

Table S8. SflIV-Arg genome annotation

ORF notation	Locus tag	Product	Start	End	Strand	Identity (%)	Alignment length (bp)	E-Value	TM domain count
ORF001R*	CGAJLDHN_00162	Major capsid protein	1	1386	-	95.6	454	2.12e-317	0
ORF002L	CGAJLDHN_00163	Uncharacterized 15.9 kDa protein in MSP 5'region	1498	1911	+	52.8	106	3.99e-28	0
ORF003R	CGAJLDHN_00164	hypothetical protein	1943	2707	-				0
ORF004R	CGAJLDHN_00165	hypothetical protein	2776	3123	-			1.55e-18	2
ORF005R*	CGAJLDHN_00166	Putative myristoylated protein 006R of IIV3	3140	4681	-	56.4	493	7.36e-193	3
ORF006L	CGAJLDHN_00167	hypothetical protein	4839	5687	+				0
ORF007R	CGAJLDHN_00168	Uncharacterized protein 004R of IIV3	5709	5894	-	50.8	65	3.52e-08	0
ORF008R*	CGAJLDHN_00169	Uncharacterized protein 004R of IIV3	6001	6669	-	59.3	221	1.86e-66	0
ORF009R	CGAJLDHN_00170	Uncharacterized protein 004R of IIV3	6635	6976	-	54.1	74	4.20e-17	0
ORF010L	CGAJLDHN_00171	hypothetical protein	7035	7466	+				0
ORF011R	CGAJLDHN_00172	Putative RING finger protein 027R of IIV3	7521	7922	-	27.8	144	1.15e-08	0
ORF012R	CGAJLDHN_00173	Uncharacterized protein 026R of IIV3	8035	8334	-	68.6	86	4.59e-34	0
ORF013R	CGAJLDHN_00174	Uncharacterized protein 026R of IIV3	8276	8710	-	57.2	138	1.41e-46	0
ORF014R	CGAJLDHN_00175	hypothetical protein	8741	9253	-				1
ORF015R*	CGAJLDHN_00176	Ribonucleoside-diphosphate reductase small chain	9774	10802	-	79.1	340	6.28e-202	0
ORF016L	CGAJLDHN_00177	hypothetical protein	10996	11589	+				0
ORF017L	CGAJLDHN_00178	hypothetical protein	11712	11918	+				0
ORF018L	CGAJLDHN_00179	hypothetical protein	12960	13115	+				0
ORF019R	CGAJLDHN_00180	Uncharacterized protein 050L of IIV3	13629	13772	-	60.5	43	1.31e-12	0
ORF020R	CGAJLDHN_00181	Uncharacterized protein 050L of IIV3	13769	14026	-	58.4	77	1.63e-23	0
ORF021R	CGAJLDHN_00182	Putative Bro-N domain-containing protein 019R of IIV3	14528	15085	-	62.1	161	7.48e-65	0
ORF022R	CGAJLDHN_00183	Putative MSV199 domain-containing protein 420R of IIV6	15082	15330	-	47.0	66	2.67e-12	0
ORF023R	CGAJLDHN_00184	Putative MSV199 domain-containing protein 420R of IIV6	15330	15572	-	44.9	49	2.34e-06	0
ORF024R	CGAJLDHN_00185	Uncharacterized protein 107R of IIV3	15811	16239	-	52.0	102	3.72e-21	0
ORF025R	CGAJLDHN_00186	Uncharacterized protein 107R of IIV3	16450	16731	-	46.7	60	1.17e-10	0
ORF026R	CGAJLDHN_00187	Putative MSV199 domain-containing protein 212L of IIV6	17144	17596	-	37.6	149	8.84e-21	0
ORF027R	CGAJLDHN_00188	acid-amino acid ligase activity	17762	18100	-			2.32e-21	0
ORF028R	CGAJLDHN_00189	Uncharacterized protein 017R of IIV3	18511	18687	-	65.5	55	0	0
ORF029R	CGAJLDHN_00190	hypothetical protein	18663	18782	-				0
ORF030R	CGAJLDHN_00191	Uncharacterized protein 017R of IIV3	18815	19096	-	50.0	74	2.95e-13	0
ORF031R	CGAJLDHN_00192	hypothetical protein	19198	19290	-				0
ORF032L	CGAJLDHN_00193	Uncharacterized protein 422L of IIV6	19416	19916	+	43.7	167	6.6e-34	0
ORF033R	CGAJLDHN_00194	hypothetical protein	20099	20440	-				0
ORF034R	CGAJLDHN_00195	Probable cysteine proteinase 024R of IIV3	20483	21922	-	55.0	487	2.68e-193	1
ORF035R	CGAJLDHN_00196	Putative FAS1 domain-containing protein 081L of IIV3	22001	22567	-	33.5	188	3.55e-25	0
ORF036L	CGAJLDHN_00001	Uncharacterized protein 115R of IIV3	23143	23400	+	60.3	78	5.66e-29	0

ORF037L	CGAJLDHN_00002	Uncharacterized protein 119R of IIV3	23525	24019	+	70.6	51	4.63e-20	0
ORF038R	CGAJLDHN_00003	hypothetical protein	24067	24741	-				0
ORF039R	CGAJLDHN_00004	hypothetical protein	24775	25275	-	46.6	133	3.38e-32	0
ORF040L	CGAJLDHN_00005	High mobility group protein homolog 068R of IIV3	25426	25890	+	81.3	139	2.6e-71	0
ORF041L	CGAJLDHN_00006	hypothetical protein	26093	26341	+				0
ORF042R*	CGAJLDHN_00007	RNA polymerase Rpb1, domain 3	26447	29446	-	66.3	1044	0.0	0
ORF043R	CGAJLDHN_00008	DNA-directed RNA polymerase subunit 1	29587	30456	-	80.7	274	5.97e-157	0
ORF044R*	CGAJLDHN_00009	XPG I-region	31344	32441	-	52.8	377	8.01e-131	0
ORF045R	CGAJLDHN_00010	hypothetical protein	32804	33667	-				0
ORF046R	CGAJLDHN_00011	hypothetical protein	33706	34281	-			6.36e-36	2
ORF047R	CGAJLDHN_00012	Putative MSV199 domain-containing protein 468L of IIV6	34342	35493	-	40.1	364	1.43e-78	0
ORF048L	CGAJLDHN_00013	Uncharacterized protein 113L of IIV3	35599	37926	+	51.4	803	9.32e-270	0
ORF049L	CGAJLDHN_00014	Trypsin Inhibitor like cysteine rich domain	38012	38239	+	49.1	57	1.01e-16	0
ORF050R	CGAJLDHN_00015	Uncharacterized protein 112R of IIV3	38282	38623	-	48.6	111	6.00e-31	1
ORF051R	CGAJLDHN_00016	phosphatase activity	38673	39125	-	62.5	152	1.65e-66	0
ORF052L	CGAJLDHN_00017	Uncharacterized protein 001R of IIV3	39215	39778	+	36.4	187	3.04e-29	0
ORF053R	CGAJLDHN_00018	Uncharacterized protein 092R of IIV3	39952	40467	-	65.3	173	1.63e-72	0
ORF054R	CGAJLDHN_00019	kinase activity	40482	40991	-			3.58e-68	0
ORF055R	CGAJLDHN_00020	hypothetical protein	41089	42261	-				0
ORF056L	CGAJLDHN_00021	Uncharacterized protein 032R of IIV3	42509	43291	+	39.8	133	2.18e-18	0
ORF057L	CGAJLDHN_00022	hypothetical protein	43430	44176	+				0
ORF058L	CGAJLDHN_00023	Uncharacterized protein 018L of IIV3	44382	44909	+	47.4	175	2.56e-47	0
ORF059L	CGAJLDHN_00024	hypothetical protein	45005	45400	+				0
ORF060R	CGAJLDHN_00025	Putative MSV199 domain-containing protein 420R of IIV6	45422	46696	-	35.7	412	3.52e-61	0
ORF061R	CGAJLDHN_00026	N-methyltransferase activity	46771	48102	-	63.3	286	6.81e-122	0
ORF062L*	CGAJLDHN_00027	Uncharacterized protein 016R of IIV3	49102	50799	+	46.4	550	5.15e-158	0
ORF063L	CGAJLDHN_00028	Uncharacterized protein 016R of IIV3	50748	52463	+	53.0	592	1.11e-211	0
ORF064R	CGAJLDHN_00029	Uncharacterized protein 072L of IIV3	52493	52957	-	59.6	156	1.46e-58	0
ORF065L	CGAJLDHN_00030	Uncharacterized protein 073R of IIV3	53029	53586	+	45.6	169	5.57e-44	1
ORF066R	CGAJLDHN_00031	bis(5'-nucleosyl)-tetraphosphatase (symmetrical) activity	53721	55226	-	57.3	337	7.41e-138	0
ORF067L	CGAJLDHN_00032	protein tyrosine/serine/threonine phosphatase activity	55310	56029	+	55.5	238	4.02e-92	0
ORF068L	CGAJLDHN_00033	hypothetical protein	56084	57193	+				0
ORF069R	CGAJLDHN_00034	Probable matrix metalloproteinase 095L of IIV3	57222	58301	-	34.0	303	8.23e-52	0
ORF070L*	CGAJLDHN_00035	Erv1/Alr family	58381	58848	+	46.3	108	4.23e-37	1
ORF071R	CGAJLDHN_00036	Uncharacterized protein 082L of IIV3	58994	59437	-	27.5	153	1.60e-13	0
ORF072R	CGAJLDHN_00037	hypothetical protein	59501	59611	-				1
ORF073R	CGAJLDHN_00038	hypothetical protein	59634	59891	-				0
ORF074R	CGAJLDHN_00039	hypothetical protein	60092	60592	-			2.29e-15	0
ORF075R	CGAJLDHN_00040	OTU-like cysteine protease	60640	62967	-	53.1	843	1.76e-188	0

ORF076R	CGAJLDHN_00041	hypothetical protein	63502	63735	-				0
ORF077L	CGAJLDHN_00042	hypothetical protein	63758	63904	+				0
ORF078R	CGAJLDHN_00043	Uncharacterized protein 123L of IIV3	63944	64342	-	38.6	132	8.37e-21	0
ORF079L	CGAJLDHN_00044	Uncharacterized protein 124R of IIV3	64361	64996	+	36.2	224	3.02e-23	0
ORF080L	CGAJLDHN_00045	hypothetical protein	65046	65252	+				0
ORF081L	CGAJLDHN_00046	Uncharacterized protein 125R of IIV3	65291	66154	+	48.6	257	4.40e-90	0
ORF082L	CGAJLDHN_00047	Uncharacterized protein 126R of IIV3	66196	66483	+	46.7	105	2.78e-23	2
ORF083R	CGAJLDHN_00048	Putative MSV199 domain-containing protein 420R of IIV6	66514	67782	-	40.3	412	5.26e-90	0
ORF084R*	CGAJLDHN_00049	D5 N terminal like	68236	71055	-	69.6	941	0.0	0
ORF085R	CGAJLDHN_00050	Transmembrane protein 049L of IIV6	71167	71481	-	60.8	74	3.17e-23	3
ORF086R	CGAJLDHN_00051	DNA polymerase family B	71559	73151	-	61.2	402	7.09e-152	0
ORF087R*	CGAJLDHN_00052	DNA polymerase family B	73152	76328	-	60.9	870	0.0	0
ORF088R	CGAJLDHN_00053	hypothetical protein	76421	76717	-				0
ORF089L	CGAJLDHN_00054	Uncharacterized protein 051L of IIV3	76760	78226	+	31.6	320	8.81e-40	0
ORF090R	CGAJLDHN_00055	Uncharacterized protein 404L of IIV6	78314	79045	-	62.0	216	1.21e-96	0
ORF091R*	CGAJLDHN_00056	DNA-directed RNA polymerase subunit 2	79056	82427	-	77.4	1137	0.0	0
ORF092L	CGAJLDHN_00057	Uncharacterized protein 443R of IIV6	82491	84833	+	37.3	614.0	1.04e-65	0
ORF093L	CGAJLDHN_00058	hypothetical protein	84846	85076	+				0
ORF094R	CGAJLDHN_00059	Putative MSV199 domain-containing protein 468L of IIV6	85113	86294	-	42.6	383	2.78e-90	0
ORF095R	CGAJLDHN_00060	Uncharacterized protein 007R of IIV3	86352	87632	-	49.2	449	3.12e-132	0
ORF096R	CGAJLDHN_00061	Putative MSV199 domain-containing protein 468L of IIV6	87717	89048	-	37.4	380	1.55e-75	0
ORF097R	CGAJLDHN_00062	DNA ligase	89138	90967	-	42.7	553	4.31e-123	0
ORF098L	CGAJLDHN_00063	hypothetical protein	91122	91337	+				0
ORF099R	CGAJLDHN_00064	Uncharacterized protein 053L of IIV3	91506	91925	-	48.2	141	2.60e-40	0
ORF100R	CGAJLDHN_00065	Uncharacterized protein 120L of IIV6	91958	92200	-	62.5	56	4.33e-16	0
ORF101R	CGAJLDHN_00066	Uncharacterized protein 094L of IIV3	92229	94658	-	37.3	840	3.25e-147	0
ORF102R	CGAJLDHN_00067	hypothetical protein	94776	95576	-			9.06e-55	0
ORF103L*	CGAJLDHN_00068	Uncharacterized protein 033L of IIV3	95677	96240	+	62.9	178	7.66e-85	0
ORF104R	CGAJLDHN_00069	hypothetical protein	96256	96645	-				0
ORF105R	CGAJLDHN_00070	Uncharacterized protein 032R of IIV3	96721	97455	-	51.4	138	1.05e-36	0
ORF106R	CGAJLDHN_00071	hypothetical protein	97529	97948	-				0
ORF107L	CGAJLDHN_00072	uncharacterized protein 030L of IIV3	98825	99223	+	50.0	78	4.24e-19	0
ORF108R*	CGAJLDHN_00073	Putative kinase protein 029R of IIV3	99262	99834	-	57.4	190	5.82e-78	0
ORF109R	CGAJLDHN_00074	Uncharacterized protein 028R of IIV3	99878	100474	-	29.9	174	7.99e-21	0
ORF110R	CGAJLDHN_00075	hypothetical protein	100585	100767	-				0
ORF111R	CGAJLDHN_00076	Thymidylate synthase	100932	101825	-	49.8	293	4.41e-105	0
ORF112L	CGAJLDHN_00077	Uncharacterized protein 061R of IIV3	101885	102406	+	32.9	173	7.69e-21	0
ORF113L	CGAJLDHN_00078	Uncharacterized protein 061R of IIV3	102370	103287	+	40.4	297	1.12e-64	0
ORF114L	CGAJLDHN_00079	hypothetical protein	103367	103582	+				0
ORF115R	CGAJLDHN_00080	Putative MSV199 domain-containing protein 420R of IIV6	103622	104851	-	32.5	412	3.95e-58	0

ORF116L	CGAJLDHN_00081	Uncharacterized protein 063R of IIV3	105062	105736	+	42.7	227	2.51e-47	0
ORF117R	CGAJLDHN_00082	hypothetical protein	105775	106431	-				0
ORF118R	CGAJLDHN_00083	DNA topoisomerase 2	106443	109829	-	61.0	1129	0.0	0
ORF119L	CGAJLDHN_00084	hypothetical protein	110066	110245	+				1
ORF120L	CGAJLDHN_00085	Uncharacterized protein 099R of IIV3	110459	111448	+	59.4	202	7.01e-72	0
ORF121R	CGAJLDHN_00086	Uncharacterized protein 378R of IIV6	111479	112123	-	70.6	204	2.59e-73	0
ORF122R	CGAJLDHN_00087	Uncharacterized protein 443R of IIV6	112188	116096	-	39.0	1114	1.35e-133	0
ORF123R	CGAJLDHN_00088	Uncharacterized protein 229L of IIV6	116142	117419	-	48.8	418	7.51e-132	0
ORF124L	CGAJLDHN_00089	Putative MSV199 domain-containing protein 238R of IIV6	117606	119039	+	42.4	446	1.15e-86	0
ORF125R	CGAJLDHN_00090	Uncharacterized protein 045R of IIV3	119088	119372	-	68.1	94	8.30e-36	0
ORF126L	CGAJLDHN_00091	Putative serine/threonine-protein kinase 040L of IIV3	119523	120482	+	49.3	335	6.63e-107	0
ORF127R	CGAJLDHN_00092	UPF0213 protein CKO_04549	120506	120889	-	55.6	72	1.5e-17	0
ORF128L	CGAJLDHN_00093	hypothetical protein	120954	121490	+				0
ORF129R*	CGAJLDHN_00094	Uncharacterized protein 088R of IIV3	121538	122287	-	76.5	251	5.72e-144	0
ORF130R	CGAJLDHN_00095	Uncharacterized protein L5	122293	123711	-	33.8	337	1.02e-37	0
ORF131R	CGAJLDHN_00096	mRNA-decapping protein D10	124191	124859	-	40.7	216	6.86e-45	0
ORF132L	CGAJLDHN_00097	Poxvirus Late Transcription Factor VLTF3 like	125028	126200	+	69.3	388	3.59e-183	0
ORF133L	CGAJLDHN_00098	Uncharacterized protein 042R of IIV3	126230	126706	+	58.5	159	2.97e-62	0
ORF134R	CGAJLDHN_00099	Putative MSV199 domain-containing protein 468L of IIV6	126745	127863	-	46.0	352	8.02e-84	0
ORF135L	CGAJLDHN_00100	Putative MSV199 domain-containing protein 420R of IIV6	128134	129366	+	33.3	414	1.93e-64	0
ORF136R	CGAJLDHN_00101	Ribonucleotide reductase, barrel domain	129479	131857	-	57.7	780	1.38e-303	0
ORF137R	CGAJLDHN_00102	Uncharacterized protein 074L of IIV3	131938	134034	-	45.4	808	7.71e-215	0
ORF138L	CGAJLDHN_00103	Uncharacterized protein 443R of IIV6	134137	140991	+	32.0	1781	1.64e-119	0
ORF139L	CGAJLDHN_00104	Uncharacterized protein 043R of IIV3	141006	141197	+	74.6	63	2.09e-32	2
ORF140R*	CGAJLDHN_00105	Uncharacterized protein 038R of IIV3	141407	143059	-	54.3	549	2.43e-206	0
ORF141L	CGAJLDHN_00106	hypothetical protein	143124	143573	+				1
ORF142R	CGAJLDHN_00107	Putative thioredoxin-like protein 041R of IIV3	143611	143967	-	55.9	118	4.59e-47	0
ORF143R	CGAJLDHN_00108	hypothetical protein	143995	144165	-				0
ORF144R	CGAJLDHN_00109	Double-stranded RNA binding motif	144220	144615	-			3.20e-49	0
ORF145R	CGAJLDHN_00110	Immediate-early protein ICP-46 homolog	144763	146097	-	54.0	441	4.55e-156	0
ORF146L*	CGAJLDHN_00111	protein serine/threonine kinase activity	146200	147741	+	58.9	513	0.0	0
ORF147R	CGAJLDHN_00112	Putative SWIB domain-containing protein 070L of IIV3	147780	148520	-	56.3	229	1.77e-72	0
ORF148R	CGAJLDHN_00113	Putative MSV199 domain-containing protein 420R of IIV6	148655	148927	-	65.5	29	2.01e-07	0
ORF149L	CGAJLDHN_00114	N-methyltransferase activity	148951	150084	+	69.6	313	3.39e-148	0
ORF150L	CGAJLDHN_00115	N-methyltransferase activity	150309	151859	+	57.0	528	1.44e-203	0
ORF151R	CGAJLDHN_00116	Putative MSV199 domain-containing protein 238R of IIV6	151895	153403	-	40.2	463	6.62e-93	0
ORF152R*	CGAJLDHN_00117	Uncharacterized protein 060L of IIV3	153546	154310	-	53.4	264	1.61e-83	0
ORF153L	CGAJLDHN_00118	hypothetical protein	154477	154875	+				0
ORF154L	CGAJLDHN_00119	Uncharacterized protein 058R of IIV3	154952	155383	+	67.4	138	6.76e-67	0
ORF155R	CGAJLDHN_00120	hypothetical protein	155424	155564	-				0

ORF156R	CGAJLDHN_00121	hypothetical protein	155664	156161	-				0
ORF157R	CGAJLDHN_00122	XRN 5'-3' exonuclease N-terminus	156274	157968	-	63.2	571	1.88e-261	0
ORF158L	CGAJLDHN_00123	hypothetical protein	158143	158406	+				3
ORF159R	CGAJLDHN_00124	Belongs to the dihydrofolate reductase family	158395	158937	-	37.6	178	1.61e-38	0
ORF160R	CGAJLDHN_00125	Putative MSV199 domain-containing protein 468L of IIV6	158970	160286	-	42.8	355	1.05e-90	0
ORF161R	CGAJLDHN_00126	dUTPase	160688	161257	-	48.6	140	2.66e-35	1
ORF162L	CGAJLDHN_00127	Uncharacterized protein 97L	161388	161990	+	56.2	203	3.95e-74	0
ORF163L	CGAJLDHN_00128	Putative MSV199 domain-containing protein 420R of IIV6	162018	163334	+	39.5	448	1.01e-94	0
ORF164R	CGAJLDHN_00129	Uncharacterized protein 020R of IIV3	163405	163902	-	58.3	163	4.07e-63	0
ORF165L	CGAJLDHN_00130	Uncharacterized protein 071L of IIV3	164812	165456	+	67.3	205	2.29e-85	0
ORF166R*	CGAJLDHN_00131	Uncharacterized protein 106R of IIV3	165608	167041	-	61.9	465	7.06e-208	0
ORF167L	CGAJLDHN_00132	Uncharacterized protein 159L of IIV6	167173	168645	+	33.0	233	5.54e-28	0
ORF168L	CGAJLDHN_00133	Uncharacterized protein 159L of IIV6	168730	170208	+	32.9	231	7.33e-26	0
ORF169R	CGAJLDHN_00134	Uncharacterized protein 105R of IIV3	170253	170984	-	65.9	246	1.73e-112	0
ORF170L*	CGAJLDHN_00135	Putative CTD phosphatase-like protein 355R of IIV3	171107	171667	+	63.8	185	5.09e-81	0
ORF171R	CGAJLDHN_00136	Zinc finger, C3HC4 type (RING finger)	171693	172358	-	50.9	228	8.46e-62	0
ORF172R	CGAJLDHN_00137	Transmembrane protein 022L of IIV3	172421	173050	-	51.7	172	2.55e-54	6
ORF173R*	CGAJLDHN_00138	ribonuclease III activity	173263	174099	-	76.4	280	2.67e-148	0
ORF174R	CGAJLDHN_00139	hypothetical protein	174205	175020	-				0
ORF175R	CGAJLDHN_00140	Putative MSV199 domain-containing protein 238R of IIV6	175092	176585	-	42.2	446	2.28e-85	0
ORF176R	CGAJLDHN_00141	hypothetical protein	176586	176780	-				0
ORF177L	CGAJLDHN_00142	hypothetical protein	176915	177217	+				0
ORF178R*	CGAJLDHN_00143	Putative membrane protein 047R of IIV3	177340	178602	-	75.9	274	1.21e-170	2
ORF179R	CGAJLDHN_00144	Uncharacterized protein 102R of IIV3	178651	179004	-	59.1	115	2.52e-35	0
ORF180R	CGAJLDHN_00145	Uncharacterized protein 054L of IIV3	179102	179935	-	48.2	247	2.33e-74	0
ORF181L	CGAJLDHN_00146	Uncharacterized protein 085L of IIV3	180091	180561	+	65.0	137	3.59e-63	1
ORF182R	CGAJLDHN_00147	Putative zinc finger protein 012R of IIV3	181015	182163	-	43.2	382	2.52e-101	0
ORF183L*	CGAJLDHN_00148	Probable serine/threonine-protein kinase 380R of IIV6	182360	183925	+	41.9	544	1.38e-115	0
ORF184R*	CGAJLDHN_00149	Uncharacterized protein 056L of IIV3	183989	185014	-	43.5	345	3.71e-88	0
ORF185R	CGAJLDHN_00150	hypothetical protein	185152	185589	-				0
ORF186R	CGAJLDHN_00151	hypothetical protein	185642	186532	-			2.31e-112	0
ORF187L	CGAJLDHN_00152	Uncharacterized protein 069L of IIV3	186579	187850	+	46.1	425	2.86e-118	0
ORF188R	CGAJLDHN_00153	Putative Bro-N domain-containing protein 019R of IIV3	188012	189403	-	55.1	285	2.25e-89	0
ORF189R*	CGAJLDHN_00154	Putative transcription elongation factor S-II-like protein 055R of IIV3	189664	190086	-	46.8	139	1.74e-42	0
ORF190R*	CGAJLDHN_00155	Uncharacterized protein 035R of IIV3	190133	192577	-	48.9	841	2.98e-272	0
ORF191R	CGAJLDHN_00156	Uncharacterized protein 035R of IIV3	192670	193341	-	57.7	222	2.25e-78	0
ORF192R	CGAJLDHN_00157	Uncharacterized protein IIV3-013L	193455	193718	-	49.5	91	4.26e-20	1
ORF193R	CGAJLDHN_00158	hypothetical protein	193780	194097	-				0
ORF194R	CGAJLDHN_00159	hypothetical protein	194094	194318	-				0

ORF195R	CGAJLDHN_00160	Uncharacterized protein 009R of IIV6	194366	194626	-	60.5	81	1.22e-34	0
ORF196L	CGAJLDHN_00161	Uncharacterized protein 273R of IIV6	194689	195969	+	43.7	142	9.42e-26	0

*ORFs labeled with an asterisk denote core genes recovered and validated with VIGA across all five sequenced IIV genomes from lepidopteran hosts.

E-values: Gene annotation by Blast (normal text) or eggNOG-mapper (bold text).

TM domain content – transmembrane domains (alpha-helices) detected by using DeepTMHMM.