

Como funciona a busca?

- KO => Identificador de proteína => Sequência

+-----+	+-----+	+-----+	
ko	UniProt_ac	txid	
+-----+	+-----+	+-----+	
K02087	B3KX76	9606	>B3KX76 MSMHNVKIFMFQLLRGLAYCHHRKILHRDLKPQNLLINERGELKLADFGLARAKSVP TKTYSNEVVTWYRPPDVLLGSTEYSTPIDMWGVGCIHYEMATGRPLFPGSTVKEEL HLIFRLLGTPTEETWPGVTAFSEFRTYSFPCYLPQPLINHAPR
K02087	B4DK59	9606	
K02087	B7Z3D6	9606	
K02087	094921	9606	>B4DK59
K02087	P06493	9606	MLALTLRPPPLAKSHLKLGGTPAPARVNGKLVALKVIRLQEEEGTPFTAIREASLLK GLKHANIVLLHDIHTKETLTLVFEYVHTDLCQYMDKHPGGLHPDNVKLFLFQLLRG LSYIHQRYILHRDLKPQNLLISDTGELKLADFGLARAKSVPSHTYSNEVVTWYRPP DVLLGSTEYSTCLDMWGVGCIFVEMIQGVAALPGMKDIQDQLERIFLVLGTPNEDTW PGVHSLPHFKPERFTLYSSKNLGQAWNKL SYVNHAEDLASKLLQCSPKNRLSAQAAL SHEYFSDLPPRLWELTDMSSIFTVPNVRLQPEAGESMRAFGKNNSYGKSLSNSKH
K02087	Q00526	9606	
K02087	Q5H9N4	9606	
K02087	Q96Q40	9606	
K02089	A4D1G0	9606	
K02089	B2R9A0	9606	
K02089	P11802	9606	>B7Z3D6
K02089	Q00534	9606	MEDYTKIEKIGEGTYGVVYKGRHKTGQVVAMKKIRLESEEEGVPSTAIRESLLKE LRHPNIVSLQDVLMQDSRLYLIFEFLSMDLKKYLD SIPPGQYMDSSLVKVKA
K02089	Q6LC83	9606	

Como funciona a busca?

- O resultado do BLAST aponta uma proteína classificada em um grupo KO.
- Com isso podemos associá-la a uma função e via.

Query ID	dbID	Ident	Align	Mism	G	Qin	Qend	Sinit	Send	evalue	score
TRINITY_DN1001_c0_g1::TRINITY_DN1001_c0_g1_i1::g.9765::	D8BTI3_ECOLXIK04785=2	100.0	130	0	0	1	130	237	366	3.6e-72	277.3
TRINITY_DN1001_c0_g1::TRINITY_DN1001_c0_g1_i1::g.9763::	B7L901_ECO55IK05374=1	99.5	197	1	0	1	197	6	202	2.1e-111	408.3
TRINITY_DN1002_c0_g1::TRINITY_DN1002_c0_g1_i1::g.9857::	A0A125WVC2_ECOLXIK07709=	100.0	271	0	0	12	282	1	271	4.7e-149	533.9
TRINITY_DN1006_c0_g1::TRINITY_DN1006_c0_g1_i1::g.9729::	A0A085JND5_9ENTRIK07348=	35.3	170	104	4	24	187	8	177	8.2e-17	94.0
TRINITY_DN1006_c0_g1::TRINITY_DN1006_c0_g1_i1::g.9728::	A0A0A0M7Q8_9GAMMIK15540	35.5	172	105	3	20	188	9	177	1.2e-20	106.7
TRINITY_DN1006_c0_g1::TRINITY_DN1006_c0_g1_i2::g.9732::	A0A085JND5_9ENTRIK07348=	35.3	170	104	4	24	187	8	177	8.2e-17	94.0
TRINITY_DN1006_c0_g1::TRINITY_DN1006_c0_g1_i2::g.9731::	A0A0A0M7Q8_9GAMMIK15540	35.5	172	105	3	20	188	9	177	1.2e-20	106.7
TRINITY_DN1006_c0_g2::TRINITY_DN1006_c0_g2_i1::g.9733::	A0A0A0M7Q8_9GAMMIK15540	35.5	172	105	3	20	188	9	177	1.2e-20	106.7
TRINITY_DN1007_c0_g1::TRINITY_DN1007_c0_g1_i1::g.9832::	A0A0H0JJZ0_ECOLXIK07588=	99.0	105	1	0	1	105	1	105	7.1e-50	203.0
TRINITY_DN1008_c0_g1::TRINITY_DN1008_c0_g1_i1::g.9812::	A0A0H2YZR0_ECOK1IK03414=	100.0	185	0	0	1	185	22	206	1.0e-96	359.4
TRINITY_DN1009_c0_g1::TRINITY_DN1009_c0_g1_i1::g.9752::	A0A0J2B624_ECOLXIK02504=	99.8	431	1	0	18	448	7	437	4.5e-247	860.1
TRINITY_DN1011_c0_g1::TRINITY_DN1011_c0_g1_i1::g.9762::	V1AC78_ECOLXIK00694=2	100.0	244	0	0	1	244	4	247	1.1e-141	509.2
TRINITY_DN1013_c0_g1::TRINITY_DN1013_c0_g1_i1::g.9750::	W1B7B2_KLEPNIK03974=2	100.0	325	0	0	1	325	1	325	4.4e-183	647.1
TRINITY_DN1014_c0_g1::TRINITY_DN1014_c0_g1_i1::g.9735::	U7VCA7_9FUSOIK03738=2	57.1	462	198	0	1	462	241	702	1.2e-165	589.7
TRINITY_DN101_c0_g1::TRINITY_DN101_c0_g1_i1::g.141::m.1	A0A136SKS1_ECOLXIK00694=	99.5	626	3	0	17	642	247	872	0.0e+00	1270.4
TRINITY_DN1021_c0_g1::TRINITY_DN1021_c0_g1_i1::g.9794::	A0A125X2R5_ECOLXIK01690=	100.0	113	0	0	1	113	131	243	1.3e-57	228.8
TRINITY_DN1024_c0_g1::TRINITY_DN1024_c0_g1_i1::g.9722::	A0A125X947_ECOLXIK06143=	98.1	106	2	0	1	106	11	116	3.1e-51	207.6
TRINITY_DN1026_c0_g1::TRINITY_DN1026_c0_g1_i1::g.9836::	A0A125X3U9_ECOLXIK18471=	100.0	204	0	0	1	204	32	235	4.3e-112	410.6