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BLAST Results

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Job title: AaHV-FL

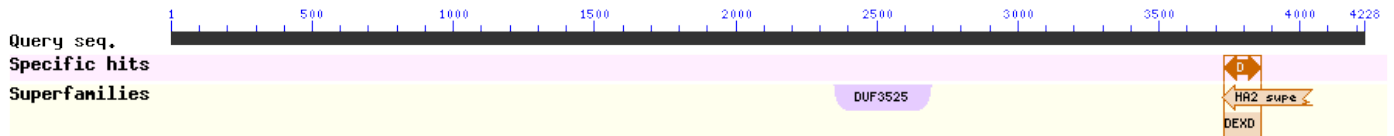
RID [4UU7ESUN015](#) (Expires on 01-28 15:16 pm)

Query ID lcl|Query_142472
Description AaHV-FL
Molecule type amino acid
Query Length 4228

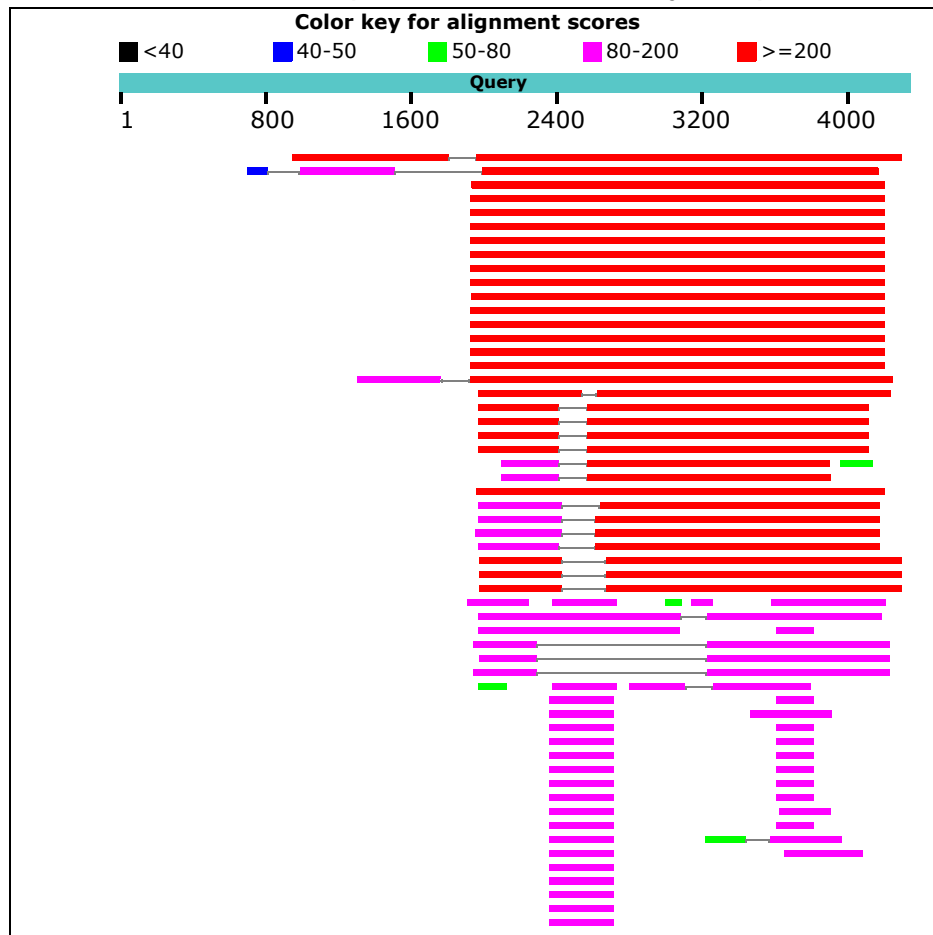
Database Name nr
Description All non-redundant GenBank CDS translations+PDB+SwissProt+PIR+PRF excluding environmental samples from WGS projects
Program BLASTP 2.8.1+

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Putative conserved domains have been detected, click on the image below for detailed results.



Distribution of the top 125 Blast Hits on 100 subject sequences



Descriptions

Sequences producing significant alignments:

Description	Max score	Total score	Query cover	E value	Ident	Accession
polyprotein [Wuhan insect virus 14]	2481	2782	74%	0.0	52%	YP_009342443.1
RNA-dependent RNA polymerase [Macrophomina phaseolina hypovirus 1]	1676	1878	64%	0.0	42%	ALD89099.1
ORF B [Cryphonectria hypovirus 1]	1475	1475	53%	0.0	38%	ATZ76099.1
ORF B [Cryphonectria hypovirus 1]	1474	1474	53%	0.0	38%	ATZ76097.1
ORF B [Cryphonectria hypovirus 1]	1474	1474	53%	0.0	38%	ATZ76095.1
ORF B [Cryphonectria hypovirus 1]	1474	1474	53%	0.0	38%	ATZ76109.1
hypothetical protein [Cryphonectria hypovirus 1]	1474	1474	53%	0.0	38%	NP_041091.1
RecName: Full=ORFB polyprotein; Contains: RecName: Full=Papain-like protease p48; Contains: RecName: Full=Putative RNA-directed RNA polymerase/helicase	1471	1471	53%	0.0	38%	Q9YTU2.1
ORF B [Cryphonectria hypovirus 1]	1471	1471	53%	0.0	38%	AUZ41744.1
ORF B [Cryphonectria hypovirus 1]	1471	1471	53%	0.0	38%	ATZ76103.1
ORF B [Cryphonectria hypovirus 1]	1470	1470	53%	0.0	38%	ATZ76111.1
polyprotein [Cryphonectria hypovirus 1]	1469	1469	53%	0.0	38%	AME30126.1
ORF B [Cryphonectria hypovirus 1]	1468	1468	53%	0.0	38%	ATZ76101.1
ORF B [Cryphonectria hypovirus 1]	1468	1468	53%	0.0	38%	ATZ76105.1
ORFB [Cryphonectria hypovirus 1]	1466	1466	53%	0.0	38%	ABI64296.1
ORF B [Cryphonectria hypovirus 1]	1459	1459	53%	0.0	38%	ATZ76107.1
hypothetical protein FgHV1gp2 [Fusarium graminearum hypovirus 1]	1396	1476	64%	0.0	35%	YP_009011065.1
polyprotein [Cryphonectria hypovirus 2]	1128	1521	50%	0.0	39%	NP_613266.1
replicase [Entoleuca hypovirus 1]	614	850	45%	1e-172	29%	AVD68669.1
polyprotein [Rosellinia necatrix hypovirus 2]	612	847	45%	6e-172	29%	BBB886776.1
polyprotein [Rosellinia necatrix hypovirus 2]	611	846	45%	2e-171	29%	BBB886794.1
replicase [Entoleuca hypovirus 1]	611	845	45%	2e-171	29%	AVK39795.1
polyprotein [Rosellinia necatrix hypovirus 2]	535	718	37%	4e-151	29%	BBB886803.1
polyprotein [Rosellinia necatrix hypovirus 2]	531	714	37%	4e-150	29%	BBB886801.1
polyprotein [Sclerotium rolfsii hypovirus 8]	528	528	52%	2e-146	25%	AZF86113.1
polyprotein [Rosellinia necatrix hypovirus 1]	515	690	46%	2e-142	28%	YP_009448196.1
polyprotein [Fusarium poae hypovirus 1]	504	680	46%	6e-139	28%	BAV56305.1
polyprotein [Fusarium graminearum hypovirus 2]	502	677	47%	2e-138	28%	YP_009130646.1
polyprotein [Fusarium langsethiae hypovirus 1]	501	669	46%	5e-138	28%	YP_009330037.1
replicase [Agaricus bisporus virus 2]	497	708	47%	9e-137	28%	AQM49947.1
replicase [Agaricus bisporus virus 2]	496	707	47%	2e-136	28%	AQM49946.1
replicase [Agaricus bisporus virus 2]	496	707	47%	2e-136	28%	AQM49918.1
hypothetical protein [Trichoderma hypovirus]	195	195	7%	5e-49	35%	AFR77082.1
polyprotein [Sclerotium rolfsii hypovirus 1]	190	376	47%	7e-44	24%	AZA15168.1
polyprotein [Sclerotium rolfsii hypovirus 1]	180	180	25%	3e-41	24%	AOX49921.1
polyprotein [Sclerotinia sclerotiorum hypovirus 2]	181	264	30%	5e-41	24%	YP_008828161.1
polyprotein [Sclerotinia sclerotiorum hypovirus 2]	181	261	30%	6e-41	24%	AIA61616.1
RNA-dependent RNA polymerase [Sclerotinia sclerotiorum hypovirus 2]	180	265	30%	9e-41	24%	AHE13861.1
ORF B [Cryphonectria hypovirus 1]	155	155	8%	6e-37	31%	AAP43896.1
ORF B [Cryphonectria hypovirus 1]	155	155	8%	1e-36	31%	AAP43901.1
ORF B [Cryphonectria hypovirus 1]	155	155	8%	1e-36	30%	AAP43895.1
ORF B [Cryphonectria hypovirus 1]	154	154	8%	3e-36	30%	AAO43503.1
ORF B [Cryphonectria hypovirus 1]	154	154	8%	3e-36	30%	AAP43900.1

ORF B [Cryphonectria hypovirus 1]	153	153	8%	4e-36	32%	AAO43502.1
OrfB [Cryphonectria hypovirus 1]	153	153	8%	6e-36	32%	AAM96812.1
ORF B [Cryphonectria hypovirus 1]	152	152	8%	9e-36	30%	AAP43898.1
OrfB [Cryphonectria hypovirus 1]	152	152	8%	9e-36	32%	AAM96807.1
OrfB [Cryphonectria hypovirus 1]	152	152	8%	1e-35	32%	AAM96815.1
OrfB [Cryphonectria hypovirus 1]	152	152	8%	1e-35	32%	AAM96804.1
OrfB [Cryphonectria hypovirus 1]	152	152	8%	1e-35	32%	AAM96789.1
OrfB [Cryphonectria hypovirus 1]	152	152	8%	1e-35	32%	AAM96809.1
OrfB [Cryphonectria hypovirus 1]	152	152	8%	1e-35	32%	AAM96800.1
OrfB [Cryphonectria hypovirus 1]	151	151	8%	3e-35	32%	AAM96817.1
OrfB [Cryphonectria hypovirus 1]	150	150	8%	3e-35	32%	AAM96814.1
OrfB [Cryphonectria hypovirus 1]	150	150	8%	3e-35	32%	AAM96801.1
OrfB [Cryphonectria hypovirus 1]	150	150	8%	4e-35	32%	AAM96803.1
OrfB [Cryphonectria hypovirus 1]	150	150	8%	4e-35	32%	AAM96802.1
OrfB [Cryphonectria hypovirus 1]	150	150	8%	4e-35	32%	AAM96794.1
OrfB [Cryphonectria hypovirus 1]	150	150	8%	5e-35	32%	AAM96799.1
OrfB [Cryphonectria hypovirus 1]	150	150	8%	6e-35	32%	AAM96797.1
ORF B [Cryphonectria hypovirus 1]	149	149	8%	1e-34	30%	AAP43894.1
polyprotein [Fusarium graminearum hypovirus 2]	154	154	14%	3e-33	25%	AKB94066.1
ORF B [Cryphonectria hypovirus 1]	144	144	8%	5e-33	29%	AAP43899.1
ORF2 [Ceratobasidium hypovirus A]	122	207	18%	1e-23	26%	AOX47536.1
replicase [Entoleuca hypovirus 1]	108	108	4%	4e-22	34%	AVK70320.1
replicase [Entoleuca hypovirus 1]	107	107	4%	6e-22	34%	AVK70315.1
ORF [Ceratobasidium hypovirus-like]	114	114	10%	7e-22	24%	AOX47561.1
replicase [Entoleuca hypovirus 1]	107	107	4%	8e-22	34%	AVK70309.1
replicase [Entoleuca hypovirus 1]	107	107	4%	9e-22	34%	AVK70314.1
replicase [Entoleuca hypovirus 1]	106	106	4%	1e-21	34%	AVK70307.1
replicase [Entoleuca hypovirus 1]	105	105	4%	5e-21	34%	AVK70313.1
replicase [Entoleuca hypovirus 1]	104	104	4%	6e-21	34%	AVK70318.1
replicase [Entoleuca hypovirus 1]	104	104	4%	7e-21	34%	AVK70325.1
putative RNA helicase [Agaricus bisporus virus X]	103	103	6%	1e-19	32%	CAD19173.1
replicase [Entoleuca hypovirus 1]	100	100	4%	3e-19	31%	AVK70326.1
ORF [Ceratobasidium hypovirus-like]	97.1	160	13%	8e-16	26%	AOX47559.1
polyprotein [Beihai sipunculid worm virus 6]	95.9	147	13%	3e-15	26%	YP_009333562.1
hypothetical protein BO78DRAFT_420497 [Aspergillus sclerotii carbonarius CBS 121057]	84.3	84.3	2%	2e-12	39%	PYI04538.1
RNA-dependent RNA polymerase [Cryphonectria hypovirus 1]	72.4	72.4	1%	3e-11	46%	AZP89725.1
polyprotein [Sclerotinia sclerotiorum hypovirus 6]	80.9	80.9	9%	9e-11	25%	AZF86111.1
OrfB [Cryphonectria hypovirus 1]	71.6	71.6	4%	3e-09	30%	AZL49118.1
OrfB [Cryphonectria hypovirus 1]	71.2	71.2	4%	3e-09	27%	AZL49104.1
OrfB [Cryphonectria hypovirus 1]	71.2	71.2	4%	3e-09	29%	AZL49119.1
OrfB [Cryphonectria hypovirus 1]	71.2	71.2	4%	3e-09	29%	AZL49084.1
OrfB [Cryphonectria hypovirus 1]	71.2	71.2	4%	4e-09	29%	AZL49086.1
OrfB [Cryphonectria hypovirus 1]	70.9	70.9	4%	5e-09	29%	AZL49080.1
OrfB [Cryphonectria hypovirus 1]	70.9	70.9	4%	6e-09	29%	AZL49083.1
OrfB [Cryphonectria hypovirus 1]	70.5	70.5	4%	6e-09	29%	AZL49064.1
polyprotein [Rosellinia necatrix hypovirus 2]	74.7	74.7	3%	7e-09	33%	BBB86800.1
OrfB [Cryphonectria hypovirus 1]	70.1	70.1	4%	7e-09	28%	AZL49072.1
OrfB [Cryphonectria hypovirus 1]	70.1	70.1	4%	1e-08	29%	AZL49085.1
OrfB [Cryphonectria hypovirus 1]	70.1	70.1	4%	1e-08	28%	AZL49108.1
OrfB [Cryphonectria hypovirus 1]	70.1	70.1	4%	1e-08	29%	AZL49113.1
OrfB [Cryphonectria hypovirus 1]	70.1	70.1	4%	1e-08	29%	AZL49059.1

OrfB [Cryphonectria hypovirus 1]	69.7	69.7	4%	1e-08	29%	AZL49057.1
OrfB [Cryphonectria hypovirus 1]	69.7	69.7	4%	1e-08	27%	AZL49070.1
OrfB [Cryphonectria hypovirus 1]	69.7	69.7	4%	1e-08	29%	AZL49058.1
OrfB [Cryphonectria hypovirus 1]	69.3	69.3	4%	2e-08	28%	AZL49065.1
polyprotein [Rosellinia necatrix hypovirus 2]	72.8	72.8	3%	2e-08	31%	BBB86804.1
OrfB [Cryphonectria hypovirus 1]	69.3	69.3	4%	2e-08	29%	AZL49063.1