

Mimivirus Relatives in the Sargasso Sea

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List of Mimivirus ORFs exhibiting a best match in the env-nr database

Mimi ORF	Best Env-nr Match ID				Score	E-value	Best nr Match ID				Score	E-value
L18	gi	43710841	gb	EAF10508.1	137.1	4.7e-31	gi	51244078	ref	YP_063962.1	106.7	2.7e-21
L25	gi	42923128	gb	EAB28610.1	169.1	5e-41	gi	34876677	ref	XP_214012.2	163.3	1.1e-38
L75	gi	43124292	gb	EAC28017.1	51.6	1.1e-05	gi	13794513	gb	AAK39888.1	51.22	5.5e-05
L93	gi	42923128	gb	EAB28610.1	177.9	1.6e-43	gi	40740451	gb	EAA59641.1	156.8	1.5e-36
L100	gi	42923128	gb	EAB28610.1	119	1.4e-25	gi	40740451	gb	EAA59641.1	117.9	1.2e-24
L102	gi	44215848	gb	EAH75003.1	46.98	0.00017	gi	19703853	ref	NP_603415.1	41.2	0.035
R106	gi	43776260	gb	EAF42614.1	139	8.1e-32	gi	37676542	ref	NP_936938.1	107.1	1.4e-21
L111	gi	43296731	gb	EAD14168.1	46.21	0.0006	gi	16805307	ref	NP_473335.1	41.2	0.077
L113	gi	43770287	gb	EAF39597.1	50.45	8.8e-06	gi	23498951	emb	CAD51029.1	43.9	0.003
R118	gi	44281621	gb	EAI17665.1	187.6	1.6e-46	gi	56965351	ref	YP_177083.1	43.51	0.014
R132	gi	42849963	gb	EAA92307.1	98.6	4.3e-20	gi	33864966	ref	NP_896525.1	61.62	2.1e-08
R135	gi	44399015	gb	EAI99687.1	99.37	1.4e-19	gi	48769830	ref	ZP_00274174.1	97.06	2.7e-18
L136	gi	43375980	gb	EAD52870.1	211.5	9.9e-54	gi	56708496	ref	YP_170392.1	107.5	7.9e-22
R139	gi	42931622	gb	EAB32840.1	57	1.8e-07	gi	30409752	gb	AAP32727.1	55.45	2e-06
L143	gi	43788785	gb	EAF48931.1	101.7	8e-21	gi	54031509	ref	ZP_00363643.1	53.91	7.4e-06
L174	gi	43709436	gb	EAF09806.1	48.52	0.0001	gi	13358136	ref	NP_078410.1	45.44	0.003
L177	gi	43660484	gb	EAE85189.1	47.75	0.00021	gi	56526423	emb	CAH77752.1	44.67	0.007
L193	gi	43116621	gb	EAC24307.1	138.7	1.7e-31	gi	59889773	emb	CAH19128.1	110.2	2.6e-22
L206	gi	44511459	gb	EAJ77190.1	210.7	2e-53	gi	13358409	ref	NP_078717.1	163.7	1.1e-38
L207	gi	43582640	gb	EAE46140.1	115.2	1.9e-24	gi	13358409	ref	NP_078717.1	101.3	1.1e-19
L208	gi	43154232	gb	EAC42788.1	54.3	6.8e-07	gi	23509124	ref	NP_701792.1	44.67	0.002
L215	gi	43198765	gb	EAC64922.1	45.44	9.8e-05	gi	30249486	ref	NP_841556.1	43.9	0.001
R240	gi	43054398	gb	EAB93597.1	83.57	9.3e-15						
L250	gi	43527692	gb	EAE18541.1	133.7	3.8e-30	gi	17136758	ref	NP_476888.1	121.3	7.9e-26
L251	gi	44049491	gb	EAG84927.1	263.5	8.5e-69	gi	13357908	ref	NP_078182.1	251.5	1.4e-64
R267	gi	42923128	gb	EAB28610.1	114	2.9e-24	gi	40740517	gb	EAA59707.1	111.7	5.7e-23
L279	gi	42977843	gb	EAB55869.1	46.21	0.00082	gi	23508131	ref	NP_700801.1	45.05	0.007
R296	gi	44416870	gb	EAJ11899.1	138.7	6.8e-32	gi	48845024	ref	ZP_00299314.1	132.9	1.5e-29
R299	gi	43651599	gb	EAE80654.1	82.42	3.4e-15	gi	46440930	gb	EAL00231.1	80.88	3.7e-14
L300	gi	44143264	gb	EAH36242.1	59.31	1.5e-08	gi	50292185	ref	XP_448525.1	54.3	1.7e-06
R301	gi	42942338	gb	EAB38176.1	64.7	1.8e-09	gi	15042460	gb	AAK82240.1	48.14	0.00068
L315	gi	42953235	gb	EAB43598.1	88.97	5.4e-17	gi	56964473	ref	YP_176204.1	70.86	5.9e-11

L318	gi	44268792	gb	EAI09019.1	214.2	1.5e-54	gi	33416901	gb	AAH55597.1		160.2	1e-37
L320	gi	43010993	gb	EAB72269.1	101.3	8.6e-21	gi	30691953	ref	NP_174343.2		67.01	6.9e-10
R322	gi	44500797	gb	EAJ70042.1	230.7	1.1e-58	gi	1655695	emb	CAA93738.1		160.2	7.5e-37
R325	gi	42880571	gb	EAB07497.1	98.6	3.4e-20	gi	2738426	gb	AAB94453.1		58.15	1.8e-07
R339	gi	43154902	gb	EAC43116.1	60.46	7.5e-09	gi	17136888	ref	NP_476967.1		58.92	7.6e-08
R341	gi	42929462	gb	EAB31721.1	122.1	1.6e-26	gi	9628175	ref	NP_042761.1		72.02	7.5e-11
R343	gi	43750296	gb	EAF29561.1	131.3	2.3e-29	gi	30021937	ref	NP_833568.1		129	4.6e-28
R354	gi	43821272	gb	EAF65062.1	154.1	3.4e-36	gi	9631735	ref	NP_048514.1		68.94	5.8e-10
R355	gi	43665722	gb	EAE87837.1	121.3	1.1e-26	gi	450711	emb	CAA50819.1		52.37	2.4e-05
L364	gi	42987215	gb	EAB60545.1	72.02	1.7e-11	gi	4049749	gb	AAC97709.1		63.54	2.4e-08
R366	gi	43171483	gb	EAC51308.1	255	5.5e-66	gi	50302815	ref	XP_451344.1		144.1	5.6e-32
R368	gi	43105861	gb	EAC18976.1	113.6	4.3e-25	gi	13177431	gb	AAK14575.1		73.94	1.1e-12
L371	gi	42973284	gb	EAB53609.1	113.6	7.7e-24	gi	40556241	ref	NP_955326.1		109.8	4.5e-22
L374	gi	43006294	gb	EAB69978.1	58.15	6.6e-08	gi	49528793	emb	CAG62455.1		37.35	0.452
L375	gi	44363842	gb	EAI74667.1	131.3	1.3e-29	gi	450699	emb	CAA50807.1		72.4	2.9e-11
L377	gi	43715140	gb	EAF12631.1	141.7	4.2e-32	gi	37722439	gb	AAP33184.1		127.9	2.6e-27
R378	gi	43174352	gb	EAC52755.1	53.53	1.2e-06	gi	56489446	emb	CAI03544.1		49.68	6.4e-05
R382	gi	44465210	gb	EAJ45951.1	166	2.1e-39	gi	6319713	ref	NP_009795.1		85.89	1.2e-14
R383	gi	43262281	gb	EAC96836.1	69.32	6e-11	gi	17137638	ref	NP_477413.1		51.6	5.1e-05
L388	gi	44253396	gb	EAH98417.1	77.8	1.1e-13	gi	56961986	ref	YP_173708.1		75.48	2.1e-12
L396	gi	43615322	gb	EAE62377.1	173.3	5.1e-42	gi	13177345	gb	AAK14489.1		167.5	1.1e-39
R398	gi	43115033	gb	EAC23498.1	120.6	1.3e-26	gi	46226486	gb	EAK87480.1		62.39	1.7e-08
R409	gi	43205815	gb	EAC68464.1	52.37	2.4e-06	gi	37725924	gb	AAO38040.1		38.89	0.097
R411	gi	43523940	gb	EAE16653.1	78.57	1.8e-13	gi	3116125	emb	CAA18875.1		77.8	1.2e-12
L417	gi	44253353	gb	EAH98387.1	102.1	1.3e-20	gi	9632055	ref	NP_048844.1		59.31	4e-07
R418	gi	44628310	gb	EAK59119.1	122.9	4.8e-28	gi	11498373	ref	NP_069601.1		121.3	5.8e-27
L425	gi	44004806	gb	EAG60442.1	142.5	8e-33	gi	4587052	dbj	BAA76601.1		119.8	2.2e-25
L426	gi	43035635	gb	EAB84418.1	68.55	5e-11	gi	46241679	gb	AAS83064.1		63.16	7.8e-09
R429	gi	43593604	gb	EAE51661.1	216.5	4.1e-55	gi	9632061	ref	NP_048850.1		152.5	2.9e-35
R430	gi	42973834	gb	EAB53885.1	53.91	1.6e-06	gi	9632061	ref	NP_048850.1		46.21	0.001
L432	gi	44173673	gb	EAH52299.1	151.4	5.4e-36	gi	48730983	ref	ZP_00264729.1		146.4	6.6e-34
R435	gi	43287470	gb	EAD09576.1	66.63	4.8e-10	gi	23481897	gb	EAA18039.1		48.52	0.00054
L437	gi	44215544	gb	EAH74836.1	177.6	1.1e-43	gi	16151622	dbj	BAB69884.1		157.1	6.1e-37
R439	gi	43111515	gb	EAC21807.1	173.7	4.6e-42	gi	4587052	dbj	BAA76601.1		164.5	1.1e-38
R440	gi	43011410	gb	EAB72486.1	90.12	2.9e-16	gi	23510178	ref	NP_702844.1		78.95	2.7e-12
R441	gi	43269509	gb	EAD00518.1	209.9	4.8e-53	gi	3341805	gb	AAC27492.1		137.9	9.4e-31
R443	gi	44226821	gb	EAH81210.1	63.16	1e-09	gi	56470459	gb	EAL48116.1		52.37	6e-06
R445	gi	43027882	gb	EAB80631.1	50.06	4.1e-05	gi	34397716	gb	AAQ66777.1		48.14	0.00061

L446	gi	42912213	gb	EAB23180.1	95.52	7.2e-19	gi	47569527	ref	ZP_00240206.1	84.73	5e-15
R447	gi	43125924	gb	EAC28806.1	60.46	2.9e-09	gi	9632052	ref	NP_048841.1	46.98	0.00014
R449	gi	43476579	gb	EAD93014.1	122.9	1.1e-26	gi	13177377	gb	AAK14521.1	62.39	6.9e-08
R450	gi	42883300	gb	EAB08831.1	48.91	8.6e-05	gi	38683713	gb	AAR26889.1	40.05	0.157
L451	gi	44145880	gb	EAH37686.1	51.22	2.2e-05	gi	23612730	ref	NP_704269.1	45.82	0.004
R453	gi	43138976	gb	EAC35259.1	74.33	2e-12	gi	23481840	gb	EAA17997.1	51.99	4.2e-05
L454	gi	43184473	gb	EAC57805.1	72.79	2.7e-11	gi	16805082	ref	NP_473111.1	70.09	7.1e-10
R468	gi	43479103	gb	EAD94286.1	46.98	0.00017						
L471	gi	44521596	gb	EAJ83983.1	48.91	0.0001	gi	23510142	ref	NP_702808.1	44.67	0.008
R472	gi	43137277	gb	EAC34419.1	111.7	7.2e-23	gi	33414605	gb	AAL38220.2	63.54	9.3e-08
L479	gi	44350833	gb	EAI65324.1	82.03	5.2e-15	gi	52788091	ref	YP_093919.1	70.48	6e-11
L483	gi	42923128	gb	EAB28610.1	161	1.9e-38	gi	42555731	gb	EAA78537.1	157.5	8.3e-37
L485	gi	44073294	gb	EAG98118.1	48.52	2.8e-05	gi	23509456	ref	NP_702123.1	41.2	0.015
R489	gi	43155682	gb	EAC43508.1	67.78	8e-11	gi	9631920	ref	NP_048709.1	47.75	0.00032
L491	gi	44049493	gb	EAG84928.1	61.62	7.8e-09	gi	56473336	gb	EAL50770.1	48.52	0.00026
R493	gi	43155685	gb	EAC43510.1	153.3	4.7e-36	gi	18726	emb	CAA39239.1	88.58	5.7e-16
L496	gi	43924053	gb	EAG16876.1	67.4	1.5e-10	gi	60468406	gb	EAL66411.1	51.99	2.6e-05
R502	gi	44245809	gb	EAH92811.1	46.21	0.00033	gi	23612359	ref	NP_703939.1	38.12	0.343
L504	gi	43757624	gb	EAJ33258.1	51.22	2.1e-05	gi	23619172	ref	NP_705134.1	40.05	0.192
L507	gi	44275242	gb	EAI13417.1	99.37	3.3e-20	gi	9632038	ref	NP_048827.1	88.97	1.7e-16
R508	gi	43850909	gb	EAJ79670.1	70.09	3.3e-11	gi	46440772	gb	EAL00074.1	43.9	0.01
R512	gi	43084896	gb	EAC08655.1	107.8	5.3e-23	gi	34333239	gb	AAQ64394.1	68.55	1.3e-10
L539	gi	44612196	gb	EAK47432.1	60.08	2.5e-08	gi	48095940	ref	XP_394563.1	53.91	6.9e-06
R555	gi	44074387	gb	EAG98725.1	221.1	6.6e-56	gi	48477311	ref	YP_023017.1	129	1.4e-27
R568	gi	44444139	gb	EAJ31047.1	82.03	2.2e-14	gi	42782567	ref	NP_979814.1	78.18	1.3e-12
R569	gi	43851406	gb	EAJ79912.1	46.59	0.00037	gi	14247226	dbj	BAB57617.1	42.36	0.027
R571	gi	42912213	gb	EAB23180.1	103.2	2.9e-21	gi	54303145	ref	YP_133138.1	87.43	6.5e-16
R592	gi	43246588	gb	EAC88951.1	70.48	8.4e-11	gi	19173110	ref	NP_597661.1	67.01	3.8e-09
L593	gi	44438438	gb	EAJ27151.1	128.3	6e-29	gi	54029386	ref	ZP_00361528.1	114.4	3.4e-24
R595	gi	43331658	gb	EAD31349.1	97.44	1.6e-19	gi	42553185	gb	EAA76028.1	90.12	9.8e-17
R596	gi	43382223	gb	EAD56003.1	119.8	2.9e-26	gi	13177431	gb	AAK14575.1	104.4	5e-21
R604	gi	43049485	gb	EAB91155.1	47.37	0.00028	gi	23484531	gb	EAA19833.1	44.28	0.01
L620	gi	42912213	gb	EAB23180.1	57.77	2e-07	gi	19705025	ref	NP_602520.1	55.45	3.9e-06
R640	gi	44283592	gb	EAI18988.1	124.8	2.1e-27	gi	37519905	ref	NP_923282.1	112.8	3.4e-23
R648	gi	44283592	gb	EAI18988.1	167.5	2e-40	gi	37519905	ref	NP_923282.1	122.1	3.8e-26
R654	gi	43291944	gb	EAD11806.1	97.44	4.3e-19	gi	32263328	gb	AAP78373.1	84.34	1.5e-14
R667	gi	43769283	gb	EAJ39072.1	55.07	2.1e-07	gi	52841308	ref	YP_095107.1	50.83	9.6e-06
L687	gi	44566182	gb	EAK15053.1	244.6	9.5e-64	gi	46097173	gb	EAK82406.1	214.9	3.2e-54

R689	gi	44068613	gb	EAG95539.1	150.6	1.2e-35	gi	24378003	gb	AAN59275.1		144.1	4.4e-33
L690	gi	44283592	gb	EAI18988.1	152.5	6e-36	gi	37519905	ref	NP_923282.1		104.4	7.4e-21
R693	gi	43163235	gb	EAC47212.1	119.4	8.9e-27	gi	49235486	ref	ZP_00329554.1		115.5	3.2e-25
L716	gi	44016225	gb	EAG66729.1	69.32	2.4e-11	gi	15921096	ref	NP_376765.1		66.24	7.4e-10
R730	gi	44083879	gb	EAH03977.1	199.5	4.8e-50	gi	6466376	gb	AAF12958.1		123.2	1.7e-26
R753	gi	43500977	gb	EAE05248.1	85.89	1.7e-15	gi	46447199	ref	YP_008564.1		71.25	1.7e-10
R757	gi	43500977	gb	EAE05248.1	73.17	9.5e-12	gi	46447096	ref	YP_008461.1		65.86	6.2e-09
R758	gi	44662698	gb	EAK80724.1	54.68	4.7e-07	gi	50755591	ref	XP_414809.1		51.22	1.9e-05
R760	gi	43408903	gb	EAD65356.1	97.44	3.4e-19	gi	20521133	dbj	BAA31672.2		96.67	2.3e-18
R777	gi	42923128	gb	EAB28610.1	95.52	6.3e-19	gi	18676694	dbj	BAB84999.1		90.89	6.1e-17
L780	gi	43372155	gb	EAD50923.1	280.4	1.3e-74	gi	56472969	gb	EAL50422.1		237.7	3.7e-61
R791	gi	43884722	gb	EAJ96312.1	79.72	3.3e-14	gi	32419933	ref	XP_330410.1		78.95	2.2e-13
R802	gi	44389434	gb	EAI92933.1	59.69	2.7e-08	gi	25010522	ref	NP_734917.1		57.77	3.9e-07
R815	gi	44467483	gb	EAJ47513.1	109.4	9.5e-23	gi	52841586	ref	YP_095385.1		107.8	1.1e-21
R832	gi	44335875	gb	EAI54742.1	123.2	4.5e-27	gi	13475556	ref	NP_107120.1		112.5	3.1e-23
R835	gi	43881322	gb	EAJ94645.1	87.43	1.8e-16	gi	24646968	ref	NP_650415.1		84.34	5.8e-15
R837	gi	44398294	gb	EAI99192.1	86.27	1e-15	gi	1845265	gb	AAB47805.1		84.73	1.2e-14
R843	gi	44554385	gb	EAK06651.1	53.53	2.9e-06							
R844	gi	43318044	gb	EAD24737.1	83.57	1.3e-15	gi	53730512	ref	ZP_00151259.2		76.64	6e-13
R846	gi	43713504	gb	EAJ11838.1	61.23	4.2e-09	gi	47214900	emb	CAG01031.1		60.46	2.5e-08
R847	gi	44398294	gb	EAI99192.1	74.71	2.4e-13	gi	28373837	pdb	1NOR	A	71.63	5.2e-12
R848	gi	42923128	gb	EAB28610.1	110.5	1.5e-23	gi	58699292	ref	ZP_00374082.1		98.98	1.7e-19
R850	gi	43710841	gb	EAJ10508.1	65.86	1.1e-09	gi	48834353	ref	ZP_00291368.1		63.16	3e-08
R852	gi	43536538	gb	EAE22952.1	115.9	2e-25	gi	33860982	ref	NP_892543.1		99.37	7e-20
R853	gi	43166050	gb	EAC48610.1	108.2	1.2e-23	gi	33860982	ref	NP_892543.1		86.27	2.1e-16
R855	gi	44585905	gb	EAK28804.1	120.6	2.4e-27	gi	33860982	ref	NP_892543.1		101.3	6.2e-21
R877	gi	43313336	gb	EAD22405.1	95.13	2.6e-19	gi	26990735	ref	NP_746160.1		94.74	1.2e-18
L893	gi	44629372	gb	EAK59899.1	62.77	1e-09	gi	57101548	ref	XP_541839.1		59.31	2.7e-08
L894	gi	44600496	gb	EAK39086.1	109.4	7.2e-23	gi	45684031	ref	ZP_00195462.1		93.59	1.6e-17
R901	gi	42923128	gb	EAB28610.1	162.5	5.5e-39	gi	42555731	gb	EAA78537.1		157.1	9.1e-37