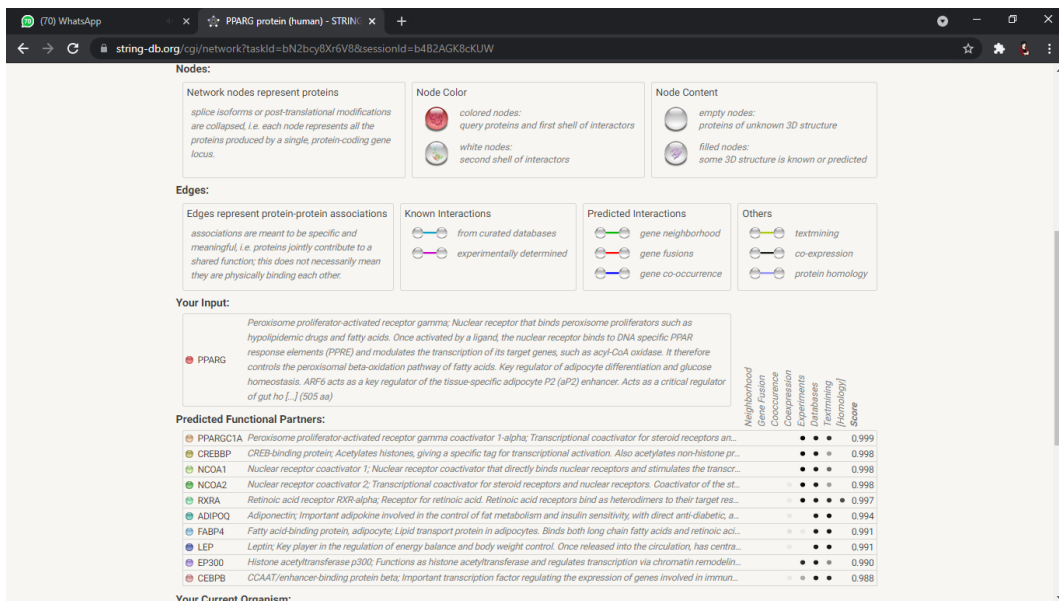
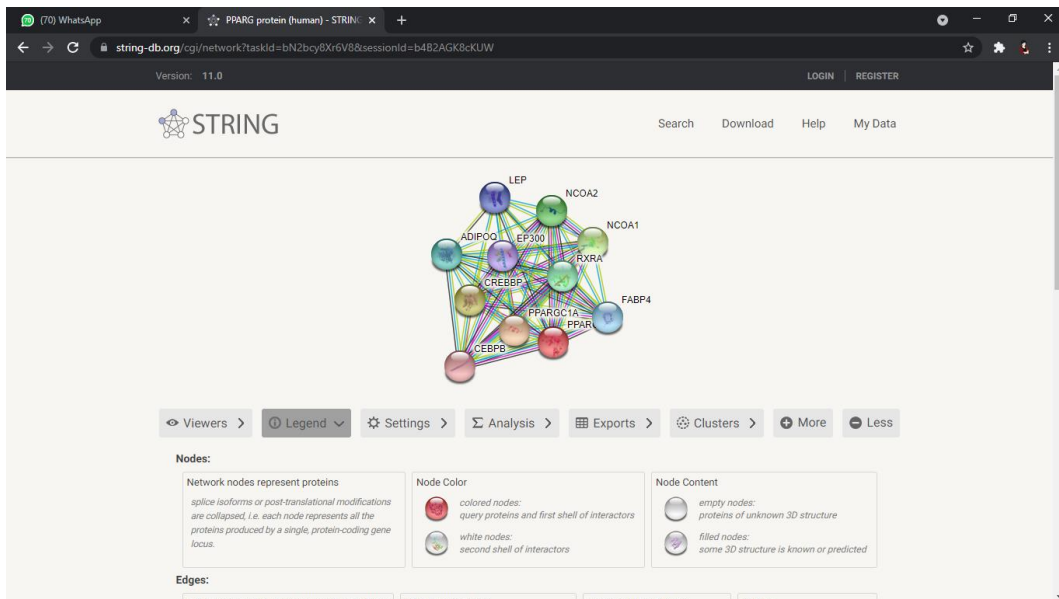
GSK
Glucokinase; Catalyzes the initial step in utilization of glucose by the beta-cell and liver at physiological glucose concentration. Glucokinase has a high Km for glucose, and so it is effective only when glucose is abundant. The role of GSK is to provide G6P for the synthesis of glycogen. Pancreatic glucokinase plays an important role in modulating insulin secretion. Hepatic glucokinase helps to facilitate the uptake and conversion of glucose by acting as an insulin-sensitive determinant of hepatic glucose usage (466 aa)

Predicted Functional Partners:

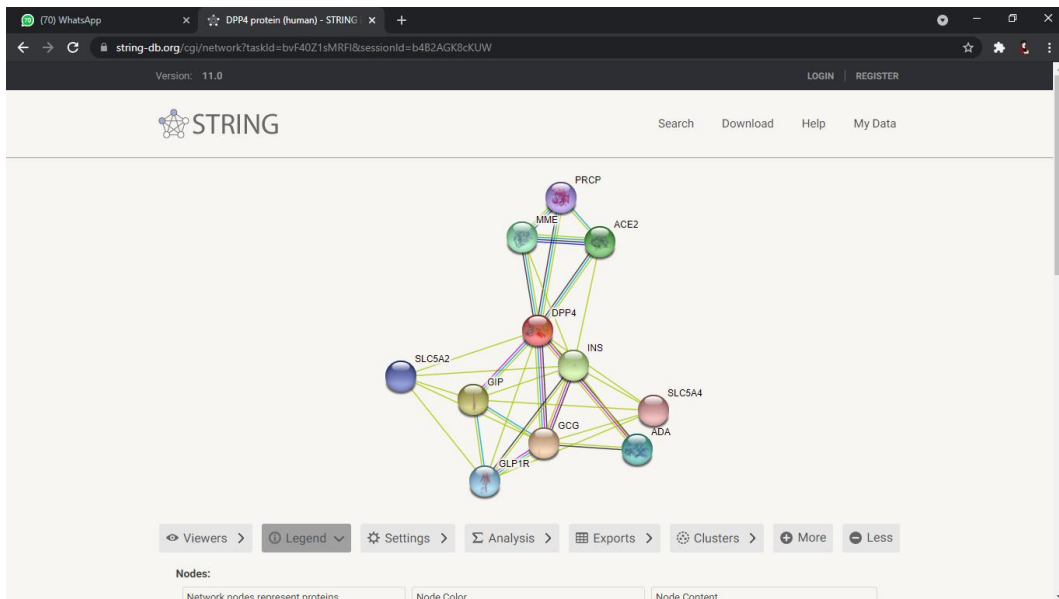
Protein	Description	Neighborhood	Gene Fusion	Co-occurrence	Textmining	Co-expression	Protein Homology	Score
GSKR	Glucokinase regulatory protein; Inhibits glucokinase (GSK) by forming an inactive complex with this enzyme. The affinity of G...							0.995
GPI	Glucose-6-phosphate isomerase; Besides its role as a glycolytic enzyme, mammalian GPI can function as a tumor-secreted ...							0.976
G6PC	Glucose-6-phosphatase; Hydrolyzes glucose-6-phosphate to glucose in the endoplasmic reticulum. Forms with the glucose-6...							0.973
PDX1	Pancreas/duodenum homeobox protein 1; Activates insulin, somatostatin, glucokinase, islet amyloid polypeptide and glucos...							0.971
NEUROD1	Neurogenic differentiation factor 1; Acts as a transcriptional activator; mediates transcriptional activation by binding to E box...							0.965
INS	Insulin; Insulin decreases blood glucose concentration. It increases cell permeability to monosaccharides, amino acids and f...							0.962
G6PD	Glucose-6-phosphate 1-dehydrogenase; Catalyzes the rate-limiting step of the oxidative pentose phosphate pathway, which r...							0.959
TREH	Trehalase; Intestinal trehalase is probably involved in the hydrolysis of ingested trehalose; Belongs to the glycosyl hydrolase ...							0.946
H6PD	GDH/6PGL endoplasmic bifunctional protein; Oxidizes glucose-6-phosphate and glucose, as well as other hexose-6-phosph...							0.944
PGM1	Phosphoglucomutase-1; This enzyme participates in both the breakdown and synthesis of glucose; Belongs to the phospho...							0.934

Your Current Organism:

Glukokinase



Peroxisome proliferator-activated receptor gamma



Nodes:

Network nodes represent proteins
splice isoforms or post-translational modifications are collapsed, i.e. each node represents all the proteins produced by a single, protein-coding gene locus.

Node Color

- colored nodes: query proteins and first shell of interactors
- white nodes: second shell of interactors

Node Content

- empty nodes: proteins of unknown 3D structure
- filled nodes: some 3D structure is known or predicted

Edges:

Edges represent protein-protein associations
associations are meant to be specific and meaningful, i.e. proteins jointly contribute to a shared function; this does not necessarily mean they are physically binding each other.

Known Interactions

- from curated databases
- experimentally determined

Predicted Interactions

- gene neighborhood
- gene fusions
- gene co-occurrence

Others

- textmining
- co-expression
- protein homology

Your Input:

Dipeptidyl peptidase 4; Cell surface glycoprotein receptor involved in the costimulatory signal essential for T-cell receptor (TCR)-mediated T-cell activation. Acts as a positive regulator of T-cell coactivation, by binding at least ADA, CAV1, IGF2R, and PTPRC. Its binding to CAV1 and CARD11 induces T-cell proliferation and NF-kappa-B activation in a T-cell receptor/CD3-dependent manner. Its interaction with ADA also regulates lymphocyte-epithelial cell adhesion. In association with FAP is involved in the pericellular proteolysis of the extracellular matrix (ECM), the migration and in [] (766 aa)

Predicted Functional Partners:

Protein	Neighborhood	Gene Fusion	Co-occurrence	Textmining	Co-expression	Protein Homology	Score
GCG							0.994
GIP							0.993
INS							0.942
ACE2							0.942
MME							0.928
ADA							0.918
GLP1R							0.899
SLCSA2							0.892
PRCP							0.892
SLCSA4							0.891

Your Current Organism:

Dipeptidyl peptidase 4

Lampiran 4 Data senyawa kandungan kimia dari KNAPSAcK

Input type = all , Input word = andrographis paniculata

Number of matched data : 46

ID	Pub ID	Metabolite	Molecular formula	MW	Organism of InChIKey etc.
C00000615	501-16-6	Caffeic acid	C9H8O4	180.04225874	Andrographis paniculata
C00001016	5128-44-9	Apigenin 7,4'-dimethyl ether	C17H14O5	298.08412356	Andrographis paniculata
C00002724	327-97-9	3-O-Caffeoylquinic acid	C16H18O9	354.09508217	Andrographis paniculata
C00002743	1135-24-6	Ferulic acid	C10H10O4	194.05790881	Andrographis paniculata
C00003672	83-46-5	beta-Sitosterol	C29H50O	414.38616622	Andrographis paniculata
C00003810	3570-62-5	7-O-Methylwogonin	C17H14O5	298.08412356	Andrographis paniculata
C00003952	113963-50-1	5,4'-Dihydroxy-7,8,2',3'-tetramethoxyflavone	C19H18O6	374.10016755	Andrographis paniculata
C00004129	80366-14-9	Wogonin 5-glucoside	C22H22O10	446.12129692	Andrographis paniculata
C00004132	113963-39-6	5-Hydroxy-7,8-dimethoxyflavone 5-glucoside	C23H24O10	460.13694699	Andrographis paniculata
C00004260	113963-41-0	5-Hydroxy-3,7,8,2'-trimethoxyflavone 5-glucoside	C24H26O11	490.14751167	Andrographis paniculata
C00004449	113963-38-5	5,2',3'-Trihydroxy-7,8-dimethoxyflavone 3'-glucoside	C23H24O12	492.12677623	Andrographis paniculata
C00004450	113963-40-9	5-Hydroxy-7,8,2',3'-tetramethoxyflavone 5-glucoside	C25H28O12	520.15807636	Andrographis paniculata
C00004477	113963-42-1	5,4'-Dihydroxy-7,8,2',3'-tetramethoxyflavone 5-glucoside	C25H28O13	536.15299098	Andrographis paniculata
C00004610	86828-02-6	5-Hydroxy-3,7,8,2'-tetramethoxyflavone	C19H18O7	358.10525293	Andrographis paniculata
C00006154	113981-49-0	5-Hydroxy-7,8-dimethoxyflavanone	C17H16O5	300.09977362	Andrographis paniculata
C00008449	11363-37-4	Andrographidin A	C23H26O10	462.15259705	Andrographis paniculata
C00011907	21764-32-9	Paniculide A	C15H20O4	264.13615913	Andrographis paniculata
C00011908	21764-33-0	Paniculide B	C15H20O5	280.13107375	Andrographis paniculata
C00011909	21764-34-1	Paniculide C	C15H18O5	278.11542369	Andrographis paniculata
C00013310	566918-50-1	5-Hydroxy-7,2',6'-trimethoxyflavone	C18H16O6	328.09468824	Andrographis paniculata
C00013653	175991-74-9	Skullcapflavone 1,2'-O-beta-D-glucopyranoside	C23H24O11	476.13186161	Andrographis paniculata
C00014122	600734-63-2	Dihydroxyskullcap flavone I	C17H16O6	316.09468824	Andrographis paniculata
C00022232	4176-97-0	14-Deoxyandrographolide	C20H30O4	334.21440945	Andrographis paniculata
C00022233	82209-72-1	Ninandrographolide	C26H40O9	496.26723288	Andrographis paniculata
C00022240	42895-58-9	14-Deoxy-11,14-didehydroandrographolide	C20H28O4	332.19875938	Andrographis paniculata
C00022255	42895-57-8	14-Deoxy-11-oxoandrographolide	C20H28O5	348.193674	Andrographis paniculata
C00022415	82209-74-3	Andrographanin	C20H30O3	318.21949482	Andrographis paniculata
C00022416	27215-14-1	Necandrographolide	C26H40O8	480.27231825	Andrographis paniculata
C00023362	8509-58-7	Andrographolide	C20H30O5	350.20932407	Andrographis paniculata
C00029683	760938-56-5	Andrographic acid	C20H28O6	364.18858863	Andrographis paniculata
C00029661	621-82-9	Cinnamic acid	C9H8O2	148.0524295	Andrographis paniculata
C00034369	372939-36-1	14-Acetyl-3,19-isopropylideneandrographolide	C25H36O6	432.25118888	Andrographis paniculata
C00034370	372939-37-2	14-Acetyl-3,19-isopropylideneandrographolide	C25H36O6	432.25118888	Andrographis paniculata
C00035795	791857-23-3	5,7,2',3'-Trimethoxyflavanone	C19H20O6	344.12598837	Andrographis paniculata
C00038155	1020673-19-1	12R,13R-Hydroxyandrographolide	C20H32O6	368.21988875	Andrographis paniculata
C00038156	1020673-18-0	12S,13S-Hydroxyandrographolide	C20H32O6	368.21988875	Andrographis paniculata
C00038325	1020408-22-3	7R-Hydroxy-14-deoxyandrographolide	C20H30O5	350.20932407	Andrographis paniculata
C00038326	1020406-24-5	7S-Hydroxy-14-deoxyandrographolide	C20H30O5	350.20932407	Andrographis paniculata
C00041241	869593-50-0	12S-Hydroxyandrographolide	C20H32O6	368.21988875	Andrographis paniculata
C00041244	869384-82-7	14-Deoxy-17-hydroxyandrographolide	C20H32O5	352.22497413	Andrographis paniculata
C00041274	869384-84-9	3-O-beta-D-Glucopyranosylandrographolide	C26H40O10	512.2621475	Andrographis paniculata
C00041335	82209-76-5	Andrographiside	C26H40O10	512.2621475	Andrographis paniculata
C00041336	869807-57-8	Androphanolide	C20H30O5	350.20932407	Andrographis paniculata
C00041377	160498-01-1	Bisandrographolide B	C40H56O8	664.39751876	Andrographis paniculata
C00041378	160498-02-2	Bisandrographolide C	C40H56O8	664.39751876	Andrographis paniculata
C00041603	4176-96-9	isoandrographolide	C20H30O5	350.20932407	Andrographis paniculata

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Lampiran 5 Data Protein target senyawa kandungan kimia dari Uniprot

Senyawa	Kode gen target	Nama gen target	Nama Protein utama
Caffeic acid	DPP4	Dipeptidyl peptidase 4	Dipeptidyl peptidase 4
	GAA	Alpha glucosidase	-
	GAPDH	Glyceraldehyde-3-phosphate dehydrogenase	-
Chlorogenic acid	PTPN1	protein tyrosine phosphatase non-receptor type 1	Insulin reseptor
	AKR1B1	aldo-keto reductase family 1 member B	-
	AKR1B10	aldo-keto reductase family 1 member B10	-
	GFER	growth factor, augments liver regeneration	-
	ITGA4	integrin subunit alpha 4	-
Ferulic Acid	APP	amyloid beta precursor protein	-
	FXN	frataxin	-
	GFER	growth factor, augments liver regeneration	-
	CA1	carbonic anhydrase 1	-
	CA2	carbonic anhydrase 2	-
	CA3	carbonic anhydrase 3	-
	CA4	carbonic anhydrase 4	-
	CA5A	carbonic anhydrase 5A	-
	CA5B	carbonic anhydrase 5B	-
	CA6	carbonic anhydrase 6	-

Senyawa	Kode gen target	Nama gen target	Nama Protein utama
Ferulic Acid	CA7	carbonic anhydrase 7	-
	CA9	carbonic anhydrase 9	-
	CA12	carbonic anhydrase 12	-
	CA14	carbonic anhydrase 14	-
Beta-sitosterol	F2	coagulation factor II	-
	POLB	DNA polymerase beta	-
	DPP4	Dipeptidyl peptidase 4	Dipeptidyl peptidase 4
	GSK3B	glycogen synthase kinase 3 beta	-
	PRKAB2	protein kinase AMP-activated non-catalytic subunit beta 2	-
	PRKAG1	protein kinase AMP-activated non-catalytic subunit gamma 1	-
	PRKAA2	protein kinase AMP-activated catalytic subunit alpha 2	-
	PRKAA1	protein kinase AMP-activated catalytic subunit alpha 1	-
	PRKAG3	protein kinase AMP-activated non-catalytic subunit gamma 3	-
	PRKAG2	protein kinase AMP-activated non-catalytic subunit gamma 2	-
	PRKAB1	protein kinase AMP-activated non-catalytic subunit beta 1	-
	Androgapholide	DTDP1	tyrosyl-DNA phosphodiesterase 1
AR		androgen receptor	-
NR1H4		nuclear receptor subfamily 1 group H member 4	-

Senyawa	Kode gen target	Nama gen target	Nama Protein utama
Androgapholide	IFNB1	interferon beta 1	-
	NFKB1	nuclear factor kappa B subunit 1	-
	HLA-B	major histocompatibility complex, class I, B	-
	STK33	serine/threonine kinase 33	-
	AKT1	AKT serine/threonine kinase 1	-
	RELA	RELA proto-oncogene, NF-kB subunit	-
Cinnamic acid	HDAC1	histone deacetylase 1	-
	HDAC2	histone deacetylase 2	-
	HDAC3	histone deacetylase 3	-
	HDAC4	histone deacetylase 4	-
Cinnamic acid	HDAC5	histone deacetylase 5	-
	HDAC6	histone deacetylase 6	-
	HDAC7	histone deacetylase 7	-
	HDAC8	histone deacetylase 8	-
	HDAC9	histone deacetylase 9	-
	HDAC10	histone deacetylase 10	-
	TNKS	tankyrase	-
	TNKS2	Tankyrase 2	-
	HCAR2	hydroxycarboxylic acid receptor 2	-

Lampiran 6 Visualisasi dengan Cytoscape

