

# Supplementary Information

**Supplementary File 3.** Orthologous genes of *ONAC* genes.

<b>Os01g01470(ONAC020)</b>	<b>Os11g03300(ONAC122)</b>	<b>Os11g05614(ONAC017)</b>	<b>Os02g56600(ONAC032)</b>
Os01g29840(ONAC026)	Os12g03040(ONAC131)	Os12g05990(ONAC134)	Os04g43560(ONAC008)
Os02g34970(ONAC028)	Os01g66120(ONAC06)	Os03g04070(ONAC022)	Os11g04470(ONAC124)
Os04g35660(ONAC079)	Os05g34830(ONAC088)	Os06g51070(ONAC095)	Os12g04230(ONAC133)
Os10g09820(ONAC111)	Os01g64310(ONAC059)	Os02g18460(ONAC044)	Os11g03310(ONAC123)
Os11g04960(ONAC125)	Os05g37080(ONAC012)	Os02g18470(ONAC046)	Os11g03370(ONAC045)
		Os08g23880(ONAC105)	Os12g03050(ONAC132)
Os12g22630(ONAC136)	Os11g31330(ONAC025)	Os03g39050(ONAC064)	Os01g23710(ONAC030)
Os12g22940(ONAC137)	Os11g31340(ONAC127)	Os05g25960(ONAC086)	Os10g25620(ONAC112)
Os12g23090(ONAC138)	Os11g31360(ONAC128)	Os07g09740(ONAC097)	Os10g25630(ONAC113)
	Os11g31380(ONAC129)	Os07g09830(ONAC098)	Os10g25640(ONAC114)
		Os07g09860(ONAC099)	Os10g26240(ONAC115)
		Os07g13920(ONAC100)	Os10g26250(ONAC116)
		Os07g17180(ONAC101)	Os10g26270(ONAC117)
		Os07g27330(ONAC065)	Os10g27360(ONAC118)
		Os07g27340(ONAC102)	Os10g27390(ONAC119)
			Os10g29680(ONAC026)

**Supplementary File 4.** Summary of Experiment Procedures for Microarray Assays Obtained from Rice Array Database.

S. No.	Series Accession No.	Sample Description	No. of Replicates	Reference
(A) Abiotic stresses				
1	GSE6901	IR64-7-day-old Seedling (control)	3	[49]
		IR64-Drought stress	3	
		IR64-Salt stress	3	
		IR64-Cold stress	3	
Title: Expression Data For Stress Treatment in Rice Seedlings.				
Overall design: Seven-day-old rice seedlings grown under controlled conditions. For salt treatment (SS), the rice seedlings were transferred to a beaker containing 200 mM NaCl solution for 3 h. For desiccation (DS), rice seedlings were dried for 3 h between folds of tissue paper at 28 ± 1 °C, in a culture room. For cold treatment (CS), the seedlings were kept at 4 ± 1 °C for 3 h. The seedlings kept in water for 3 h, at 28 ± 1 °C, served as control (Seedling). Three biological replicates of each sample were used for microarray analysis.				
(B) Biotic stresses				
2	GSE7256	mock inoculated leaf 3 DPI	2	[52]
		mock inoculated leaf 4 DPI	2	
		FR13 inoculated leaf 3 DPI	2	
		FR13 inoculated leaf 4 DPI	2	
Title: Identification of Rice Genes Differentially Expressed upon Virulent Infection by <i>Magnaporthe grisea</i> .				
Overall design: Two-week old rice plants (cultivar Nipponbare) were treated with either <i>Magnaporthe grisea</i> (virulent isolate FR13) spore suspension in gelatine or gelatine alone. Two time points were taken (3 and 4 days post inoculation-DPI). Disease symptoms were not visible at 3 DPI whereas they were at 4 DPI. Two biological repeats were done.				
3	GSE18361	Mock inoculated root 2 DPI	2	[53]
		Mock inoculated root 4 DPI	2	
		Mock inoculated root 6 DPI	2	
		Guy11 inoculated root 2 DPI	2	
		Guy11 inoculated root 4 DPI	2	
		Guy11 inoculated root 6 DPI	2	
Title: Temporal Gene Expression Analysis from Rice Root (cv. Nipponbare) Infected with <i>Magnaporthe oryzae</i> Strain Guy11.				
Overall design: The global transcriptome response overtime of Mock- and M. oryzae inoculated rice root tissue in vitro were investigated. Two independant replicates were performed for each treatment and samples were collected at 2, 4 and 6 days post-inoculation.				

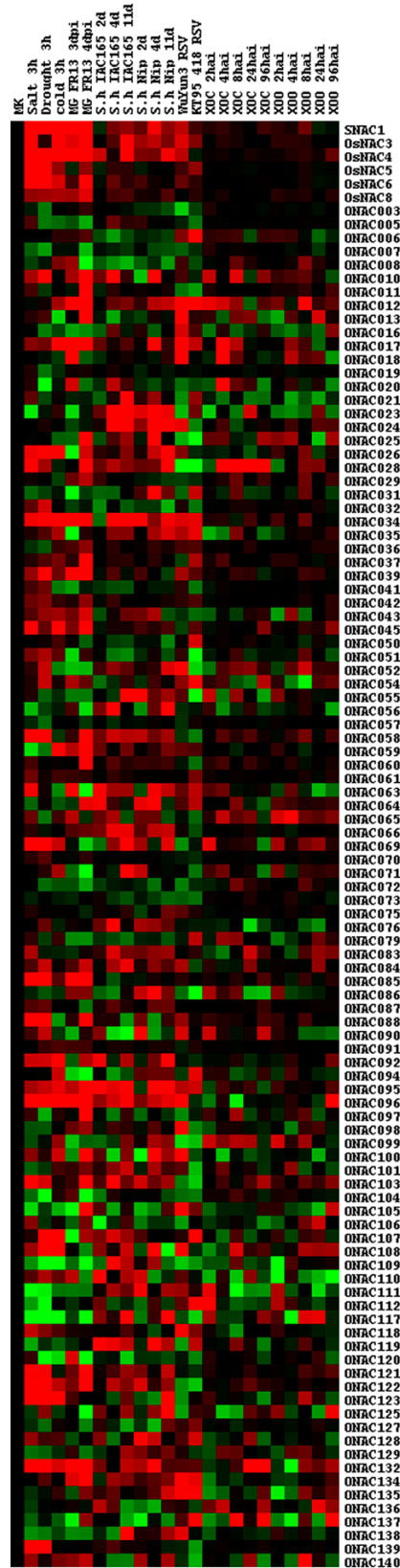
## Supplementary File 4. Cont.

S. No.	Series Accession No.	Sample Description	No. of Replicates	Reference
4	GSE10373	IAC165, mock-infection 2 DPI	2	[57]
		IAC165, infection <i>S. hermonthica</i> 2 DPI	2	
		IAC165, mock-infection 4 DPI	2	
		IAC165, infection <i>S. hermonthica</i> 4 DPI	2	
		IAC165, mock infection 11DPI	2	
		IAC165, infection <i>S. hermonthica</i> 11 DPI	2	
		Nipponbare, Mock infection 2 DPI	2	
		Nipponbare, infection <i>S.hermonthica</i> 2 DPI	2	
		Nipponbare, Mock infection 4 DPI	2	
		Nipponbare,infection <i>S.hermonthica</i> 4 DPI	2	
		Nipponbare, Mock infection 11 DPI	2	
		Nipponbare, infection <i>S.hermonthica</i> 11 DPI	2	
		<b>Title: Rice Cultivars Undergoing a Susceptible and Resistant Interaction with the Parasitic Plant <i>Striga hermonthica</i>.</b>		
<b>Overall design:</b> Using rice cultivars Nipponbare, which exhibits resistance to <i>Striga hermonthica</i> , and IAC165, which is susceptible. Root tissue was harvested from two cultivars of rice that had been infected with <i>Striga hermonthica</i> (or from uninfected control tissue). Three time points were used (2, 4 and 11 days after infection or mock-inoculation) using two replicate chips per treatment/timepoint.				
5	GSE11025	WuYun3-RSV infected	3	[56]
		WuYun3-non-infected	3	
		KT95-418-RSV infected	3	
		KT95-418-non-infected	3	
<b>Title: Comparative transcriptional profiling of two contrasting rice genotypes in response to rice stripe virus infection.</b>				
<b>Overall design:</b> Two japonica rice genotypes WuYun3 and KT95-418 in response to RSV infection. Nine-day-old 20 rice seedlings were exposed to approximately 100 viruliferous small brown planthoppers ( <i>Laodelphax striatellus</i> Fall) for two days to be innoculated by RSV. Then they were transplanted in insect-free greenhouse at 25 ± 3 °C with a daily photope.				
6	GSE16793	XOC–time: 2 hai	4	[55]
		XOC–time: 4 hai	4	
		XOC–time: 8 hai	4	
		XOC–time: 24 hai	4	
		XOC–time: 96 hai	4	
		XOO–time: 2 hai	4	
		XOO–time: 4 hai	4	
		XOO–time: 8 hai	4	
		XOO–time: 24 hai	4	
		XOO–time: 96 hai	4	
		MOCK–time: 2 hai	4	
		MOCK–time: 4 hai	4	
		MOCK–time: 8 hai	4	
		MOCK–time: 24 hai	4	
		MOCK–time: 96 hai	4	

Supplementary File 4. *Cont.*

S. No.	Series Accession No.	Sample Description	No. of Replicates	Reference
<b>Title: Comparative Transcriptional Profiling of Rice Undergoing Infection by <i>X. oryzae</i> pv. <i>oryzae</i> or by <i>X. oryzae</i> pv. <i>oryzicola</i>.</b>				
<p><b>Overall design:</b> Plant Material: <i>Oryza sativa</i> ssp. <i>japonica</i> cv. Nipponbare plants were grown in growth chambers under a 12 h, 28 °C light and a 12 h, 25 °C dark cycle. Bacterial Strains and preparation of inoculum: Xoo strain PXO99A and Xoc strain BLS256 were used. Fourteen days after sowing, and 2 h after the beginning of the light period, seedlings were inverted into inoculum, one flat each for Xoo, Xoc and Mock inoculum consisting of sterile 10 mM MgCl<sub>2</sub> with 0.5% Tween-20, and vacuum infiltrated at 500 mm Hg for two minutes, two consecutive times, in a custom-made chamber. Following inoculation, plants were returned to the growth chamber. The harvest of inoculated tissue at 2, 4, 8, 24 and 96 h was made using a separate randomized complete block design. Tissue was harvested from plants in four pots for each timepoint per inoculum per replication. Harvested tissue was immediately frozen in liquid nitrogen and stored at –80 °C until processing. Total RNA was initially isolated from frozen whole plant tissue using the hot TRIzol reagent protocol for barley. The RNA was purified using Qiagen RNeasy spin columns, and adjusted to a final concentration of 1 ug/uL. Probe synthesis, labeling, and hybridization were performed at the Iowa State University GeneChip Core facility.</p>				

**Supplementary File 5.** Heat map of 107 *ONAC* genes under various stress conditions. Heat map of 107 *ONAC* genes under abiotic (salt, dry and cold) and biotic (*M. oryzae*, RSV, *Xoo*, *Xoc*, and *S. hemonhica*) stresses. Change values in treated samples as compared to its corresponding mock-treated ( $\log_2^{\text{(treated-signal intensity/mock-signal intensity)}} = \log_2^{\text{treated-signal intensity}} - \log_2^{\text{mock-signal intensity}}$ ) were used for treeview (Supplementary File 2).



Supplementary File 6. *ONAC* gene family in rice.

Locus	Name	ORF Length (bp)	Protein Length (aa)	Pseudomolecule Position	pI	Mol. Wt. (Da)
LOC_Os03g60080	SNAC1	951	317	34166099–34167546	7.1466	35177.8
LOC_Os02g36880	OsNAC1	1125	375	22258915–22260681	7.2026	40382.6
LOC_Os04g38720	OsNAC2	1032	344	22994552–22996740	7.6435	36838.7
LOC_Os07g12340	OsNAC3	831	277	6967999–6969311	6.4107	30860.9
LOC_Os01g60020	OsNAC4	957	319	34694391–34692830	8.4406	35347
LOC_Os11g08210	OsNAC5	990	330	4301783–4299149	5.4489	35522.8
LOC_Os01g66120	OsNAC6	912	304	38401533–38398517	9.0566	32906.7
LOC_Os06g33940	OsNAC7	1131	377	19746457–19743865	7.1204	41411.8
LOC_Os01g15640	OsNAC8	1470	490	8797363–8792646	5.0112	54693.9
LOC_Os09g33490	ONAC001	744	248	19748819–19750179	9.8914	26168.2
LOC_Os01g09550	ONAC003	1461	487	4884872–4879148	7.9771	54334.9
LOC_Os08g42400	ONAC005	699	233	26764597–26767134	10.2589	24691.1
LOC_Os03g42630	ONAC006	972	324	23732858–23734467	6.7853	34848.3
LOC_Os06g04090	ONAC007	1188	396	1701522–1699018	7.0686	42026.8
LOC_Os04g43560	ONAC008	837	279	25588380–25590766	6.4017	30802.2
LOC_Os07g37920	ONAC010	1278	426	22756479–22754883	7.3237	45096.2
LOC_Os06g46270	ONAC011	915	305	28036857–28040642	7.8228	34083.6
LOC_Os05g37080	ONAC012	825	275	21607056–21605846	5.2477	30459.4
LOC_Os02g15340	ONAC013	1080	360	8582933–8584294	6.8724	39268.5
LOC_Os07g48550	ONAC015	906	302	29041116–29040012	5.6443	34121.5
LOC_Os01g01430	ONAC016	1023	341	216126–217664	6.4456	37760
LOC_Os11g05614	ONAC017	885	295	2546609–2547577	6.5128	31246.8
LOC_Os10g38834	ONAC018	1026	342	20671799–20678392	4.8801	37539.7
LOC_Os06g01230	ONAC019	1179	393	155556–154091	7.5817	43970.4
LOC_Os01g01470	ONAC020	963	321	240908–241977	6.7133	35726.5
LOC_Os09g12380	ONAC021	1488	396	7077809–7076322	6.6384	52168.7
LOC_Os03g04070	ONAC022	951	317	1863116–1861572	7.7186	34927.2
LOC_Os02g12310	ONAC023	759	253	6404018–6405879	5.2857	28162.6
LOC_Os05g34310	ONAC024	933	311	20247654–20246301	4.6038	33889.1
LOC_Os11g31330	ONAC025	903	301	17822319–17824224	6.8377	32983.4
LOC_Os01g29840	ONAC026	1002	334	16721326–16720227	6.7805	37382.6
LOC_Os02g34970	ONAC028	615	305	20966976–20967797	6.7308	22802.4
LOC_Os08g02300	ONAC029	1203	401	855394–857110	6.9338	42429
LOC_Os01g23710	ONAC030	1383	461	13344258–13342044	4.0151	47459.1
LOC_Os08g01330	ONAC031	975	325	211092–209881	6.3172	36235.2
LOC_Os02g56600	ONAC032	996	332	34667723–34670142	7.4375	36318.6
LOC_Os01g28050	ONAC033	798	266	15692133–15692930	8.1439	28832.2
LOC_Os01g48460	ONAC034	873	291	27774546–27775418	9.3666	31267.71
LOC_Os01g59640	ONAC035	1206	402	34491653–34489762	5.5009	45485.8
LOC_Os05g35170	ONAC036	1350	450	20820419–20818302	4.5984	49739.4
LOC_Os08g06140	ONAC037	2193	731	3392243–3388562	4.3979	80654.6
LOC_Os01g71790	ONAC038	615	205	41583422–41584036	9.3206	22478.4
LOC_Os03g21030	ONAC039	1077	359	11938012–11936702	5.6079	39199.2
LOC_Os08g44820	ONAC040	1971	657	28146431–28142734	4.3379	71937.4

Supplementary File 6. *Cont.*

Locus	Name	ORF Length (bp)	Protein Length (aa)	Pseudomolecule Position	pI	Mol. Wt. (Da)
LOC_Os01g70110	ONAC041	687	229	40571894–40572673	9.0865	24504.6
LOC_Os09g32040	ONAC042	2109	703	19124534–19121884	4.6148	77265.1
LOC_Os02g06950	ONAC043	1512	504	3529541–3522907	7.3686	57370.9
LOC_Os02g18460	ONAC044	1512	504	10749004–10747493	3.8303	56826.5
LOC_Os11g03370	ONAC045	1080	360	1268472–1269848	7.2499	39688.4
LOC_Os02g18470	ONAC046	1677	559	10754223–10752547	4.4871	60250.4
LOC_Os08g02160	ONAC049	1005	335	731319–733595	10.6566	36371.9
LOC_Os02g38130	ONAC050	1182	394	23060334–23057308	5.4359	43588.6
LOC_Os02g41450	ONAC051	759	253	24846732–24819818	9.3953	27232.3
LOC_Os02g42970	ONAC052	1113	371	25855114–25853635	6.9409	41171
LOC_Os02g51120	ONAC053	1161	387	31274715–31277298	8.3742	43414.02
LOC_Os03g02800	ONAC054	1953	651	1088451–1092408	6.4741	72833.2
LOC_Os03g01870	ONAC055	894	298	523094–524181	6.0358	34031.9
LOC_Os03g03540	ONAC056	1101	367	1530620–1528263	5.4804	40399.9
LOC_Os03g12120	ONAC057	2661	887	6364595–6357413	5.0466	99173.6
LOC_Os03g21060	ONAC058	1179	393	11974928–11973139	8.5836	42195.4
LOC_Os01g64310	ONAC059	771	257	37333473–37334807	5.1885	28275.4
LOC_Os12g41680	ONAC060	1002	334	25767557–25772636	8.9766	36341.1
LOC_Os10g21560	ONAC061	1182	394	10968129–10964968	4.6984	43648.7
LOC_Os05g48850	ONAC062	945	315	27940851–27942092	9.4414	34100.3
LOC_Os08g33910	ONAC063	1158	386	21215638–21217230	8.2696	43336.6
LOC_Os03g39050	ONAC064	1329	443	21706809–21708250	3.8482	47292.7
LOC_Os07g27330	ONAC065	2331	777	15901059–15898729	3.8532	82292.4
LOC_Os03g56580	ONAC066	1089	363	32227328–32229113	6.8387	40558.4
LOC_Os03g39100	ONAC069	1503	501	21724668–21726170	3.913	53942
LOC_Os02g57650	ONAC070	1899	633	35297610–35301021	4.3167	69559.4
LOC_Os03g59730	ONAC071	1491	497	34005662–34003039	8.5555	53563.9
LOC_Os09g32260	ONAC072	1059	353	19255969–19253152	9.6575	39127.7
LOC_Os01g48130	ONAC073	1008	336	27560681–27556008	9.0816	36302.7
LOC_Os01g66490	ONAC075	1359	453	38611435–38614057	9.0804	48535
LOC_Os03g61249	ONAC076	951	317	34783894–34784844	4.429	33994.6
LOC_Os03g61319	ONAC077	951	317	34815087–34814137	4.429	33994.6
LOC_Os03g62470	ONAC078	396	132	35378425–35378030	9.5997	14594.4
LOC_Os04g35660	ONAC079	603	201	21733623–21734709	5.7758	22517.2
LOC_Os04g39960	ONAC080	849	283	23789421–23790269	4.026	31081.4
LOC_Os04g40140	ONAC081	627	209	23889226–23885498	4.1484	23131.6
LOC_Os04g45340	ONAC082	579	193	26806613–26804262	5.4482	21070.6
LOC_Os04g52810	ONAC083	852	284	31443397–31439595	9.8768	30939.6
LOC_Os04g59470	ONAC084	858	286	35359459–35358602	6.3361	31658.5
LOC_Os05g10620	ONAC085	1074	358	5788137–5784141	9.655	39112.1
LOC_Os05g25960	ONAC086	1704	568	15089885–15091588	3.7817	60360.6
LOC_Os05g34600	ONAC087	1254	418	20518998–20516305	6.7218	44660.6
LOC_Os05g34830	ONAC088	969	323	20678001–20680343	8.5611	34595.2
LOC_Os05g43960	ONAC089	1485	495	25581765–25580132	6.5105	54052.8

Supplementary File 6. *Cont.*

Locus	Name	ORF Length (bp)	Protein Length (aa)	Pseudomolecule Position	pI	Mol. Wt. (Da)
LOC_Os06g01480	ONAC090	1095	365	294071–289311	6.8291	41570.2
LOC_Os06g15690	ONAC091	1257	419	8879085–8883818	4.9322	46875.17
LOC_Os06g23650	ONAC092	1122	374	13804017–13805815	8.8051	39174.2
LOC_Os06g36480	ONAC094	1704	568	21421990–21414174	7.6262	61990.6
LOC_Os06g51070	ONAC095	879	293	30894523–30893477	8.208	32961.4
LOC_Os07g04560	ONAC096	1032	344	2023158–2025061	4.8438	37925.3
LOC_Os07g09740	ONAC097	1995	665	5189805–5191799	3.8664	69835.8
LOC_Os07g09830	ONAC098	2121	707	5230976–5228856	3.8305	74581.8
LOC_Os07g09860	ONAC099	2037	679	5246674–5244638	3.7749	71427.5
LOC_Os07g13920	ONAC100	1125	375	7957180–7956056	4.1254	40338.6
LOC_Os07g17180	ONAC101	1818	606	10109609–10111749	3.7925	64333.4
LOC_Os07g27340	ONAC102	1914	638	15906886–15908799	3.9196	68294.2
LOC_Os07g48450	ONAC103	1041	347	28985797–28988032	7.3901	37533.5
LOC_Os08g10080	ONAC104	882	294	5850647–5846863	8.5858	32201.6
LOC_Os08g23880	ONAC105	1344	448	14454209–14455552	4.574	49725.8
LOC_Os08g33670	ONAC106	1005	335	21028959–21025544	5.635	36651.4
LOC_Os08g40030	ONAC107	1023	341	25353753–25351524	7.2318	36957.8
LOC_Os09g24560	ONAC108	903	301	14619069–14617482	6.1276	32301.8
LOC_Os09g38000	ONAC109	1101	367	21902714–21905059	4.9939	40137.1
LOC_Os09g38010	ONAC110	657	219	21907637–21910215	7.3004	25268.4
LOC_Os10g09820	ONAC111	1491	497	5318635–5314994	4.3715	55433.9
LOC_Os10g25620	ONAC112	1599	533	13272947–13270789	4.7697	57452.2
LOC_Os10g25630	ONAC113	780	260	13278980–13277838	3.7944	27484.9
LOC_Os10g25640	ONAC114	588	196	13280721–13279353	10.7103	21919.3
LOC_Os10g26240	ONAC115	519	173	13592052–13592674	10.6411	19373.3
LOC_Os10g26250	ONAC116	549	183	13593467–13594281	4.1862	19923.9
LOC_Os10g26270	ONAC117	660	220	13597984–13599963	3.4994	22589.3
LOC_Os10g27360	ONAC118	1266	422	14436872–14438849	5.8521	44968.9
LOC_Os10g27390	ONAC119	1632	544	14446549–14448670	7.5557	56440.7
LOC_Os10g33760	ONAC120	975	325	17849088–17851397	5.6091	35637
LOC_Os10g42130	ONAC121	990	330	22669292–22671877	6.0989	35994.7
LOC_Os11g03300	ONAC122	1176	392	1233928–1236052	6.5683	43336.3
LOC_Os11g03310	ONAC123	867	286	1240058–1245394	8.2112	32169.6
LOC_Os11g04470	ONAC124	1077	359	1866995–1865567	4.2699	38932.3
LOC_Os11g04960	ONAC125	1356	452	2124798–2126649	4.3665	50632.3
LOC_Os11g07700	ONAC126	804	268	3930937–3930134	9.2053	28532.7
LOC_Os11g31340	ONAC127	834	278	18294409–18296934	6.5818	30334.2
LOC_Os11g31360	ONAC128	873	291	18301326–18303603	9.3513	32255.2
LOC_Os11g31380	ONAC129	723	241	18311804–18313703	6.5016	26253.9
LOC_Os11g45950	ONAC130	411	137	27804967–27804177	9.4699	15533.5
LOC_Os12g03040	ONAC131	1182	394	1139026–1141362	6.6421	43589.7
LOC_Os12g03050	ONAC132	1191	397	1146995–1148742	9.1777	43848.1
LOC_Os12g04230	ONAC133	1098	366	1791193–1790084	4.3027	39587.4
LOC_Os12g05990	ONAC134	9024	308	2762322–2763606	7.1786	32505.3



Supplementary File 6. *Cont.*

Locus	Name	ORF Length (bp)	Protein Length (aa)	Pseudomolecule Position	pI	Mol. Wt. (Da)
LOC_Os12g07790	ONAC135	1716	572	3938092–3936377	4.6271	60152.9
LOC_Os12g22630	ONAC136	1413	471	12786650–12788062	5.0387	50829.5
LOC_Os12g22940	ONAC137	1254	418	12971077–12972330	5.8881	44398.2
LOC_Os12g23090	ONAC138	1215	405	13054197–13055584	6.5149	43811.6
LOC_Os12g29330	ONAC139	783	261	17391342–17392732	9.9389	28012.5
LOC_Os12g43530	ONAC140	1128	376	27009616–27007586	7.6376	41331
LOC_Os01g47670	ONAC141	1095	365	27270375–27269167	6.7948	40538.3
LOC_Os03g61650	ONAC142	1095	365	34945841–34946935	4.4502	38297
LOC_Os04g42940	ONAC143	1188	396	25401527–25400256	8.1485	43979.4
LOC_Os05g26026	ONAC144	963	321	15159435–15158473	7.1051	34617.8
LOC_Os05g26049	ONAC145	963	321	15127611–15128573	7.1051	34617.8
LOC_Os05g27749	ONAC146	1218	406	16456152–16454935	8.2226	43447.4
LOC_Os05g28129	ONAC147	1218	406	16397417–16398634		
LOC_Os07g31410	ONAC148	636	212	18606147–18606782	10.0233	22050.9
LOC_Os10g27380	ONAC149	1128	376	14443785–14445504	4.8979	40454.5
LOC_Os11g04360	ONAC150	1248	438	1811713–1813623	6.8707	46125.2
LOC_Os11g31370	ONAC151	381	127	18307265–18308037	8.1475	14458.6

The locus ID, gene name, open reading frame, protein length, pseudo molecule position, pI and Mol weight (Da) of the *ONAC* genes are given.

**Supplementary File 7.** Sequences of *ONAC* genes. The genomic sequence, cDNA sequence and protein sequence of the *ONAC* genes are obtained from Rice genome annotation project (<http://rice.plantbiology.msu.edu>).

#### **LOC\_Os03g60080 (SNAC1) sequence information**

**Genomic sequence length:** 1448 nucleotides

**CDS length:** 951 nucleotides

**Protein length:** 316 amino acids

**Putative Function:** NAC domain-containing protein 67, putative, expressed

#### Genomic Sequence

##### > **SNAC1**

```
CATTCGAGAAATCCCTCACAACCCACAACATTTTCAAACAACGCAAAGCAGTAGCAGCAG
CGAGAAGCAAGCAAGAAGCGATGGGGATGGGGATGAGGAGGGAGAGGGACGCGGAGGCGG
AGCTGAACCTGCCGCCGGGGTTCAGGTTCCACCCACGGACGACGAGCTGGTGGAGCACT
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ACTTCTTCACCCCGCGGGATCGCAAGTATCCTAATGGGTCACGCCCCAACCGCGCCGCCG
GCAACGGGTACTGGAAGGCCACCGGCGCCGACAAGCCCGTCGCGCCGCGGGGCGCACGC
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TTACGTCGCAGTCGCACTCGCACACCCACTCGTGGGGCGAGACGCGCACGCCGAGTCGG
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ACGACGATATCCAGGGCATGTACAGCGGCTCGACATGCTGCCGCCGGGCGACGACTTCT
ACTCGTCGCTCTTCGCGTCGCCGCGGGTGAAGGGGACGACGCCACGCGCCGGCGCCGGCA
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GGCGTGTCTTGGCGTTGGCGCCGGGGCATTTCTTTAGTTTTTCATCTTTTCATCATCTCAG
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ATTTTGTGTGTTGATGTTGTTTATCTTCATATGCTTTGATCTTGAAATCGTCTACCTTACT
ACTGCCGA
```

#### CDS

##### > **SNAC1**

```
ATGGGGATGGGGATGAGGAGGGAGAGGGACGCGGAGGCGGAGCTGAACCTGCCGCCGGGG
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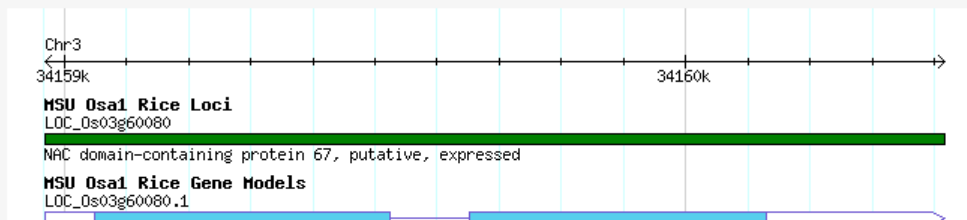
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ACCGGCGCCGACAAGCCCGTTCGCGCCGCGGGGGCGCACGCTTGGGATCAAGAAGGCGCTC  
GTGTTCTACGCCGGCAAGGCGCCGCGAGGGGTCAAGACTGATTGGATCATGCATGAGTAC  
CGGCTCGCCGATGCTGGCCGCGCCGCCGCGGGCGCCAAGAAGGGATCTCTCAGGTTGGAT  
GATTGGGTGCTGTGTCTGGCTGTACAACAAGAAGAACGAGTGGGAGAAGATGCAGCAGGGG  
AAGGAGGTGAAGGAGGAGGCGTCCGACATGGTTACGTCGCAGTCGCACTCGCACACCCAC  
TCGTGGGGCGAGACGCGCACGCCGGAGTCGGAGATCGTGGACAACGACCCCTTCCCGGAG  
CTGGACTCGTTCCCGGCGTTCCAGCCTGCGCCGCCGCCGGCGACGGCGATGATGGTGCCC  
AAGAAAGAATCGATGGACGACGCCACCGGGCCGCCGCCGCCGCCACCATCCCCAGG  
AACAAACAGCAGCCTGTTCTGTGGACCTGAGCTACGACGATATCCAGGGCATGTACAGCGGC  
CTCGACATGCTGCCGCCGGGCGACGACTTCTACTCGTCGCTCTTCGCGTCGCCGCGGGTG  
AAGGGGACGACGCCACGCGCCGGCGCCGGCATGGGCATGGTCCCGTTCTGA

## Protein

## > SNAC1

MGMGMRRERDAEAE LNLPPGFRFHPTDDELVEHYLCRKAAGQRLPVPIIAEVDLYKFDPW  
DLPERALFGAREWYFFTPRDRKYPNGSRPNRAAGNGYWKATGADKPVAPRGRTLGIKKAL  
VFYAGKAPRGVKTDWIMHEYRLADAGRAAAGAKKGSRLDDWVLCRLYNKKNEWEKMQQG  
KEVKEEASDMVTSQSHSHTHSWGETRTPESEIVDNDPFPPELDSFPAFQPAPPPATAMMVP  
KKESMDDATAAAAAAATIPRNNSSLFVDLSYDDIQGMYSGLDMLPPGDDFYSSSLFASPRV  
KGTTPRAGAGMGMVPPF\*

## Gene Structure



### LOC\_Os02g36880 (OsNAC1) sequence information

**Genomic sequence length:** 1849 nucleotides

**CDS length:** 1125 nucleotides

**Protein length:** 374 amino acids

**Putative Function:** No apical meristem protein, putative, expressed

## Genomic Sequence

## > OsNAC1

[illegible]

TAGATGCGATTAGCCAGGCAGCAGCAGCAGGTGGTGGTGGCTGCGACGATGGAGCATGAC  
 GTGCACCAACCACCGGCAGATGATGCAGCAGCAGCAGCAGCAGGAGATGGACCTGCCGCCG  
 GGCTTCCGGTTCCACCCACCGACGAGGAGCTCATCACGCACTACCTCCTCCGCAAGGCC  
 GCCGACCCCGCCGGGTTCCGCCGCGCGCCGTCGGAGAGGCCGACCTCAACAAGTGCAG  
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 AAACAGTCGCGCTACGTATGATCGCTAGTGAGTAGTACTAGGTTTGATTTTTCATGTGA  
 TTTATGGGGGTGATCAGAGATGTGTGTGTACGTGTGCGCATGCAGCGAGGGCGACGATGG  
 GGGAGAAGGAGTGGTACTTCTTCTGCGTGAAGGACCGGAAGTACCCGACGGGGCTGAGGA  
 CGAACAGGGCGACGGAGTCCGGGTACTGGAAGGCGACGGGGAAGGACCGGGAGATCTTCA  
 GGGGGAAGGCCCTCGTCGGCATGAAGAAGACGCTCGTCTTCTACACCGGGAGGGCCCCC  
 GCGGCGCAAGACCGGATGGGTATGCACGAGTACCGCATCCACGGCAAGCACGCCGCCG  
 CCAATTCCAAGGTACGTACGTGAGCGTTGATTTGGTTGCACGCGCGCGGTTCTGTGTG  
 CCATGTCGCGATCTGATGGGTGGTCTGGTTGGTTGGGTGCAGCAGGATCAGGAGTGGGTG  
 CTGTGCAGGGTGTTCAGAAGAGCCTCGAGCTGGCGCCGGCGGGCGGGCGGGCGGTCTGGC  
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 CACGTGACCTGCTTCTCCAACGCGCTGGAGGGCCAGTTCCTGGACACACCGTACCTCCTC  
 CCCGCCCGGATCCCGCGGATCACCTCGCCATGTCTCCGCCTCGCCGTTCTTGAGGCC  
 CTGCAGATGCAGTACGTCCAGGACGCCGCCGCCGGAGGAGCGGGCATGGTGCACGAG  
 CTGCTCATGGGCGGCGGCTGGTATTGCAACAAGGGCGAGAGGGAGAGGCTGAGCGGCGCC  
 TCGCAGGACACCGGCTCACGTGTCGGAGGTGAACCCCGGCGAGATCTCGTCGTCGTCG  
 CGGCAGCAACGCATGGATCATCACGACGCGTCCCTCTGGGCCTATTGAAATATTCATTCA  
 TCATCATTGAAAATTGCATTAGCCATTATTATTAGTACTGTTGGCCACCGATTATTGATT  
 GTGTTGTAATATTGGTATTGTTGATTATAATTAATTAGTACGCCAAAGAGACAAATCACA  
 AGAGAACGAAGTGTGTATGCTGTAGATTAATTCCGTATGTTTGTGAAAATATTCTTGAAC  
 CCAAGTGAATGTTACTAGTGCTTTTCAGATGCTCATGTTTGGAGCGCCG

CDS

#### > **OsNAC1**

ATGCGATTAGCCAGGCAGCAGCAGCAGGTGGTGGTGGCTGCGACGATGGAGCATGACGTG  
 CACCACCACCGGCAGATGATGCAGCAGCAGCAGCAGCAGGAGATGGACCTGCCGCCGGGC  
 TTCCGGTTCCACCCACCGACGAGGAGCTCATCACGCACTACCTCCTCCGCAAGGCCGCC  
 GACCCCGCCGGGTTCCGCCGCGCGCCGTCGGAGAGGCCGACCTCAACAAGTGCAGCCA  
 TGGGACCTGCCATCGAGGGCGACGATGGGGGAGAAGGAGTGGTACTTCTTCTGCGTGAAG  
 GACCGGAAGTACCCGACGGGGCTGAGGACGAACAGGGCGACGGAGTCCGGGTACTGGAAG  
 GCGACGGGGAAGGACCGGGAGATCTTCAGGGGGAAGGCCCTCGTCGGCATGAAGAAGACG  
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 TACCGCATCCACGGCAAGCACGCCGCCGCAATTCCAAGCAGGATCAGGAGTGGGTGCTG  
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 GTCGGCCTCGCCCCGTGCGCGCTCCCGCCGCTGATGGACGTGTCTGGCGGCGGGCGGTGGC  
 GCCGGCACAACCTCGCTGTCAGCGACCGCGGGCGGGCGGGCGGGCGGGCGGCCAGCGCAC  
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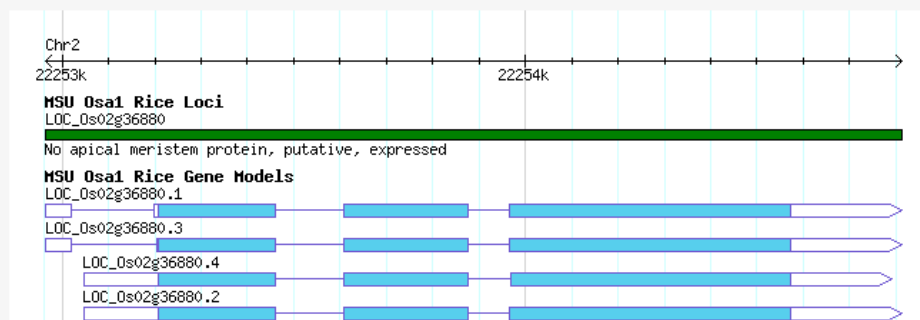
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 CAGGACACCGGCCTCACGTCGTCGGAGGTGAACCCCGGCGAGATCTCGTCGTCGTCGCGG  
 CAGCAACGCATGGATCATCACGACGCGTCCCTCTGGGCCTATTGA

Protein

#### > **OsNAC1**

MRLARQQQVVVAATMEHDVHHHRQMMQQQQQEMDLPPGFRFHPTDEELITHYLLRKA  
 DPAGFAARAVGEADLNKCEPWLPSRATMGEKEWYFFCVKDRKYPTGLRTNRATESGYWK  
 ATGKDREIFRGKALVGMKKTLLVFYTGRAPRGGKTGWMHEYRIHGKHAAANSKQDQEWL  
 CRVFKKSLELAPAAAAAVGRRGAGAGTDVGPSSMPMADDVVLAPCALPPLMDVSGGGG  
 AGTTSLSATAGAAAAPPAHVTCFSNALEGQFLDTPYLLPAADPADHLAMSSASPFLEAL  
 QMQYVQDAAAAGGAGMVHELLMGGGWYCNKGERERLSGASQDTGLTSSEVNPGEISSSR  
 QQRMDDHHDASLWAY\*

#### Gene Structure



#### **LOC\_Os04g38720 (OsNAC2) sequence information**

**Genomic sequence length:** 2189 nucleotides

**CDS length:** 1032 nucleotides

**Protein length:** 343 amino acids

**Putative Function:** no apical meristem protein, putative, expressed

Genomic Sequence

#### > **OsNAC2**

TATTTCTCTATACAACGATTTCTCTTGTACCCTGAATCTACTTCTGCTGCAAAGGT  
 AATTAGCATATCCTAACTATTTATCACCTCATCCCTCAAGTGTGTTCTTCTACTTTCTTA  
 GATGTACTTTTTAACTTTTCTGTGCATAAACATCTCATGTGCTGATTCTTTTTGTGTGT  
 TCTATGTGCTTGCATACCATGTCCGTTTGGTTCGATTCTGATTTTTTAAGCATCCGTGTGG  
 TTTGTTTTTGTCTAGCTTAGCTAGCTAGCTAGCAAAGAGGTGTCATGGATACATACCAG  
 CTTTAATTTGATTTGGTTTGTCTACCTTTAAAAGTGTGTGAATCATCTCCGGTCCTAGT  
 TTATGCATATCTGTGTGCATATGTACAAATGTTTCAGGACAGGAGTTGGCATAACAGCTA  
 ACAAATCTTACATATATAGCAGCAATAAGCAAGGAGCAGTTAGCCAGGTAAAGCTCTAGC  
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GCCGACGCCCGCTTCGCCGCCCTCGCCGTCGCCGAGGCCGACCTCAACAAGTGCAGAGCCC  
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 TCAGCTATAGCTAATCTAGCATTTAAAGC

CDS

### > **OsNAC2**

ATGGAGCAGCATCAGGGCCAGGCAGGCATGGACTTGCCCCCTGGCTTCCGCTTCCACCCG  
 ACCGACGAGGAGCTGATCACGCACTACCTCGCCAAGAAGTTCGCCGACGCCCGCTTCGCC  
 GCCCTCGCCGTCGCCGAGGCCGACCTCAACAAGTGCAGAGCCCTGGGACCTGCCATCTCTG  
 GCGAAGATGGGGGAGAAGGAGTGGTACTTCTTCTGCCTCAAGGACAGGAAGTACCCGACG  
 GGGCTGAGGACGAACAGGGCGACGGAGTCCGGGTACTGGAAGGCCACGGGGAAGGACAAG  
 GACATCTTCAGACGGAAGGCCCTCGTCGGCATGAAGAAGACGCTCGTTTTCTACACGGGG  
 CGCGCTCCCAAGGGGGAGAAGTCTGGCTGGGTTCATGCACGAGTACCGCCTCCACGGCAAG  
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 GTGTTGTGCAGGGTGTTCAGAAGAGCCTCGTGGAGGTGGGCGCGGCGGGAGGGAAGAAG  
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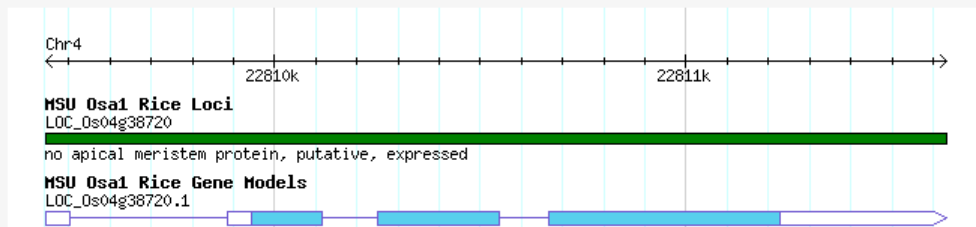
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 TGGGGCTACTAA

#### Protein

##### > **OsNAC2**

MEQHQQGAGMDLPPGFRFHPTDEELITHYLAKKVADARFAALAVAEADLNKCEPWLPSL  
 AKMGEKEWYFFCLKDRKYPTGLRTNRATESGYWKATGKDKDIFRRKALVGMKKTLYFYTG  
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 AAVVTMEMARGGSTSSSVADEIAMSSVVLPLMDMSGAGAGAVDPATTAHVTCFSNALEG  
 QFFNPTAVHGHGGDSSPFMASFTQYGQLHHGVSLVQLLESCNGYGGLVDMAASGSQLQP  
 AACGGERERLSASQDTGLTSDVNPEISSSSGQKFDHEAALWGY\*

#### Gene Structure



#### LOC\_Os07g12340 (OsNAC3) sequence information

**Genomic sequence length:** 1313 nucleotides

**CDS length:** 831 nucleotides

**Protein length:** 276 amino acids

**Putative Function:** NAC domain-containing protein 67, putative, expressed

#### Genomic Sequence

##### > **OsNAC3**

ACATCCAACAACCCACCAACCCTCATTCCTCAAGTCCCAAGATCGAACACCTCGTGTCCA  
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 TCCGCTTCCACCCACCGACGAGGAGCTGGTGGCGCACTACCTCTGCCCAGCGCGCCGCGG  
 GCCGCGCCGCCCGGTCCCCATCATCGCCGAGCTCGACCTCTACCGCCACGACCCATGGG  
 ACCTCCCCACCGCGCCCTCTTCGGCCGCCGCGAGTGGTACTTCTTACCCCGCGCGACC  
 GCAAGTACCCCAACGGCTCCCGCCCCAACCGCGCCGCCGCTCGGGCTACTGGAAGGCCA  
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 TGTCTTACCACGGCAAGCCCCCCCCGCGCGTCAAGACGGAGTGGATCATGCACGAGTACC  
 GCCTCGCCAAGAAGGGCGGCGCCGCCCGCGCGGGCGCGGCGCTCAGGCTGGATG  
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 AGGAGGAGGAGGAGGCCATGGCGGCGGCGCAGTCGTGGGGGGAGACGCGGACGCCGGAGT  
 CGGAGGTCGTCGACAGCGACGCGTTCCCGGAGATGGACTACTCGCTGCCGGCGGCGTCGT  
 TCGACGACGCCCTGCTGCCCAAGGAGGAGGCGCGGACGACGACTGGCTCATGGGGATGA  
 GCCTCGACGACCTCCAGGGCCTCGGCTCGTGTCTGCAGGCCGACGACCTCTCCATGCTCG

CGCCGCCGCCGGCGGCGAAGACGGAGCCGCTCGGCGCGCCATTCTTCTGAGCTCTCTCTC  
TCTCTCTCTCTCTCTCTCTCTGTGACTGCACCACTGTATATAAATTCAGAGTTTTCAG  
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ACAGATTCATCAGAGCTGTGTCAAGTGACAATTCTTTTTTTTTTTTATTCCTGGATCAAG  
TTCACCATGTTGTGCTCAAGATTTGTGGATAAATGCACATCCATCCTTGAATTGGCATTG  
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CDS

#### > **OsNAC3**

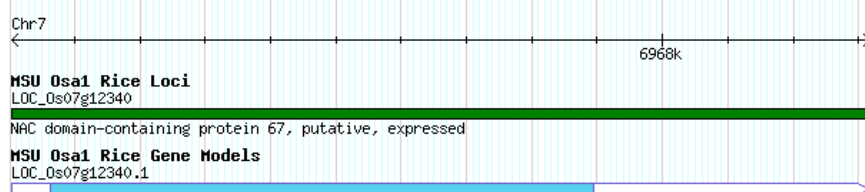
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CGCAAGTACCCCAACGGCTCCCGCCCCAACCGCGCCCGCCCTCGGGCTACTGGAAGGCC  
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GTGTTCTACACGGCAAGCCCCCGCGGCGTCAAGACGGAGTGGATCATGCACGAGTAC  
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GACTGGGTGCTGTGCCGGCTGTACAACAAGAAGACGAGTGGGAGAAGATGCAGAGCAGG  
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TCGGAGGTCGTCGACAGCGACGCGTTCCCGGAGATGGACTACTCGCTGCCGGCGGCGTCG  
TTCGACGACGCCCTGTGCCAAGGAGGAGGCGCGGACGACACTGGCTCATGGGGATG  
AGCCTCGACGACCTCCAGGGCTCGGCTCGCTGCTGCAGGCCGACGACCTCTCCATGCTC  
GCGCCGCCGCCGGCGGCGAAGACGGAGCCGCTCGGCGCGCCATTCTTCTGA

Protein

#### > **OsNAC3**

MAAAKRRVRDAEADLNLPPGFRFHPTDEELVAHYLCPRAGRAAPVPIIAELDLYRHDPW  
DLPHRALFGRREWYFFTPRDRKYPNGSRPNRAAASGYWKATGADKPVLHNGRTAGIKKAL  
VFYHGKPPRGVKTEWIMHEYRLAKKGAAAAAGAGALRLDDWVLCRLYNKKNEWKMQSR  
KEEEEAMAAQSWGETRTPSEVVDSDAFPEMDYSLPAASFDDALLPKEEARDDDLWLMGM  
SLDDLQGLGSLQADDLSMLAPPPAAKTEPLGAPFF\*

#### Gene Structure



#### LOC\_Os01g60020 (OsNAC4) sequence information



**Genomic sequence length:** 1562 nucleotides

**CDS length:** 957 nucleotides

**Protein length:** 318 amino acids

**Putative Function:** NAC domain transcription factor, putative, expressed

#### Genomic Sequence

##### > **OsNAC4**

ACGAACCGACTTGGTCGCCACGGAAGCGCAGCATCAACAAAGGCAGCAGCAGCAGCAGCA  
GCAGCAGCAGCGTTGGTGGTGGTGGTGTGTATCACCACATTTTCACGAGAGGAGAAGG  
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CTGCCCGCGGGCTTCCGTTTCCACCCGACCGACGAGGAGCTCGTGGTGCCTACCTCTGC  
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TCTGTTTCATCCATTGGTTTGGTTTTGTGTCTGATGTTTGTGTGGTTTTGTGTGTGCGCAG  
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TCTACTCCGGGAAGGCGCCGAGGGGGGTCAAGACGGACTGGATCATGCACGAGTACCGCC  
TCGCCGACGCCGACCGCGCCCCGGGCGGCAAGAAGGGCTCACAGAAGGTAGGCGTCGTGA  
CGACCGTACTCCGACGCATTTCGATTGGTGATGATGTTGAACTGATTGATGCTGATGTGCG  
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TAGGAGTGATGGCTAGAAAAATTATTAGATTTACTAGAACGAAAATGATTAGAAATCTGGC  
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TATGCATTTGGTAATCTGCAAAACATCTCCTTTTGTCTCATATCCTAAGCGAAACATAT  
ATGATTTTATCCTTCATTAGTCTGAATTCTGAAATATATGCTTGATGGTTTTAAATGTTT  
TA

#### CDS

##### > **OsNAC4**

ATGGAATGGCGGCGGCGGTTGGGGGAGCGGGAGGAGGGACGCGGAGGCGGAGCTGAAC  
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CTCGACCCCTGGGATCTCCCTGAGAAGGCGTTGTTTCGGGAGGAAAGAGTGGTACTTCTTC  
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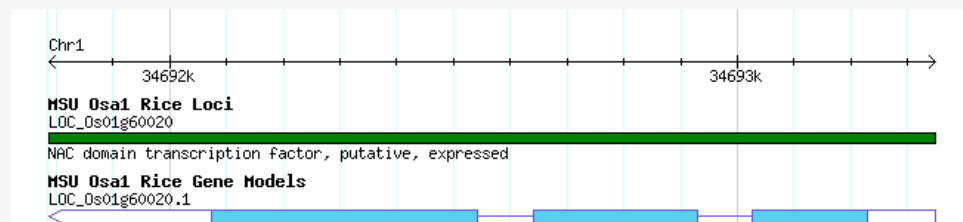
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Protein

#### > **OsNAC4**

MEMAAAVGSGRRDAEAEELNLPFGFRFHTDEELVVHYLCRKVARQPLVPVPIAEVDLYK  
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 GIKKALVFYSGKAPRGVKTDWIMHEYRLADADRAPGGKKSQKLDEWVLCRLYNKKNNWE  
 KVKLEQQDVASVAAAAPRNHHHQNGEVMDDAAADTMSDSFQTHSDIDNASAGLRHGGCG  
 GGGFGDVAPPRNGFVTVKEDNDWFTGLNFDELQPPYMMNLQHMQMVMNPAAPGHDGGYL  
 QSISSPQMKMWQTILPPF\*

#### Gene Structure



#### LOC\_Os11g08210 (OsNAC5) sequence information

**Genomic sequence length:** 2635 nucleotides

**CDS length:** 990 nucleotides

**Protein length:** 329 amino acids

**Putative Function:** no apical meristem protein, putative, expressed

Genomic Sequence

#### > **OsNAC5**

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CDS

#### > **OsNAC5**

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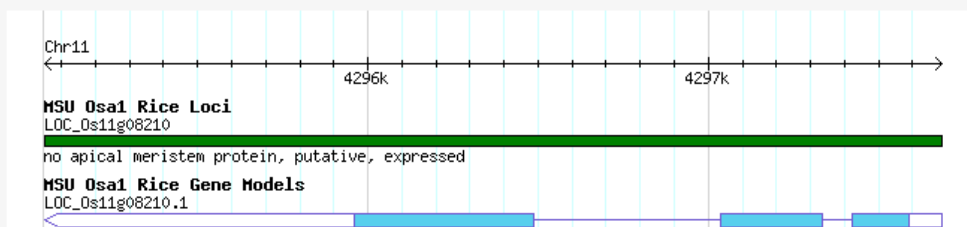
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 ATGTTACGTACCTGCAGAAGCCGTTCTAA

Protein

#### > **OsNAC5**

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 ELSPAAFSRAAGDGAAGFDMFTYLQKPF\*

#### Gene Structure



#### **LOC\_Os01g66120 (OsNAC6) sequence information**

**Genomic sequence length:** 3017 nucleotides

**CDS length:** 912 nucleotides

**Protein length:** 303 amino acids

**Putative Function:** No apical meristem protein, putative, expressed

Genomic Sequence

#### > **OsNAC6**

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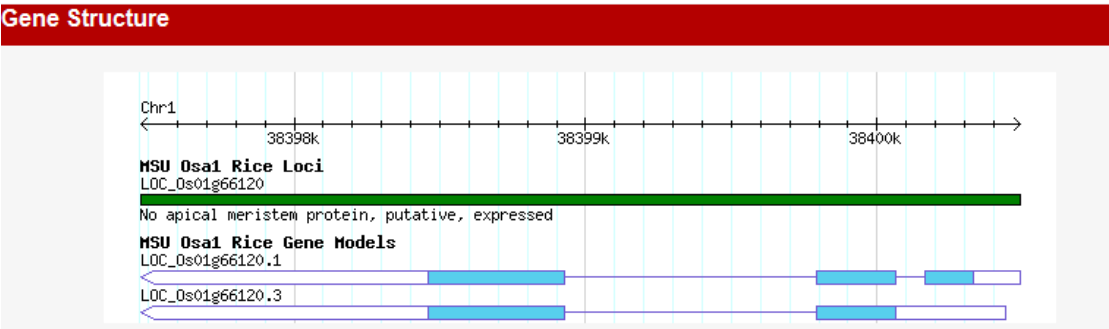
> **OsNAC6**

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Protein

> **OsNAC6**

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**LOC\_Os06g33940 (OsNAC7) sequence information**

**Genomic sequence length:** 2593 nucleotides

**CDS length:** 1131 nucleotides

**Protein length:** 376 amino acids

**Putative Function:** NAC domain containing protein, putative, expressed

Genomic Sequence

> **OsNAC7**

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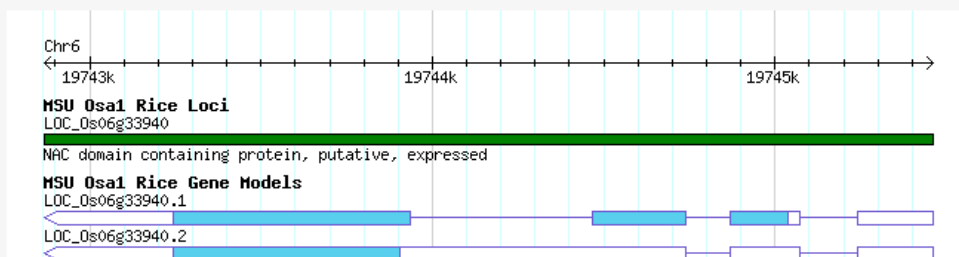
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## Protein

## > OsNAC7

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## Gene Structure



### LOC\_Os01g15640 (OsNAC8) sequence information



**Genomic sequence length:** 4718 nucleotides

**CDS length:** 1470 nucleotides

**Protein length:** 489 amino acids

**Putative Function:** no apical meristem protein, putative, expressed

#### Genomic Sequence

##### > OsNAC8

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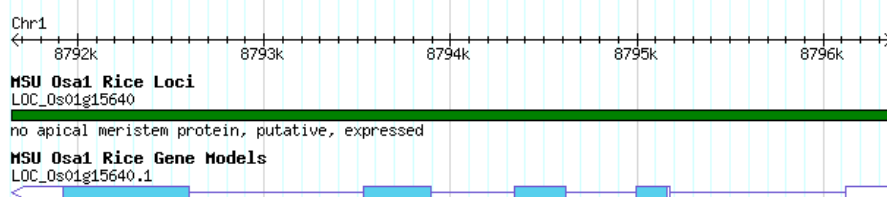
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### > OsNAC8

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## Gene Structure



### LOC\_Os09g33490(ONAC001) sequence information

**Genomic sequence length:** 1860 nucleotides

**CDS length:** 744 nucleotides

**Protein length:** 247 amino acids

## Genomic Sequence

>ONAC001

[illegible]

CDS

>ONAC001

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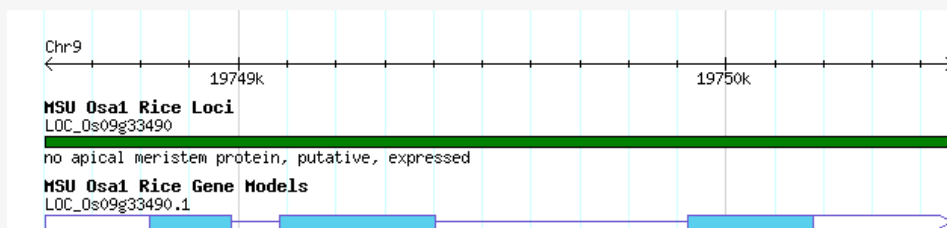
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>ONAC001

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#### Gene Structure



#### LOC\_Os01g09550 (ONAC003) sequence information

**Genomic sequence length:** 6743 nucleotides

**CDS length:** 1461 nucleotides

**Protein length:** 486 amino acids

Genomic Sequence

>ONAC003

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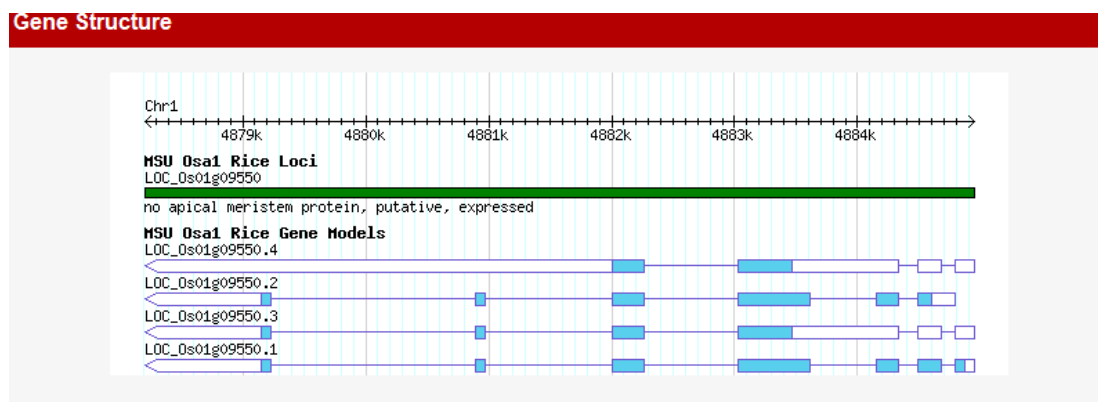
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 AACCAGGATCATCATGGATAG

# Protein

>ONAC003



MYTSP TLLALS FALLLL ILLLYSSSLYSQLATRRRLTHACARSLPDAYESGMNRGHIS  
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GSRSHPLIDEFIPTIEGEDGICYTHPEKLPGVTRDGLSKHFFHRPSKAYTTGTRKRRKIQ  
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SSTRDHEVSATSYSTAGYAVAAVEMQHLKHAADHFSFAPFRKSFEVVGISGDQVHSNQL  
GRSEQQHAGQEQQPHRPLLATTTAVPATAFLISRPTNPVSNIVPPAMQHASVVLDDHQFH  
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NQDHHG\*



### LOC\_Os08g42400 (ONAC005) sequence information

**Genomic sequence length:** 3530 nucleotides

**CDS length:** 699 nucleotides

**Protein length:** 232 amino acids

## Genomic Sequence

>ONAC005

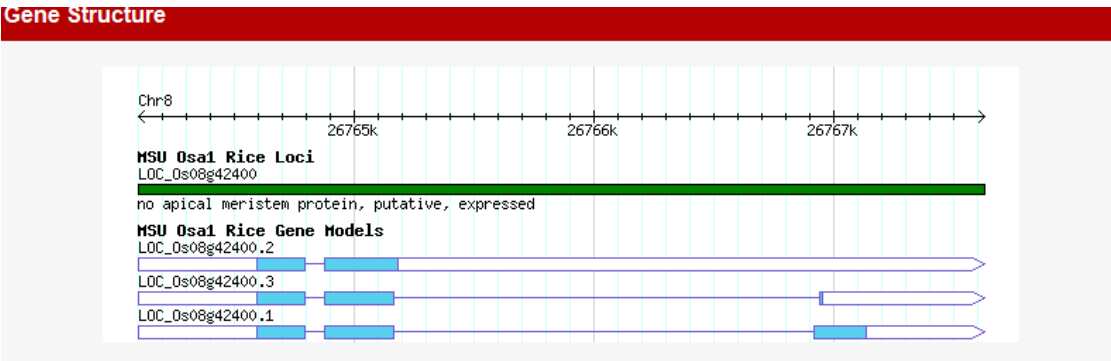
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>ONAC005  
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Protein

>ONAC005  
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 VKKGMVVFVRQGRKAPAAAAAAGGGCWVMHEYSLALPMHKKGCLAEAEWVVCRIQFRS  
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LOC\_Os03g42630 (ONAC006)sequence information

**Genomic sequence length:** 1985 nucleotides

**CDS length:** 972 nucleotides

**Protein length:** 323 amino acids

Genomic Sequence

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 AGGTCTCCGACTTCGGCTTCGCCACCCGCGCCATCGCCGACGTCGACCTCAACAAGTGCG  
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#### CDS

##### >ONAC006

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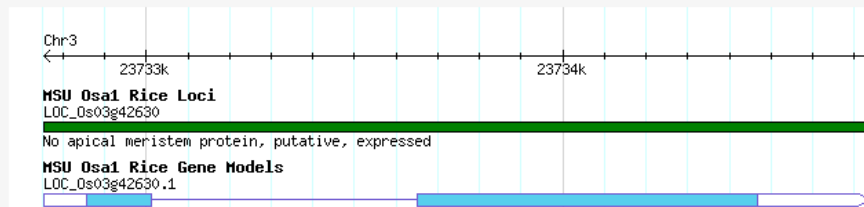
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#### Protein

>ONAC006

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TSWVMHEYRLQSKFPYKPAKDEWVVCRVFKKLQCHLAKPRPPHDDVDGDGASPPMVDA  
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QWPAATQAGLVGGTVFAAAHKAAGTMPFGGGCSQQQARDVGVSLANVGGGDALFGGAPLA  
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#### Gene Structure



#### LOC\_Os06g04090 (ONAC007) sequence information

**Genomic sequence length:** 3489 nucleotides

**CDS length:** 1188 nucleotides

**Protein length:** 395 amino acids

#### Genomic Sequence

>ONAC007

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CDS

>ONAC007

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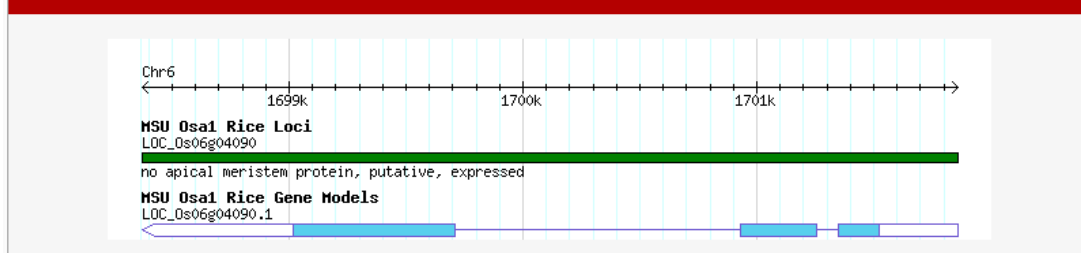
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#### Protein

>ONAC007

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#### Gene Structure



#### LOC\_Os04g43560 (ONAC008) sequence information

**Genomic sequence length:** 2903 nucleotides

**CDS length:** 837 nucleotides

**Protein length:** 278 amino acids

Genomic Sequence

&gt;ONAC008

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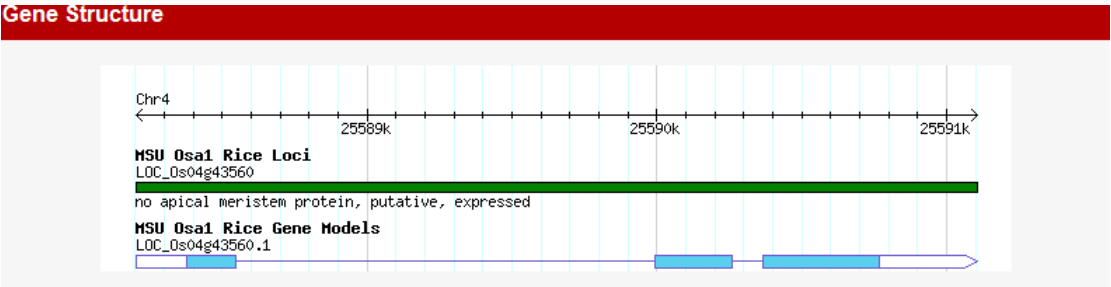
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LOC\_Os07g37920 (ONAC010) sequence information

**Genomic sequence length:** 2644 nucleotides

**CDS length:** 1278 nucleotides

**Protein length:** 425 amino acids

Genomic Sequence

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CDS

&gt;ONAC010

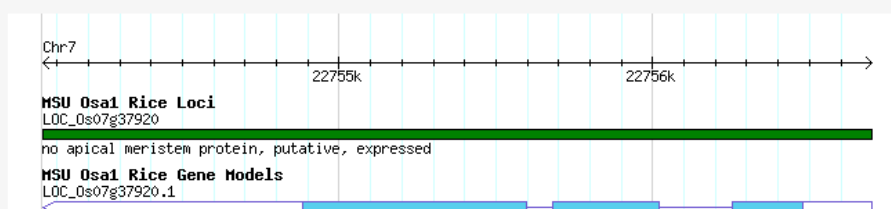
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Protein

&gt;ONAC010

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#### Gene Structure



**LOC\_Os06g46270 (ONAC011) sequence information****Genomic sequence length:** 4341 nucleotides**CDS length:** 915 nucleotides**Protein length:** 304 amino acids

Genomic Sequence

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# CDS

>ONAC011

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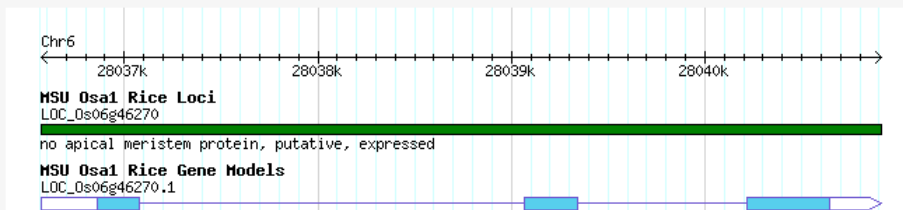
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>ONAC011

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#### Gene Structure



#### LOC\_Os05g37080 (ONAC012) sequence information

**Genomic sequence length:** 1637 nucleotides

**CDS length:** 825 nucleotides

**Protein length:** 274 amino acids

#### Genomic Sequence

>ONAC012

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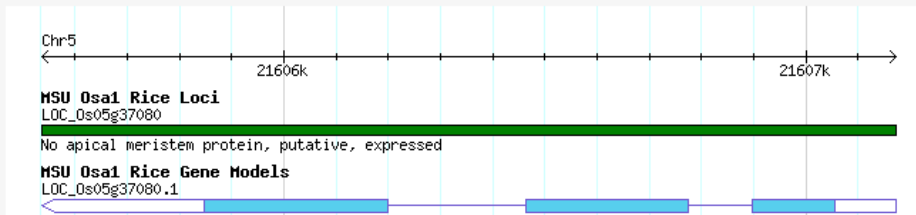
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#### Protein

>ONAC012

MGELPPGYRFYPTEELVCFYLRHKLDGRRVPDIERVIPVADVCSLDPWQLPEAHQGAW  
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 PPSSSVAGGGGENRAAPSSSTAAAFANEDAAESSGKSQKRKRSAPDDSLDSTSSDDNGGC  
 DGSMLQQQQQRGRGTDEELVECSMTDWADLLDWF\*

## Gene Structure



## LOC\_Os02g15340 (ONAC013) sequence information

**Genomic sequence length:** 1999 nucleotides

**CDS length:** 1080 nucleotides

**Protein length:** 359 amino acids

Genomic Sequence

>ONAC013

```
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#### CDS

>ONAC013

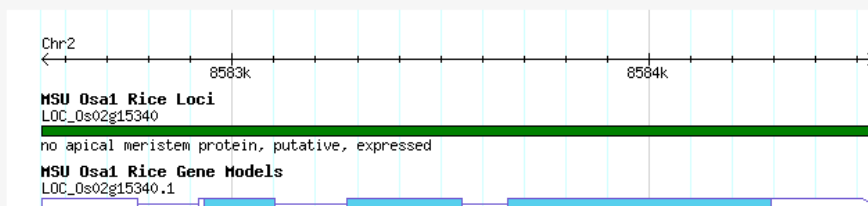
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#### Protein

>ONAC013

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#### Gene Structure



#### LOC\_Os01g01430 (ONAC016) sequence information

**Genomic sequence length:** 1539 nucleotides

**CDS length:** 1023 nucleotides

**Protein length:** 340 amino acids

Genomic Sequence

>ONAC016

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CDS

>ONAC016

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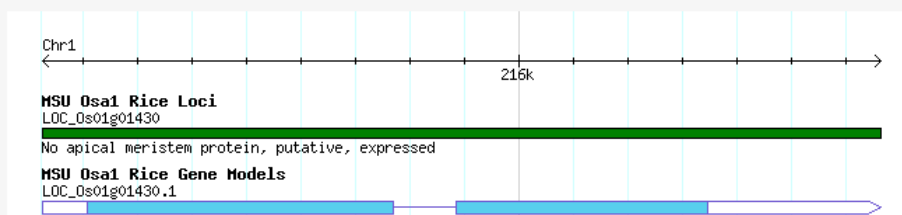
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 TGA

#### Protein

>ONAC016

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 SSSASMRLDEWVLCRIYKKKEANQQLQHYIDMMDDNDDEHNLQVQQQQQQQAQSHRMP  
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#### Gene Structure



#### LOC\_Os11g05614 (ONAC017) sequence information

**Genomic sequence length:** 2578 nucleotides

**CDS length:** 885 nucleotides

**Protein length:** 294 amino acids

#### Genomic Sequence

>ONAC017

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# CDS

## >ONAC017

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#### Protein

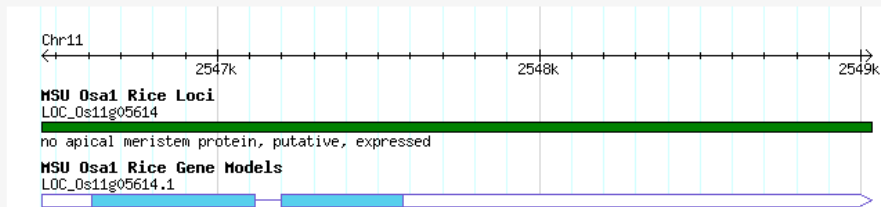
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#### Gene Structure



#### LOC\_Os10g38834 (ONAC018) sequence information

**Genomic sequence length:** 6594 nucleotides

**CDS length:** 1026 nucleotides

**Protein length:** 341 amino acids

Genomic Sequence

>ONAC018

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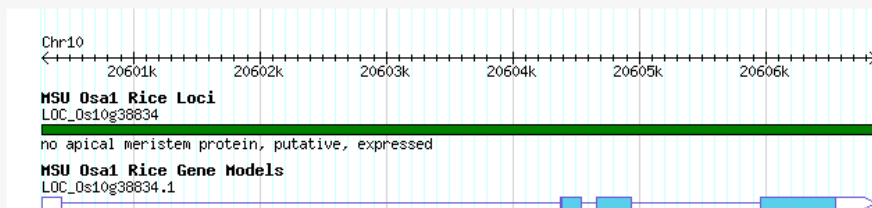
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#### Protein

>ONAC018

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#### Gene Structure



#### LOC\_Os06g01230 (ONAC019) sequence information



**Genomic sequence length:** 3228 nucleotides

**CDS length:** 1179 nucleotides

**Protein length:** 392 amino acids

Genomic Sequence

>ONAC019

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#### CDS

>ONAC019

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#### Protein

>ONAC019

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#### Gene Structure



#### LOC\_Os01g01470 (ONAC020) sequence information

**Genomic sequence length:** 1828 nucleotides

**CDS length:** 963 nucleotides

**Protein length:** 320 amino acids

#### Genomic Sequence

>ONAC020

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#### CDS

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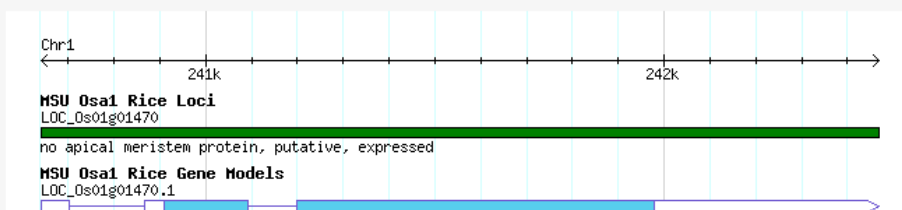
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#### Protein

>ONAC020

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#### Gene Structure



**LOC\_Os09g12380 (ONAC021) sequence information****Genomic sequence length:** 1640 nucleotides**CDS length:** 1488 nucleotides**Protein length:** 495 amino acids

Genomic Sequence

&gt;ONAC021

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CDS

&gt;ONAC021

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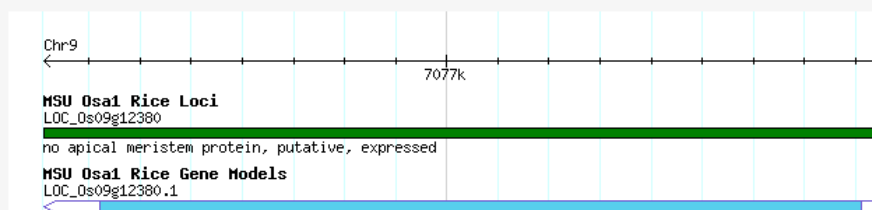
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 CAGCGGCAGCCACCGTGTGTACATTTGTGGTGCACCCGTGCGCGGTGCACGCGAAGATG  
 CGACACGGCGCGGCTACGGGTGCGGCTGCCGTGTGACCGGCGCTGTCCGGAGAGGCGGT  
 TACCATCTGCCGAGGCGTGCAGTACATACTACGACTACTGGACAGTAG

#### Protein

>ONAC021

MADADADACPAVFASRHPTEQELISSYLHPRLLLTTTKPAAVAAGGVPSFIHHADAYAA  
 DPADLTARHLPARAADGSRAWYFFSPVRTTTERGTRRRARAVESGDGCWHSESGVRVAVDA  
 AGRRVGHRQFFSFVKKREEDGKRVRTGWLMLVGLVDNDAASASSSNELVLCKIYMTPRMP  
 PPSPPSAVTSSAAATMELMPRAPPPSAPSAVTSPAATTMELMAGGVHKRRKISDEIAAAA  
 TPPHPQQRRQRCPDNDGSKESSGESSVVLDDDDDDADAPEDGGAVRSKLRSDDGVM  
 LADARDDEQHAATSDSMAGTSGGAVTGGGHGKLLPDLNVVATVAHDDEGRHARGAPRPQD  
 GGTSTTTTMMASAGAERGSTTGHLPAAATAGYRRTLMFLFLEEDDDAVEDEQQQQQAPPLP  
 PATSTATTTTTRTAAEANVQRQRQPPCCTFVVHPCAVHAKMRHGAAYGCGCRVTGAVRRGG  
 YHLPRRAVHTTTTGQ\*

#### Gene Structure



#### LOC\_Os03g04070 (ONAC022)sequence information

**Genomic sequence length:** 1894 nucleotides

**CDS length:** 951 nucleotides

**Protein length:** 316 amino acids

## Genomic Sequence

&gt;ONAC022

ATCTCCACCTCACCTCGTCCATCGTCTCCAGTAAAAATCAAGATCGGCAAGCCAAGTGCA  
 GAGGCAACCACCACCACCTGGAGCAGAGCGAGCGAGCGAGCAGAGCACACTGT  
 CATCAATGGCGGCGGCAGTGGCTGTGGCTGGGCCGTCCATGGAGGTGGAGCAGGACCTCC  
 CGGGCTTCCGTTTCCACCCACGAGGAGGAGCTCCTCGACTTCTACCTCTCCCGCGTCG  
 TCCTAGGCAAGAAGCTCCACTTCAACATCATCGGCACCCTCAACATCTACCGCCATGATC  
 CCTGGGACCTCCCAGGTAAACACCAACACACAGTGAGAGTTCAGCAAGAACGGAGACAGT  
 GTTTGAGCTGGATGATCTGATGATGATGATGTGTGTGTTTCTTGTAATAATGTGCAGGCA  
 TGGCGAAGATCGGGGAGAGGGAGTGGTACTTCTTCGTGCCGCGGGACAGGAAGGCCGGGA  
 ACGGCGGGCGGCCGAACCGGACGACGGAGCGCGGGTTCGGAAGGCGACGGGGTTCGGACA  
 GGGCGATCCGGAGCTCCGGCGACCCGAAGCGGGTGATCGGGCTCAAGAAGACGCTCGTCT  
 TCTACCAGGGTCGCGCCCCGCGCGGCACCAAGACGGACTGGGTCATGAACGAGTACCGCC  
 TCCCCGACTACGGCGCCGCCCGCGCCCGCCCTCCAAGGTAAACTAATGCTCT  
 CTTAGCAATTAACAAGAACAATCAGTTGCAGAGTTAATTATTAGAACGAATCCTTTAAGT  
 GATCGCAAAATATTAGTACTACTGAATTCTTAAATGGTCACAAAAAATGATCGGAAT  
 GAAGTGAGAATGATCATGTCATTTATTTCTTTTTTGAACGAACAATGATCATGTCATATG  
 TAGTACTAGTATTAGAGTATTAGTACATTGGCAGTGAATGCTCTCATTAAATTTGGTTGTT  
 TTTGGTGTGAAAATGGGGTGCAATGTAGTCGTTGTCCCAGTAGACTTGCAGTATCAATGA  
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 GGGAGTTGACTGCCTTGATTTTTACCATTGTACATGTAAATTTACTCCAGAGAACAATA  
 CTCCACTAGTAGTACAATTTTAACTTGGATTTTTCTCACACTGTGTTTGGCGGCAGGAGG  
 ACATGGTGCTCTGCAAGATATACCGGAAGGCGACGCCACTGAAGGAGCTGGAGCAGAGAG  
 CCTCGGCAATGGAAGAGATGCAGAGAGGATCAAGTCACGGAGACTACACGGCGACGAGAG  
 CATCCCTCGTCCACGACGCCCTCCGCCCTCCACCGCGACGACTACTTCTCGTCGGACGACG  
 TCCACGACAGCGGCTTCTGATCCAGTCCTCATCTCGTCGGCGGGCGCCGTCCGGCAGCA  
 GCAGCAAGAACGGCGGCGCTGGCGCACCAAGGGAAGCCAAGAAGGAAGAAGCAGACGTCA  
 CGGTCACGGTGGCGTCGGCGACGAGCCTACAGCTCCCGGCGGTGAGCCAGCTGCCGAGCC  
 TGCAGCTTCCGGCGATGGACTGGCTGCAGGACCCGTTCTTGACGCAGCTGCGCAGCCCGT  
 GGCAGGACCAGCACTGCCTGTCTCCCTACGCCATCTGCTCTACTACTAAGCAAGGGGCA  
 GAGAATTACATTGTGCATCGAAGCAAGAGGAGTCGATCACGATCTCCAGATGCATGTGCA  
 AGAGCAAGAGATCAATCACCCGTCGACGAAGAACAAGTAGCGTAGAATGGCTAGCTGTG  
 GATTCGATTGTACATATAGTAGTAGCACCAGAGATATCAATCAATCTTTTGGTCTTCTCTC  
 AAGATAATATGATGCTTTCTGACTTGACAATGCT

## CDS

&gt;ONAC022

ATGGCGGCGGCAGTGGCTGTGGCTGGGCCGTCCATGGAGGTGGAGCAGGACCTCCCGGGC  
 TTCCGTTTCCACCCACGAGGAGGAGCTCCTCGACTTCTACCTCTCCCGCGTCGTCCTA  
 GGCAAGAAGCTCCACTTCAACATCATCGGCACCCTCAACATCTACCGCCATGATCCCTGG  
 GACCTCCCAGGCATGGCGAAGATCGGGGAGAGGGAGTGGTACTTCTTCGTGCCGCGGGAC  
 AGGAAGGCCGGGAACGGCGGGCGGCCGAACCGGACGACGGAGCGCGGGTTCGGAAGGCG  
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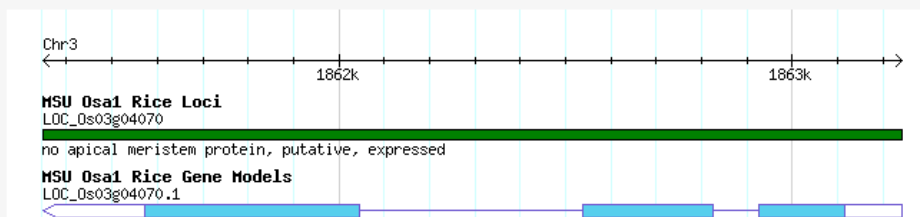
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 GCATCCCTCGTCCACGACGCCTCCGCCTCCACCGGCGACGACTACTTCTCGTCGGACGAC  
 GTCCACGACAGCGGCTTCCTGATCCAGTCCCTCATCCTCGTCGGCGGCGCCGTCCGGCAGC  
 AGCAGCAAGAACGGCGGCGCTGGCGCACCAAGGGAAGCCAAGAAGGAAGAAGCAGACGTC  
 ACGGTCACGGTGGCGTCGGCGACGAGCCTACAGCTCCCGGCGGTGAGCCAGCTGCCGAGC  
 CTGCAGCTTCCGGCGATGGACTGGCTGCAGGACCCGTTCTTGACGCAGCTGCGCAGCCCG  
 TGGCAGGACCAGCACTGCCTGTCTCCCTACGCCCATCTGCTCTACTACTAA

#### Protein

>ONAC022

MAAAVAVAGPSMEVEQDLPGFRFHPTTEEELLDLYLSRVVLGKKLHFNIIGTLNIYRHDPW  
 DLPGMAKIGEREWYFFVPRDRKAGNGGRPNRTTERGFWKATGSDRAIRSSGDPKRVIGLK  
 KTLVIFYQGRAPRGTKTDWVMNEYRLPDYGAARAAAPPPKEDMVLCKIYRKATPLKELEQR  
 ASAMEEMQRGSSHGDTATRASLVHDASASTGDDYFSSDDVHDSGFLIQSSSSAAPSGS  
 SSKNGGAGAPREAKKEEADVTVTVASATSLQLPAVSQPLSLQLPAMDWLQDPFLTQLRSP  
 WQDQHCLSPYAHLLYY\*

#### Gene Structure



#### LOC\_Os02g12310 (ONAC023) sequence information

**Genomic sequence length:** 1862 nucleotides

**CDS length:** 759 nucleotides

**Protein length:** 252 amino acids

**Putative Function:** no apical meristem protein, putative, expressed

#### Genomic Sequence

> **ONAC023**

CATCACAAAACACATAAACTATATCATCATCTTCCATAGCTGTACACATCCTATATTTT  
 CATTCATGGCGATGACACCGCAGCTAGCATTTTCTCGCATGCCTCCAGGGTTTCGGTTCC  
 AGCCGACGGACGAGCAGCTTGTCTGCTGACTACTTGCAGAGGCGTACCGCTGCGCAGCCAT  
 GCGTTACTCCCGACATCACCGATATCGACGTTTACAACGTCGACCCGTGGCAGCTTCCAG  
 GTGCTATATATATGCGCACTTTAATTTGCATGAGCCTCACTACATACGGTGCTCTCTACT  
 GGTAGTAGAAATCAATCTAAACCGTTAATCTTATTTGACCGAATGGTTCAGAGATCTATT  
 TATATTATGGTAGTAAAAATCGTGGATGGGTGTTATCGTCAGAAAAAAAATAGGGGTGAA  
 GGGTATAGTCGTCATTTAGCAGTGGCTAAACTCTTTTTTCTCCTTTTTTGGCTTTTTCGA  
 TGAAATATGAGCGATGCCAGCGCAATAGATGATCATAGATCAATTTAGCTGAGAAAAAAC



ATAAATGACAAAATAATTTCTAATCATTGTATTAGTAAATTACTAATTTACCTTAATAAT  
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 GGCAGGGCGGAGGCAGGCCTAGGACAGGTAGGGCTTAAGCCCTAGGCTTGTTGCCTCCAA  
 AATCATGGTTAAACTCTCTTAAATCATCATTTAAATTTGGGAAAAGAAATGAATAACTAA  
 TTAATAACACCCCTACCTTTGTCCCTACTCTTAGAGTCCGTCACCTGCATACGCCGAAGTTCT  
 ATTGATAGAGCAGAAAAAAATTACAAAAATTATAACCCTGAAATGTCGAAACCAGGAAAAA  
 GGAAAAAATATATATTGATTGTGACCCTGATAGATGCGATACTAATGCAACATATATTGA  
 CTGTGTTTGTAGCCATGGCGATGTATGGATCGGATCATGACCGGTACTTCTTCACGATGG  
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 CAAAGAAGACGATCTTCGTCGTCGCCGGTGGGCATGAGGTGCCCACCGCCGTCAGAGGA  
 GGTTCGTCTTCTACCTCGGCCACCACCAACCATCGGGCAGCAACAACAACAAAACAT  
 CATGGATCATGCATGAGTACCGTCTCATGAACTCTCCAAGAGCGGCAGTGCCGTCGTCTT  
 CTTCCGTGAATCGTCTTCCCACTGATGATCTCACGGAAGAGATGGTGCTGTGTAGGATCT  
 CCAACAAGGACCTGCCTAAACCACCCCTTCATCCACAACAGCTTGTTGCAGTTCTCTTCAG  
 TGGGGTTGAATGGTGATGGGTATAATTACTTGATCCTTGATCACCTTGAGCCTCCAGCAA  
 TGGAGTATCCTAATGTTGGCATTGGTAATGTTGATGATGCTGCTGCTGGTACTGATGATC  
 CGGGTGACCTTGATGAGGAGATTGATGATAGCATGCAAAGAAACCATGGTGGCTAGAATT  
 AACCAGTAGCATCATGAGTGAATGGTTTTGCGGGAGATTTGAGTTAAATATCAGATAATA  
 AAATAATAATACAAAGAATAAAAAAGAAAAACAAACCTGTATAGTTAGCAGGTTTTGATTC  
 ATTTTCGTTGAACTTTGTGTGCTTGTTAGCTAGCCTATATACCAAACATGCCTTGGCGAGG  
 CTTTCTATTTGTATATAGCTTTTTTTCTTTTTTCTATTGTAAGGTTTCAACTCTATTGAG  
 TTGATTGAATAAACATTATGCAATTTATGTAACATATTGTCTATAAAGTTCTATTGGCAT  
 GC

CDS

> **ONAC023**

ATGGCGATGACACCGCAGCTAGCATTTTCTCGCATGCCTCCAGGGTTTCGGTTCCAGCCG  
 ACGGACGAGCAGCTTGTGTCGACTACTTGACAGAGGCGTACCGCTGCGCAGCCATGCGTT  
 ACTCCCACATCACCGATATCGACGTTTACAACGTCGACCCGTGGCAGCTTCCAGCCATG  
 GCGATGTATGGATCGGATCATGACCGGTACTTCTTCACGATGGCGGCCCCGAGAGGCGCAG  
 GCCAGACGAACGACACCGTCGGGTTTCTGGAAGCCCACCGGCACAAAGAAGACGATCTTC  
 GTCGTCGCCGGTGGGCATGAGGTGCCACCGCCGTCAAGAGGAGGTTTCGTCTTCTACCTC  
 GGCCACCACCAACCATCGGGCAGCAACAACAACAAAACATCATGGATCATGCATGAG  
 TACCGTCTCATGAACTCTCCAAGAGCGGCAGTGCCGTCGTCTTCTTCGGTGAATCGTCTT  
 CCCACTGATGATCTCACGGAAGAGATGGTGCTGTGTAGGATCTCCAACAAGGACCTGCCT  
 AAACCACCCCTTCATCCACAACAGCTTGTTGCAGTTCTCTTCAGTGGGGTTGAATGGTGAT  
 GGGTATAATTACTTGATCCTTGATCACCTTGAGCCTCCAGCAATGGAGTATCCTAATGTT  
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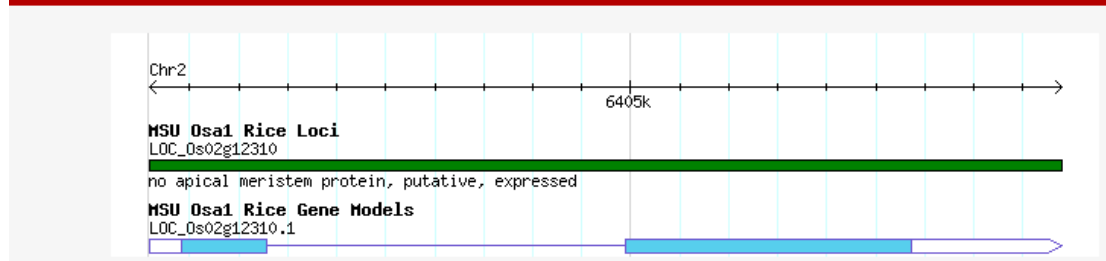
Protein

> **ONAC023**

MAMTPQLAFSRMPGFRFQPTDEQLVVDYLQRRTAAPCVTPDITDIDVYNVDPWQLPAM  
 AMYGSDDHRYFFTMAREAQARRTTPSGFWKPTGKKTIFVVAGGHEVPTAVKRRFVFYL

GHHQPSGSNNNNKTSWIMHEYRLMNSPRAAVPSSSSVNRLPTDDLTEEMVLCRISNKDLP  
 KPPFIHNSLLQFSSVGLNGDGYNYLILDHLEPPAMEYPNVGIGNVDDAAAGTDDPGDLDE  
 EIDDSMQRNHGG\*

### Gene Structure



### LOC\_Os05g34310 (ONAC024) sequence information

**Genomic sequence length:** 1901 nucleotides

**CDS length:** 933 nucleotides

**Protein length:** 310 amino acids

Genomic Sequence

>ONAC024

ATCTCCACAAGAGAACTAGGATCTTCAAGTATAGCTAGCATTGCGCCCTCATTTTCATC  
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 TGAGGAACTAGTCATCAACTACCTCCAGAGGCGTGCTACCGGGCTATCGTGCCCCATCCC  
 CATAATCGCAGATGTCGAAATATACTCAACTTCAACCCGTGGGAGCTTCCATGTAAGCCATA  
 TGTGTAGTCTAGTGTGCATTAATATTTATGCTTGATTATAGAATGGATGAACTTACCAAC  
 TACTATACACAATGTGTTAATGATATTGGTGTTCAGCCATGGCTCTATTTGGGGAACAT  
 GAGTGGTACTTTTTTACACTACGCGACCACAGGTACCCCAATAGTGTGCGCCCTAGTCGC  
 TCAGCGGCGTCAGGCTTTTGAAGGCCACCGGCACTGACAAGCCCGTCCAAGTTGCTAAC  
 ATGCAAAGCACTCCTGTAGCTATGAAGAAGGCACTTGTATTCTATGTTGGCCGCCCCGCC  
 ATGGAACCAAGACTACATGGATCATGCATGAGTACCGTCTCACAACACGGGAGGGTCC  
 ACTGCCTCCCACCCATCCTTGCTTCATCCACCGCACACCCTTCTGTGAAGGTACAAACA  
 ACACAACTATATTGAGAAATTATTTTTTTTCTTGAGAGAATGGTCCTTCGTTTTTAGTG  
 TGTCGTCTGTTTAGTTATGAAATCTTTGACAAGGTAATACATGACAAAATTCGACTTCT  
 GTAACCTGTAGAAAAAACTAACTACACTCCTCCTTGCAAAAGAAAAACAGAGTACATAT  
 TCCATTCCCTAGTCGATCTCAATCGTTAGTTCATCATATATGCAAGGCTTAATATCTCCCC  
 CTTTTTACTGATCTTACCAATAGATTAACCATGTTATCATGGATCTATATGCGTATATA  
 TGCAGCTAGACGAGTGGGTGCTATGCAAGATCTTCAACAAGTCCCCAGAGCCGACAACA  
 CCGCACCACCATCAACGTCGTCTCACGGTTACAGTGCTCGCCGCCGCTGCCGCCGCCG  
 CGGCACCGCCCGGCAACTACCCGCCGCTGCCGGTGGGTGCGACGAACGACGGCGGCGTGT  
 TCGCCGGCGCCGGCGACATGCTCTTACCATCCAAGAGCACCAGGAGGGAACACCATCGA  
 TGCTGCCGCCGATCCCTAACCTTGAGCCACCGCGGCAACAATTGGGAATTCCTCTCTCA  
 ATGGCACTGCTGCTGCTGCTGCTGCTGCTGATGGCCATGGCCGCCTTGAGGAAGAGGACA  
 CCAGCGCTACACCTTACCGACCAGGAAATGGAGCAGATGCTCATGGACCTGATGGACC  
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 TTTTGGCTGTGTTCCGGCAGCAATCTTTCCCAACTCATCTTCATCGTCTTTTGCACGCACC  
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#### CDS

>ONAC024

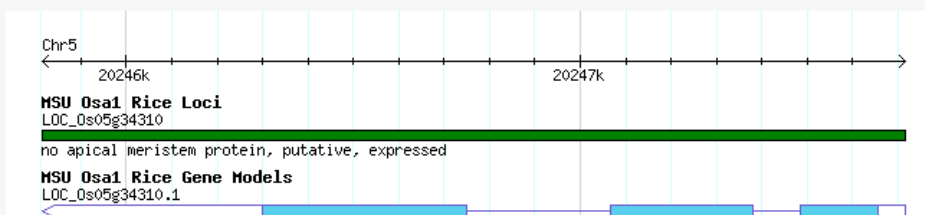
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 CAAGTTGCTAACATGCAAAGCACTCCTGTAGCTATGAAGAAGGCACTTGTATTCTATGTT  
 GGCCGCCGCCCATGGAACCAAGACTACATGGATCATGCATGAGTACCGTCTCACAAAC  
 ACGGGAGGGTCCACTGCCTCCCACCCATCCTTGTCTTCATCCACCGCACACCCTTCTGTG  
 AAGCTAGACGAGTGGGTGCTATGCAAGATCTTCAACAAGTCCCCAGAGCCGGACAACACC  
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 GCACCGCCCGGCAACTACCCGCCGCTGCCGGTGGGTGCGACGAACGACGGCGGCGTGTTC  
 GCCGGCGCCGGCGACATGCTCTTACCATCCAAGAGCACCAGGAGGGAACACCATCGATG  
 CTGCCGCCGATCCCTAACCTTGAGCCACCGCGCGCAACAATTGGGAATTCCTCTCTCAAT  
 GGCACTGCTGCTGCTGCTGCTGCTGATGGCCATGGCCGCCTTGAGGAAGAGGACACC  
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#### Protein

>ONAC024

MAMQLSLPVLPTGFRFHPTDEELVINYLQRRATGLSCPPIIADVEIYNFNPWELPSMAL  
 FGEHEWYFFTLRDHRYPNVSRPSRSAASGFWKATGTDKPVQVANMQSTPVAMKKALVFYV  
 GRPPMETKTTWIMHEYRLTNTGGSTASHPSLSSTAHPVSVKLDEWVLCKIFNKSPEPDNT  
 APPSNVVSRLQCSPLPPPAAPPGNYPPLPVGATNDGGVFAGAGDMLFTIQEHQEGTPSM  
 LPPIPNLEPPAATIGNSSLNGTAAAAAADGHRLEEDTSAYTFTDQEMEQLMDLMDQ  
 DFFGNDQPQE\*

#### Gene Structure



**LOC\_Os11g31330 (ONAC025) sequence information****Genomic sequence length:** 2370 nucleotides**CDS length:** 903 nucleotides**Protein length:** 300 amino acids

Genomic Sequence

&gt;ONAC025

ATCACTGCAGTGCCTTTGAGCTTTCGTTCTCTAGAGTGTCTAGGGTGAATCTTGAGCGAG  
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 TAGCATCCCCATGGTGAATGGTGCCACAATCCACCTCCTCCCTGGTTTCCGGTTCCGTCC  
 AACTGACGATGAGCTAGTCATCAAAATACCTCTACCCCCGTGCTTTTCATGTGCCACTGCC  
 CTGTGCGATCATCACCGATGTTGACATCCATCATCACAACCCCTGGGACATCGTCCCAGG  
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 GGTTTTAATTTGATCATTGCCACAAGATTTATATAAGTGACATGTCAACAGTTTACTTCT  
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#### CDS

>ONAC025

ATGGCTAACACCGGACTTAGCATCCCCATGGTGAATGGTGCCACAATCCACCTCCTCCCT  
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CGCAATGATCCATCCTCGCCCCATAGCTGCACCATTGACCCCTCCTCTTTGGAGGAAGGG  
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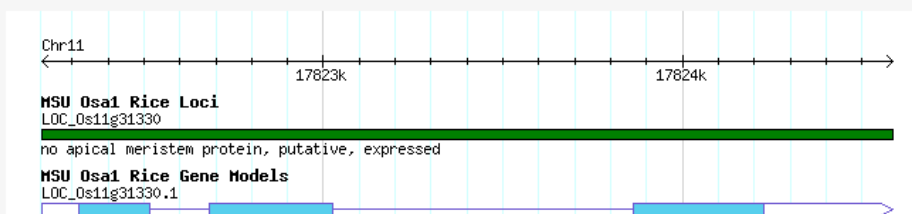
#### Protein

>ONAC025

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GMRRTL VFHYGKSRSAERTEWAMHEFQLAGAGLLPHPMRHSNGSEPPCGCLEATIAK  
KSDGLSATLRAKRDSAPLMRIMVEPDSSWVICCIYKKRQRAPPVVIPPVIGDVGEAII PH  
AIGDAREGQLHFIDFLGQPARNDPSSPHSCTIDPSSLEEGSDESAGDGEDKDGDMNEAN

\*

#### Gene Structure



#### LOC\_Os01g29840 (ONAC026) sequence information

**Genomic sequence length:** 2114 nucleotides

**CDS length:** 1002 nucleotides

**Protein length:** 333 amino acids

## Genomic Sequence

&gt;ONAC026

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 GATTTGCTTATATATGTATTATTGGTTATATATGTCAGGTTGAAGCGATCGAGATCATCG  
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 AATGTAGGGAAGGCGAAGATGAACGGGGAGAAGGAGTGGTATTTCTACTGCCAGAAGGAT  
 CGGAAGTATCCGACGGGGATGAGGACGAACAGGGCGACGGAGGCGGGATACTGGAAGGCG  
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## CDS

&gt;ONAC026

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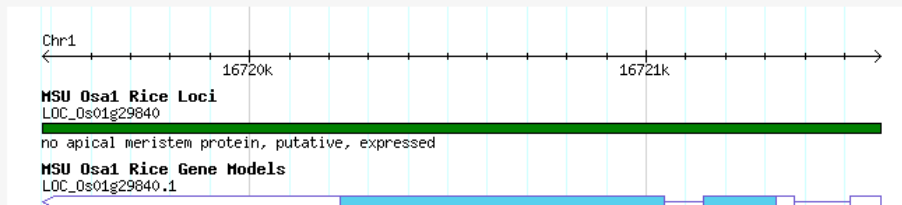
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 AGGCAGGACGACTGGGCCGTGTGCAGGATCTTCCACAAGAGCTCCGGCATCAAGAAGCCG  
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#### Protein

>ONAC026

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 VFYKGRAPKGDKNWVMHEYRLADASPPQPPPPSSAEPPRQDDWAVCRIFHKSSG IKKP  
 VQVPMQMMPQMMPVAHQVPAANYQQQMAMASASIIQVPMQMMPMSDQLQMLDDFSTG  
 SLMAPPPPPPSYSTLPGFPLQINGGAQQFVGNPSMYQQQQQQQQQMDMAAGGFVVSEP  
 SSLVSPQDAADQNNADISSVACNMDATIWKY\*

#### Gene Structure



#### LOC\_Os02g34970 (ONAC028) sequence information

**Genomic sequence length:** 1328 nucleotides

**CDS length:** 615 nucleotides

**Protein length:** 204 amino acids

Genomic Sequence

>ONAC028

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#### CDS

>ONAC028

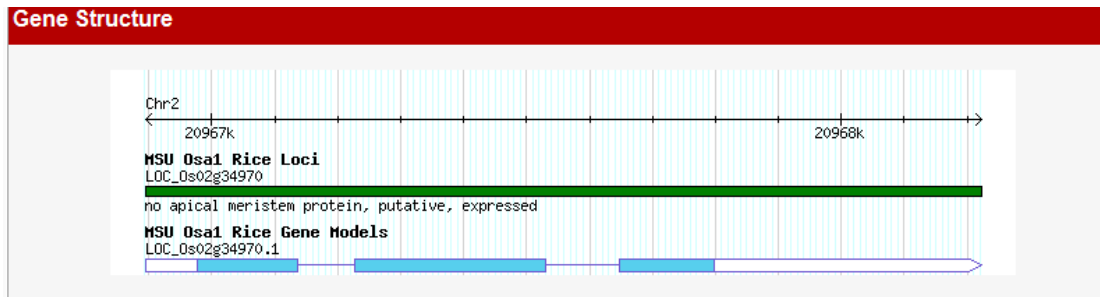
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#### Protein

>ONAC028

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 EYHLLDGD CVAGGSSNLTSSSSNRRSHRKRGHSSMESNNWVLCRVFESSCGSQVSFHGEG  
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### LOC\_Os08g02300 (ONAC029) sequence information

**Genomic sequence length:** 2499 nucleotides

**CDS length:** 1203 nucleotides

**Protein length:** 400 amino acids

Genomic Sequence

>ONAC029

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## CDS

### >ONAC029

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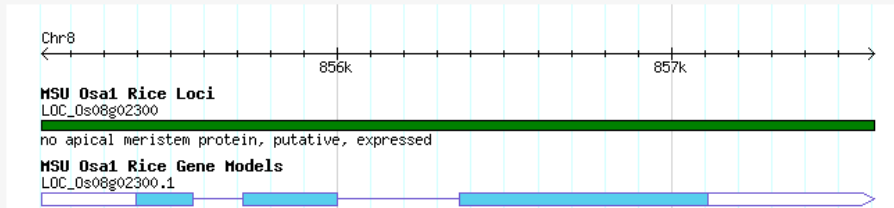
## Protein

### >ONAC029

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AAADHLLLHHHRTDWAMMDRLVASHLNGANS DAPDDQLCFDAADDDGLAYYSAAATRL  
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#### Gene Structure



#### LOC\_Os01g23710 (ONAC030) sequence information

**Genomic sequence length:** 3028 nucleotides

**CDS length:** 1383 nucleotides

**Protein length:** 460 amino acids

Genomic Sequence

>ONAC030

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# CDS

## >ONAC030

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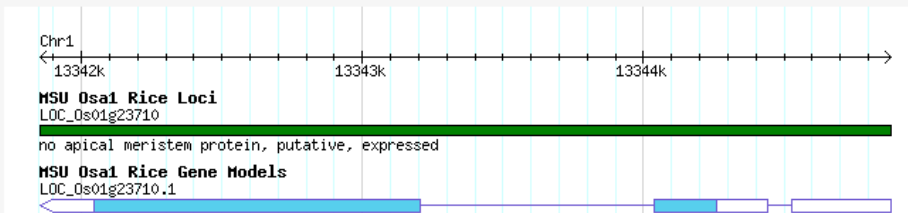
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 TAG

#### Protein

>ONAC030

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 QPQEPQALLVDGEDGYGAIADGDGDTQLGVAELDTERIAEMVNHIMDGEFEFKFEDNTV  
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#### Gene Structure



#### LOC\_Os08g01330 (ONAC031) sequence information

**Genomic sequence length:** 2039 nucleotides

**CDS length:** 975 nucleotides

**Protein length:** 324 amino acids

#### Genomic Sequence

>ONAC031

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# CDS

## >ONAC031

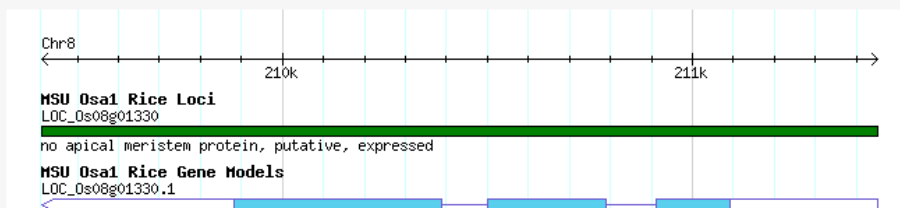
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## Protein

>ONAC031

MDRHEEEAGESPCVPPGFRFHPTEELVGYYLARKVASQKIDLDIIQELDLYRIEPWDLQ  
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GCIPGSYGAGAYA AVPDNYSLLLHHDNPSFAGRPLMSAAASALFANNNNNSVVDHSNLS  
SESKLHFSDMMPPLESPTIVDGEYVSQASSCVDVDQQAGIVDWNLLTSLPPPAHQLFH  
HLPASASSKNSNNISSSGFIDDRD\*

## Gene Structure



### LOC\_Os02g56600 (ONAC032) sequence information

**Genomic sequence length:** 3430 nucleotides

**CDS length:** 996 nucleotides

**Protein length:** 331 amino acids

## Genomic Sequence

## > ONAC032

CGCGCACGCGTCCCTCTCCCGCGTCCCTCCGCTCCTCCCGCGCGCTGCGTACGTGACAGCG  
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CDS

# > ONAC032

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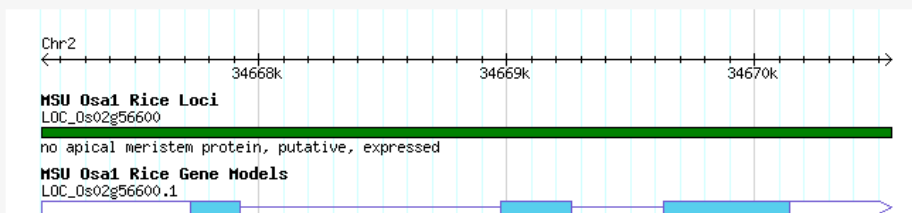
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Protein

#### > ONAC032

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RRASIVGMRKTLVFYRGRAPNGVKTNWVMHEFRMENPHTPPKEDWVLCRVFYKKAETET  
ESSYSMENEQEAVIAMARSAAIKAGGCYSNSSSHDPAAGHHSPPPFPASLAACSSSH  
HYSSHPPPPPDHHHHHMPVTGGGGSLNEFIPTTSMALYSSIFDFSQHLDDGGAASAS  
AAGSRVDGGEQCGLMELGLEEHYNYNGLMPM\*

#### Gene Structure



#### LOC\_Os01g28050 (ONAC033) sequence information

**Genomic sequence length:** 798 nucleotides

**CDS length:** 798 nucleotides

**Protein length:** 265 amino acids

Genomic Sequence

#### > ONAC033

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CDS

> **ONAC033**

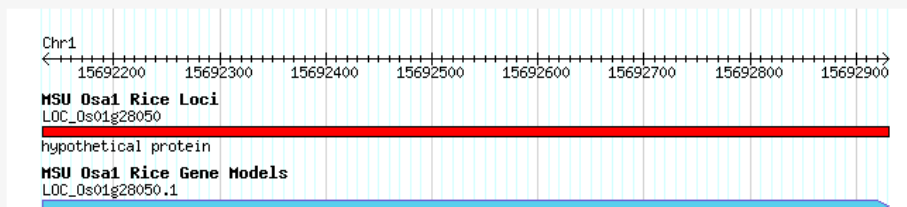
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Protein

> **ONAC033**

MAICAAAADHSRASPSAATQPTTICWRPSKVKEEVEEDGMVVDPPDDASEASDNLRATG  
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 AFYFVRRRRRCRRPNVRRVAEGGGGGGAGGLWKKSWTSGSKSVTDLGVVVPWSKTCYCF  
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 DEAVAAARAVAGTESKSYLLCGLTAN\*

**Gene Structure**



**LOC\_Os01g59640 (ONAC035) sequence information**

**Genomic sequence length:** 1892 nucleotides

**CDS length:** 1206 nucleotides

**Protein length:** 401 amino acids

Genomic Sequence

> **ONAC035**

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CDS

> **ONAC035**

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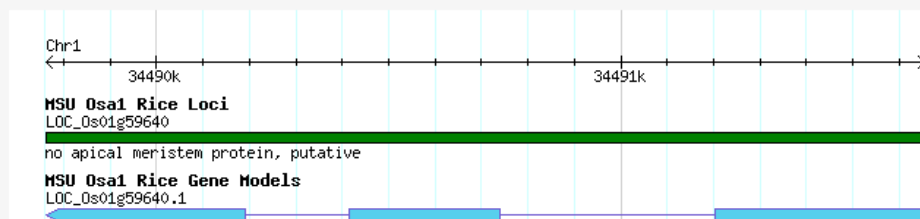
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#### Protein

#### > ONAC035

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 FLRPKLARGEQLPSYSYMHVCDVYSDHPKELTSKLGPSREGNWYMFSPRNRKYNKGKRPSR  
 STGQLGFWKSTTKNEAVLDALSDNMLIGYKACLTIEYDESMPTPKLKKENAIKTPWKMW  
 EFVCSNSNRPFDAEEEPMLNDWVLCKVTNKDNKVTTKKFKPQRSKKPKPKKLQEEQP  
 QNQGIVIRQPSESGSASSSHQEIPGSSLPGAGGDAAAAAATAAAVVDPMPLHMIPPSSWN  
 YFSTGVTADGIVMDDSTGVDSYGCVDGAGALNFQRNIFYHR\*

#### Gene Structure



#### LOC\_Os05g35170 (ONAC036) sequence information

**Genomic sequence length:** 4122 nucleotides

**CDS length:** 1350 nucleotides

**Protein length:** 449 amino acids

#### Genomic Sequence

#### > ONAC036

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CDS

> **ONAC036**

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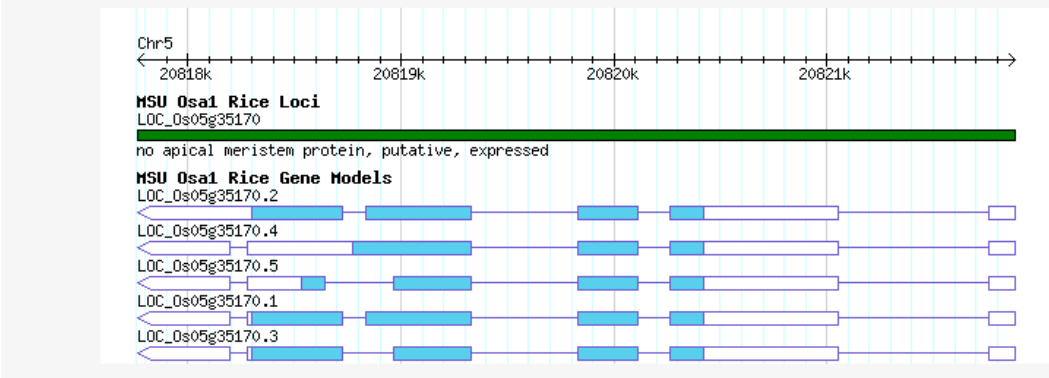
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Protein

> **ONAC036**

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Gene Structure



**LOC\_Os08g06140 (ONAC037) sequence information**

**Genomic sequence length:** 4434 nucleotides

**CDS length:** 2193 nucleotides

**Protein length:** 730 amino acids

Genomic Sequence

> **ONAC037**

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CDS

> **ONAC037**

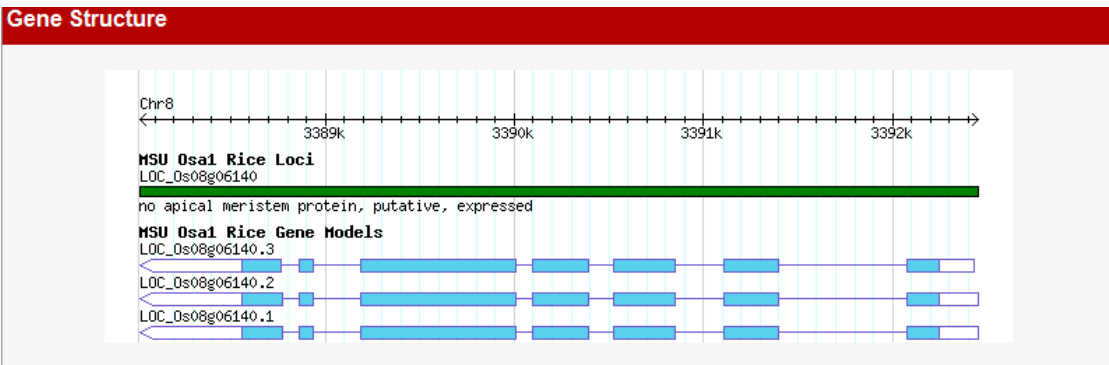
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Protein

> **ONAC037**

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**LOC\_Os01g71790 (ONAC038) sequence information**

**Genomic sequence length:** 952 nucleotides

**CDS length:** 615 nucleotides

**Protein length:** 204 amino acids

## Genomic Sequence

> **ONAC038**

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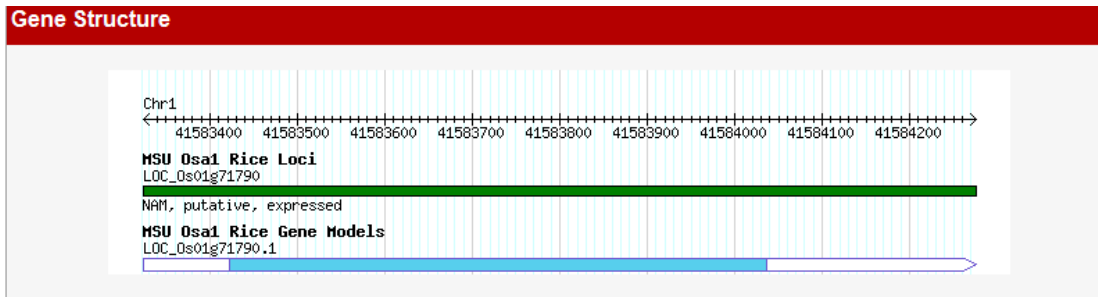
> **ONAC038**

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## Protein

> **ONAC038**

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### LOC\_Os03g21030 (ONAC039) sequence information

**Genomic sequence length:** 2038 nucleotides

**CDS length:** 1077 nucleotides

**Protein length:** 358 amino acids

#### Genomic Sequence

##### > ONAC039

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CDS

> **ONAC039**

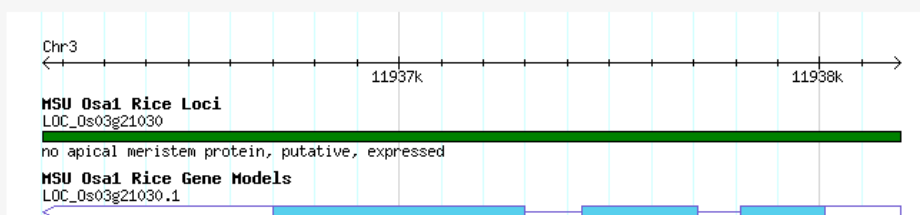
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Protein

> **ONAC039**

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**Gene Structure**



**LOC\_Os08g44820 (ONAC040) sequence information****Genomic sequence length:** 4692 nucleotides**CDS length:** 1971 nucleotides**Protein length:** 656 amino acids

Genomic Sequence

> **ONAC040**

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CDS

> **ONAC040**

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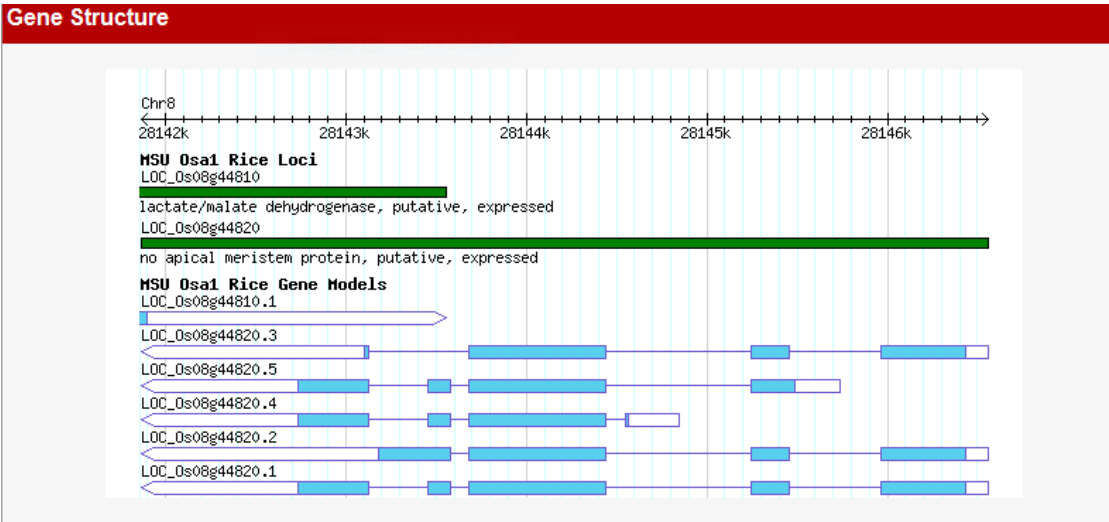
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#### > ONAC040

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**LOC\_Os01g70110 (ONAC041) sequence information**

**Genomic sequence length:** 1202 nucleotides

**CDS length:** 687 nucleotides

**Protein length:** 228 amino acids

Genomic Sequence

**> ONAC041**

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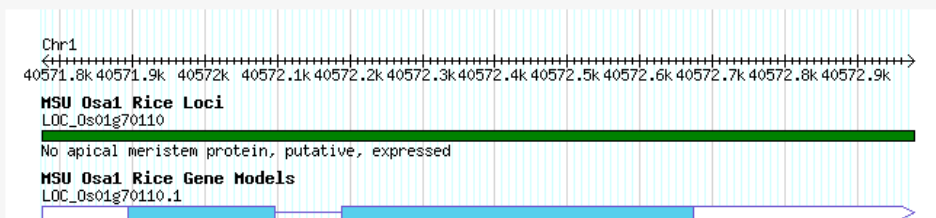
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Protein

> **ONAC041**

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**Gene Structure****LOC\_Os09g32040 (ONAC042) sequence information****Genomic sequence length:** 3207 nucleotides**CDS length:** 2109 nucleotides**Protein length:** 702 amino acids

Genomic Sequence

> **ONAC042**

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> **ONAC042**

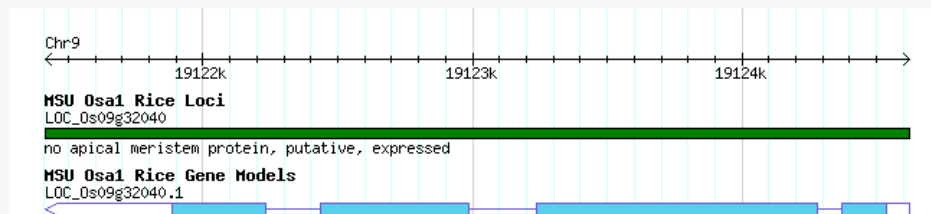
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Protein

> **ONAC042**

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#### Gene Structure



#### LOC\_Os02g06950 (ONAC043) sequence information

**Genomic sequence length:** 6635 nucleotides

**CDS length:** 1512 nucleotides

**Protein length:** 503 amino acids

Genomic Sequence

#### > ONAC043

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CDS

> **ONAC043**

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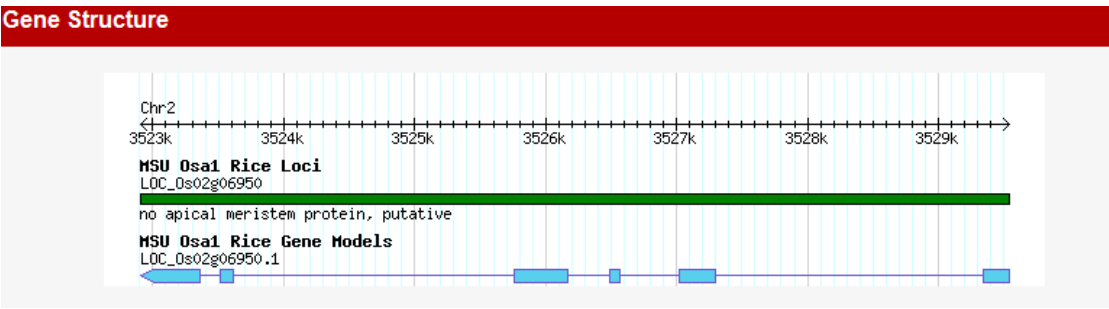
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> **ONAC043**

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**LOC\_Os02g18460 (ONAC044) sequence information**

**Genomic sequence length:** 1512 nucleotides

**CDS length:** 1512 nucleotides

**Protein length:** 503 amino acids

Genomic Sequence

> **ONAC044**

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> **ONAC044**

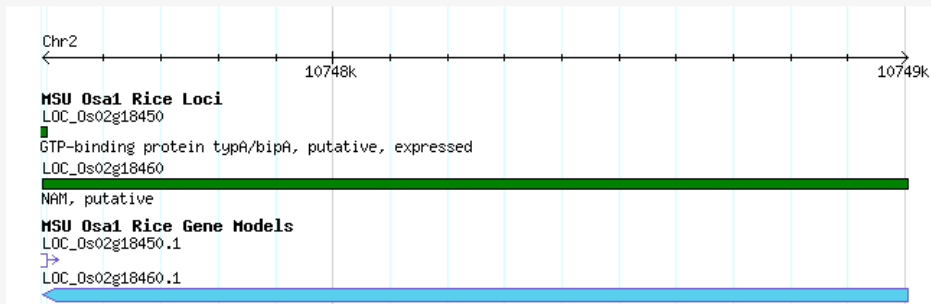
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Protein

> **ONAC044**

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 CYIMPEQQQQSNQEA EYAFACYD\*

## Gene Structure



## LOC\_Os11g03370 (ONAC045) sequence information

**Genomic sequence length:** 1990 nucleotides

**CDS length:** 1080 nucleotides

**Protein length:** 359 amino acids

Genomic Sequence

> **ONAC045**

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CDS

> **ONAC045**

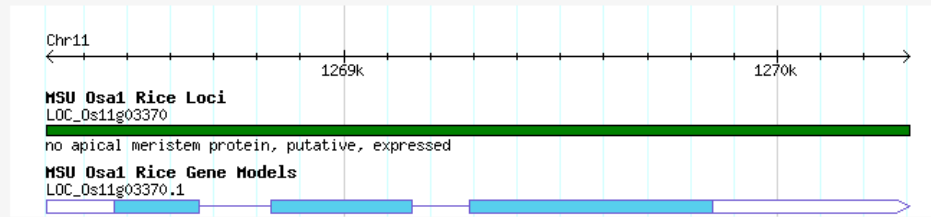
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Protein

> **ONAC045**

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## Gene Structure

**LOC\_Os02g18470 (ONAC046) sequence information****Genomic sequence length:** 1677 nucleotides**CDS length:** 1677 nucleotides**Protein length:** 558 amino acids

## Genomic Sequence

> **ONAC046**

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## CDS

> **ONAC046**

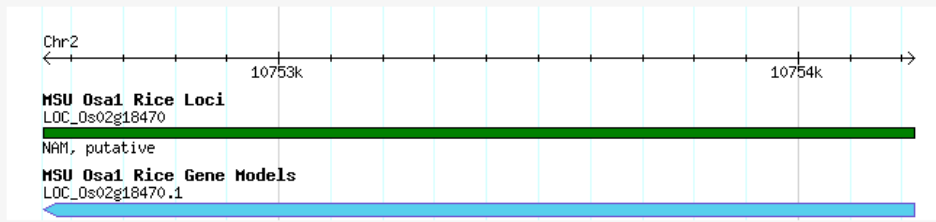
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## Protein

> **ONAC046**

MATAAESQGLSPGFKNPSVEQLLCFFLLPYLQHRRLVLDGVVFLDDPASAPPWALLHRH  
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## Gene Structure



## LOC\_Os08g02160(ONAC049) sequence information

**Genomic sequence length:** 2573 nucleotides

**CDS length:** 1005 nucleotides

**Protein length:** 334 amino acids

Genomic Sequence

> **ONAC049**

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CDS

> **ONAC049**

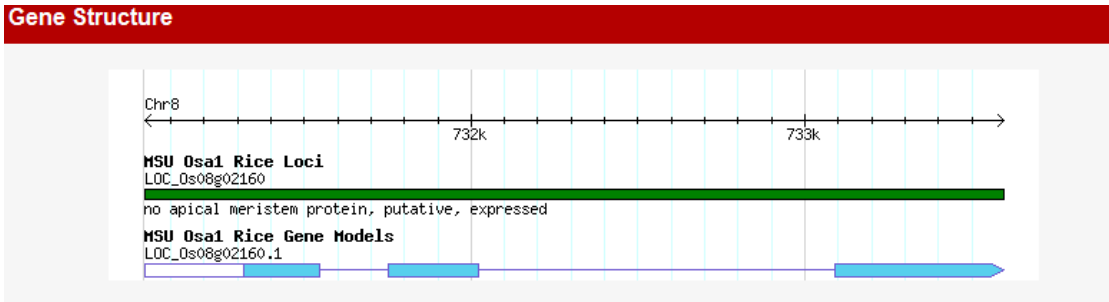
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Protein

> **ONAC049**

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# **LOC\_Os02g38130 (ONAC050) sequence information**

**Genomic sequence length:** 3708 nucleotides

**CDS length:** 1182 nucleotides

**Protein length:** 393 amino acids

**Putative Function:** no apical meristem protein, putative, expressed

## Genomic Sequence

### >**ONAC050**

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 TCTGAACCTCATATTTTGCCCTCAAACCTGGAAAGGAAATGTTATGTGATGGCTTGTTCGG  
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CDS

> **ONAC050**

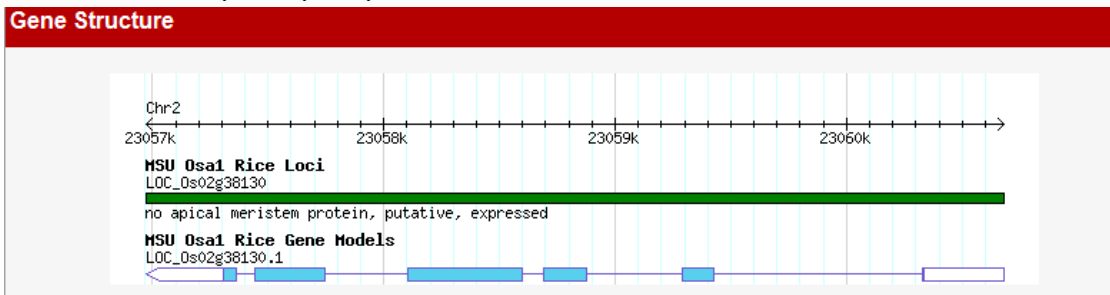
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Protein

> **ONAC050**

MARSWLITGRGVAKKIRNAPHCSSRPISELGAEAQMECPNCKHVIDNSDVAIQWPLPAG  
 VKFDPSDLLEHLEHLEQKIGLGGSKPHTFIDEFIPTIDNDEGICYSHPENLPGMKDGTSG  
 HFFHRVSNAYGCGQRKRKISNCDHVVSVEHVRWHKTGKSKAIVEKGVTKGWKKIMVLYK  
 SSQRGAKPDKANWVMHQYHLGAEDEKDGELVVSISKISYQLHGKQIDKSETGNADEESDAF  
 AARVGPKTPKSNTPQPCRLKNSPCETENYDPILEDQDEEESNIPIVSLKDDAGNPAWCAG  
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**LOC\_Os02g41450 (ONAC051) sequence information**

**Genomic sequence length:** 3087 nucleotides

**CDS length:** 759 nucleotides

**Protein length:** 252 amino acids

Genomic Sequence

> **ONAC051**

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CDS

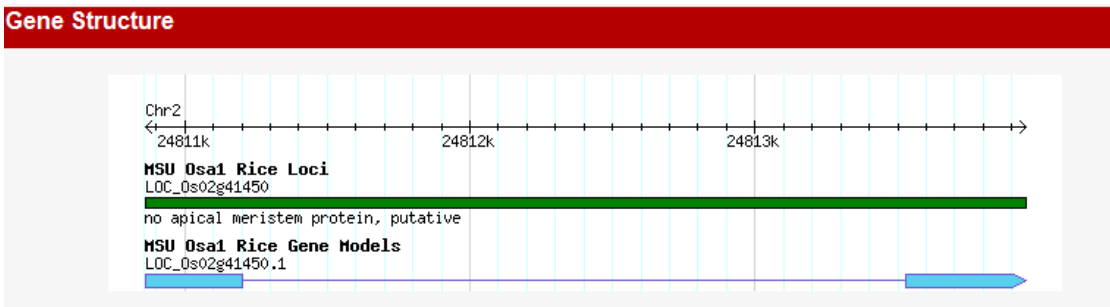
> **ONAC051**

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Protein

> **ONAC051**

MRVFVLSKFIVVAICAYTNAEVAKLTASEWYFFSFRDRKYATGSRTNRATKTGYWKATGK  
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**LOC\_Os02g42970 (ONAC052) sequence information**

**Genomic sequence length:** 1480 nucleotides

**CDS length:** 1113 nucleotides

**Protein length:** 370 amino acids

**Putative Function:** NAC domain containing protein, putative

Genomic Sequence

> **ONAC052**

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CDS

> **ONAC052**

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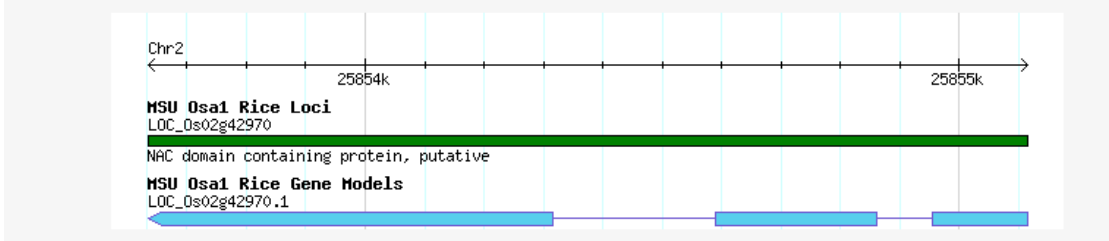
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Protein

> **ONAC052**

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ASTSAGSGGGEADLWK\*

**Gene Structure**



**LOC\_Os03g02800 (ONAC054) sequence information**

**Genomic sequence length:** 4559 nucleotides

**CDS length:** 1953 nucleotides

**Protein length:** 650 amino acids

Genomic Sequence

> **ONAC054**

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CDS

> **ONAC054**

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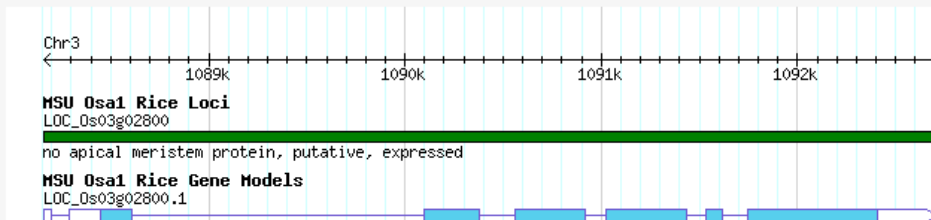
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#### Protein

#### > ONAC054

MAPVSLPPGFRFHPTDEELIIYYLKRKINGRQIELEIIPEVDLYKCEPVDLPEKSFLPSK  
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 GSRTDWMHEYRLDERECETDTGLQDAYALCRVFKKTAPGPKIIIEHYGVVHHHVEQPQWM  
 TSSIDRSPTLDVSCDGRGDDFESSFSFPTETPMDSMHGGFGMQMSAPHEDGKWMQFLSE  
 DAFNATNPFLTNPVSANFSLPSKVDVALECARLQHRLTLPPLEVEDFPQDVSLDTKIGI  
 LRSNPNEVDILQEFLSVATASQELINGSTSSYPEMWLGASTSSASYVNELSSLVEMGGVG  
 TSNHHESARLQVEIADMEVFKDEKKRVENLRGVKLVNNDLGEIVVEGDESNPTEDI IAQY  
 PIKVTADNSGEAGHRMTDPTDVGGIDTAPIFSQSQPDFAAGFDDVNPNASFDLYEKVDV  
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 FKALIRDKFLMMRPSHSYQRLGSKETTVNELLQIVSLLLAPKQINGCPTQELVKKKAKE  
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#### Gene Structure



#### LOC\_Os03g01870 (ONAC055) sequence information

**Genomic sequence length:** 1271 nucleotides

**CDS length:** 894 nucleotides

**Protein length:** 297 amino acids

#### Genomic Sequence

#### > ONAC055

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CDS

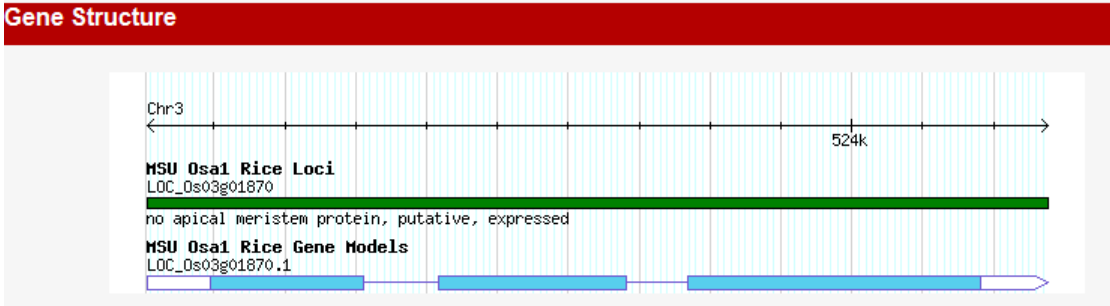
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Protein

> **ONAC055**

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# **LOC\_Os03g03540 (ONAC056) sequence information**

**Genomic sequence length:** 2656 nucleotides

**CDS length:** 1101 nucleotides

**Protein length:** 366 amino acids

Genomic Sequence

## > **ONAC056**

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CDS

> **ONAC056**

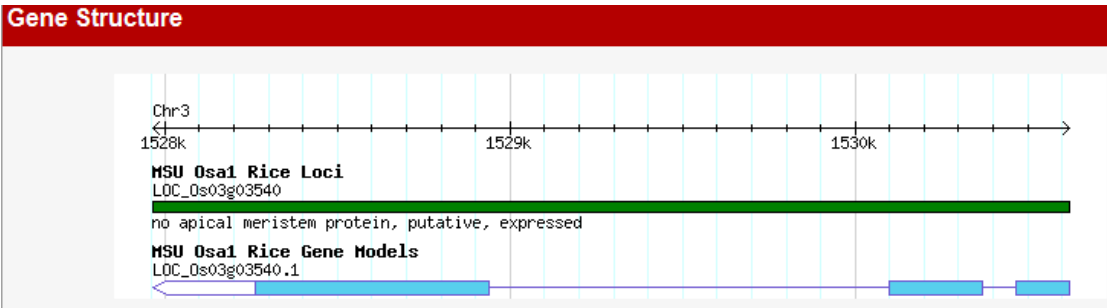
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Protein

> **ONAC056**

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### LOC\_Os03g12120 (ONAC057) sequence information

**Genomic sequence length:** 7501 nucleotides

**CDS length:** 2661 nucleotides

**Protein length:** 886 amino acids

**Putative Function:** no apical meristem protein, putative, expressed

Genomic Sequence

#### > ONAC057

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CDS

> **ONAC057**

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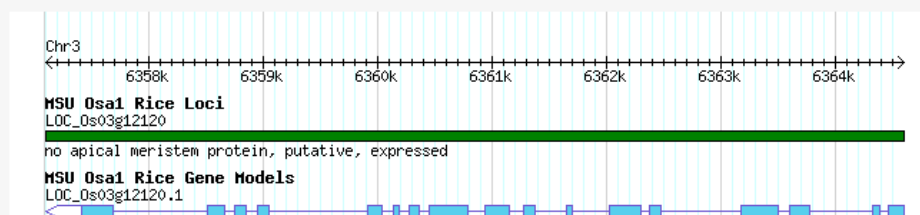
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#### Protein

#### > ONAC057

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#### Gene Structure



#### LOC\_Os03g21060 (ONAC058) sequence information

**Genomic sequence length:** 2457 nucleotides

**CDS length:** 1179 nucleotides

**Protein length:** 392 amino acids

**Putative Function:** No apical meristem protein, putative, expressed

#### Genomic Sequence

##### > ONAC058

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CDS

> **ONAC058**

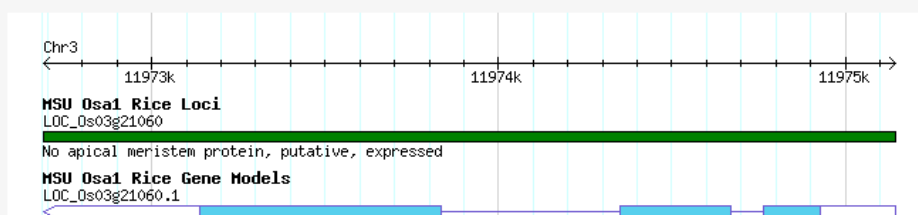
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Protein

> **ONAC058**

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**Gene Structure**



**LOC\_Os01g64310 (ONAC059) sequence information****Genomic sequence length:** 2010 nucleotides**CDS length:** 771 nucleotides**Protein length:** 256 amino acids

Genomic Sequence

> **ONAC059**

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> **ONAC059**

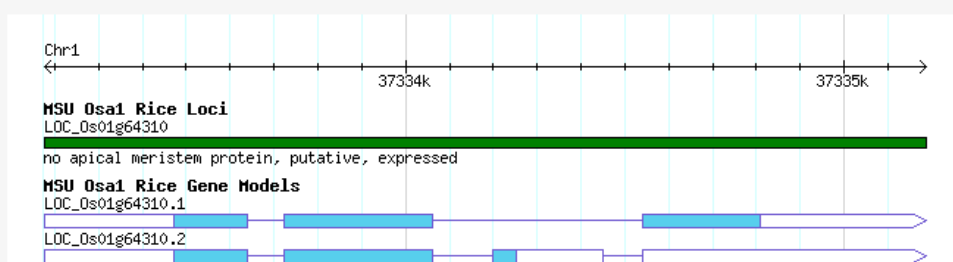
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Protein

> **ONAC059**

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**Gene Structure**



**LOC\_Os12g41680 (ONAC060) sequence information**

**Genomic sequence length:** 5610 nucleotides

**CDS length:** 1002 nucleotides

**Protein length:** 333 amino acids

Genomic Sequence

> **ONAC060**

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CDS

> **ONAC060**

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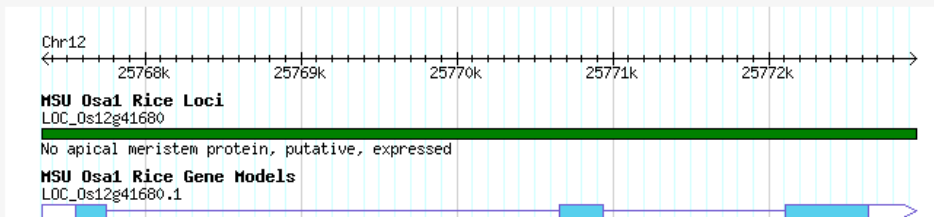
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Protein

#### > ONAC060

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#### Gene Structure



#### LOC\_Os10g21560 (ONAC061) sequence information

**Genomic sequence length:** 5134 nucleotides

**CDS length:** 1182 nucleotides

**Protein length:** 393 amino acids

Genomic Sequence

#### > ONAC061

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CDS

> **ONAC061**

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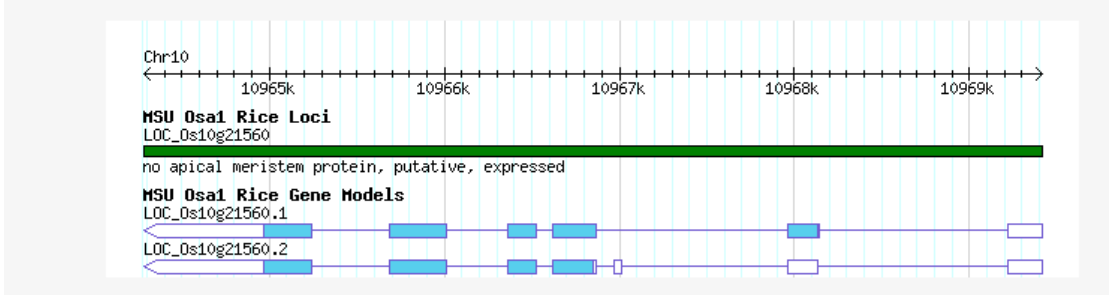
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Protein

> **ONAC061**

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Gene Structure



**LOC\_Os05g48850 (ONAC062) sequence information**

**Genomic sequence length:** 1837 nucleotides

**CDS length:** 945 nucleotides

**Protein length:** 314 amino acids

Genomic Sequence

> **ONAC062**

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CDS

> **ONAC062**

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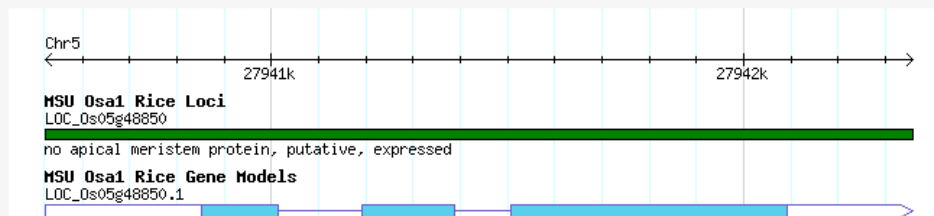
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#### Protein

##### > ONAC062

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#### Gene Structure



#### LOC\_Os08g33910 (ONAC063) sequence information

**Genomic sequence length:** 2025 nucleotides

**CDS length:** 1158 nucleotides

**Protein length:** 385 amino acids

Genomic Sequence

##### > ONAC063

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CDS

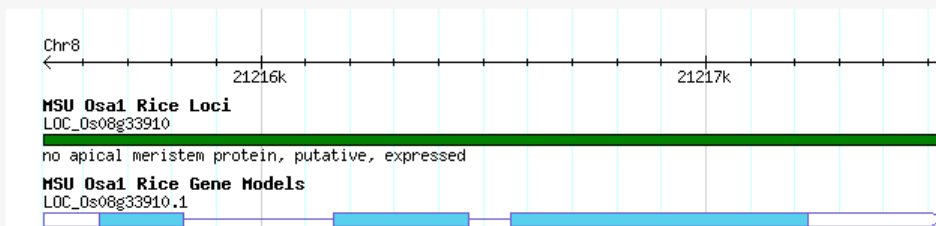
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Protein

> **ONAC063**

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**Gene Structure****LOC\_Os03g39050 (ONAC064) sequence information**

**Genomic sequence length:** 1442 nucleotides

**CDS length:** 1329 nucleotides

**Protein length:** 442 amino acids

## Genomic Sequence

> **ONAC064**

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CDS

> **ONAC064**

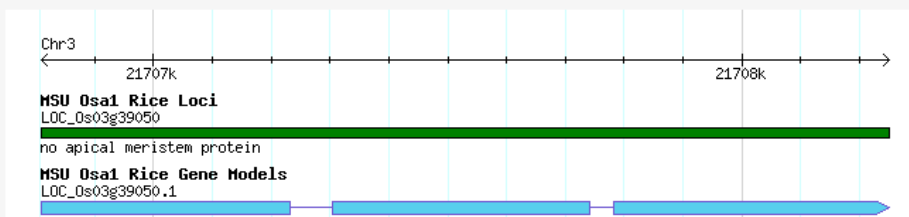
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Protein

> **ONAC064**

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## Gene Structure



## LOC\_Os07g27330 (ONAC065) sequence information

**Genomic sequence length:** 2716 nucleotides

**CDS length:** 2331 nucleotides

**Protein length:** 776 amino acids

## Genomic Sequence

## &gt; ONAC065

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CDS

> **ONAC065**

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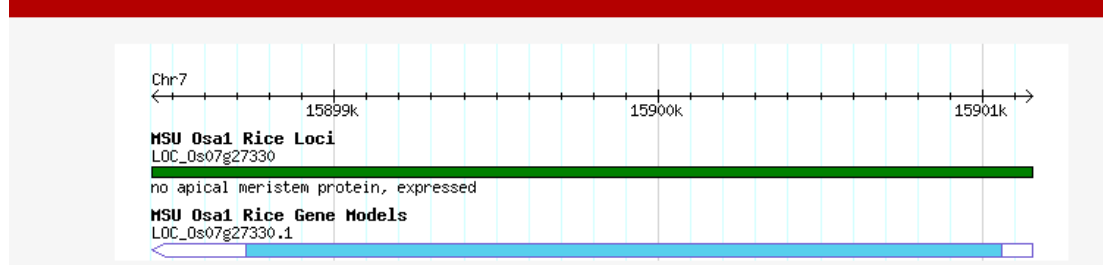
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Protein

#### > ONAC065

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#### Gene Structure



#### LOC\_Os03g56580 (ONAC066) sequence information

**Genomic sequence length:** 2292 nucleotides

**CDS length:** 1089 nucleotides

**Protein length:** 362 amino acids

## Genomic Sequence

## &gt;ONAC066

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## CDS

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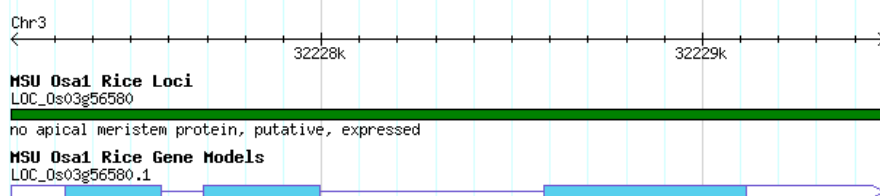
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Protein

#### > **ONAC066**

MVTSKEFARDQAAMDQKIKSDVGEVVLAGEEEDGDVVLPGFRFHPTDEELVTFYLRRKV  
 ARKSLSIEI IKEMDIYKHDPWDLPNASTVGGEKEWYFFCLRGRKYRNSIRPNRVTGSGFW  
 KATGIDRPIYSAAVNSNSGESIGLKKSLVYYRGSAGKGTCTDWMHEFRLPPAIAAADAS  
 PCMQEAEVWTICRIFKRSITYRKQQQQQAWRPPATVTVKAPPPGDSSSNTGSFESDGGGD  
 EFMNCGLTPAISQQQQHGGRRHQMSTMSCNGGYFFNDG IHHSHSHHKLHSQWGS LQMAPP  
 EPKPEPEQKPLSSPAMTIAFHQNDHGFPAAADFYKDGYLEE IARMMEVADPSPTGFYDC  
 RY\*

#### Gene Structure



#### **LOC\_Os03g39100 (ONAC069) sequence information**

**Genomic sequence length:** 1503 nucleotides

**CDS length:** 1503 nucleotides

**Protein length:** 500 amino acids

## Genomic Sequence

> **ONAC069**

ATGGCGGGCGCGGATGGGCTCCTTCCCGGCCTCAGGTTTCGACCCTAGCGACGACGAGCTC  
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 CGCAAGTATGTGTTGAGCTTCTTCGCCGAGGGTGAACGGGGCAGCTCGGGCTGGGTTATG  
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## CDS

> **ONAC069**

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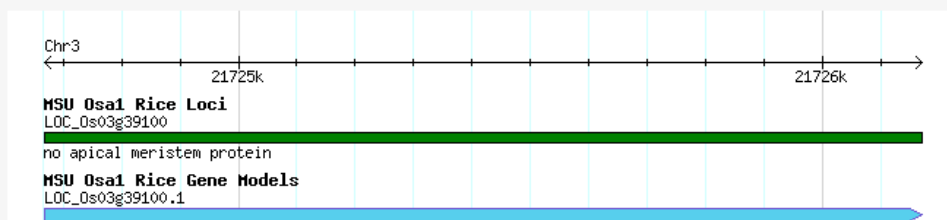
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 TAG

#### Protein

##### > ONAC069

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 DDTSCLDLDFMDELFSMPAD\*

#### Gene Structure



#### LOC\_Os02g57650 (ONAC070) sequence information

**Genomic sequence length:** 4088 nucleotides

**CDS length:** 1899 nucleotides

**Protein length:** 632 amino acids

#### Genomic Sequence

##### > ONAC070

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CDS

> **ONAC070**

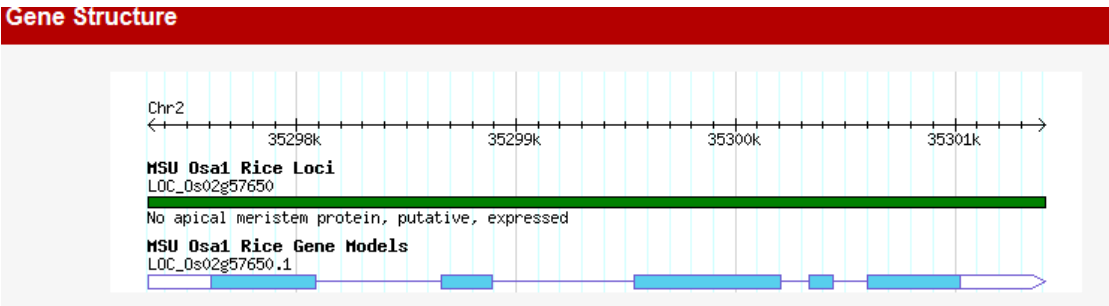
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Protein

> **ONAC070**

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**LOC\_Os03g59730 (ONAC071) sequence information**

**Genomic sequence length:** 2624 nucleotides

**CDS length:** 1491 nucleotides

**Protein length:** 496 amino acids

Genomic Sequence

> **ONAC071**

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> **ONAC071**

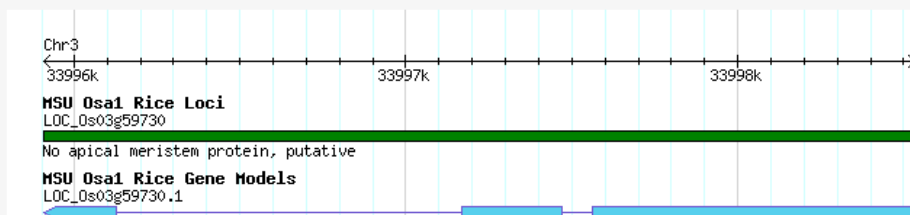
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#### Protein

#### > ONAC071

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#### Gene Structure



**LOC\_Os09g32260 (ONAC072) sequence information****Genomic sequence length:** 2818 nucleotides**CDS length:** 1059 nucleotides**Protein length:** 352 amino acids

## Genomic Sequence

> **ONAC072**

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> **ONAC072**

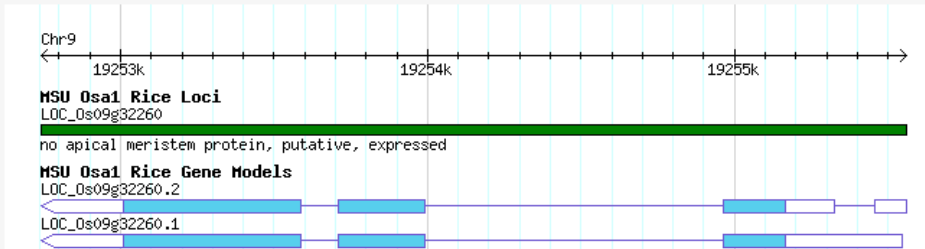
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Protein

> **ONAC072**

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## Gene Structure

**LOC\_Os01g48130 (ONAC073) sequence information****Genomic sequence length:** 4674 nucleotides**CDS length:** 1008 nucleotides**Protein length:** 335 amino acids

## Genomic Sequence

> **ONAC073**

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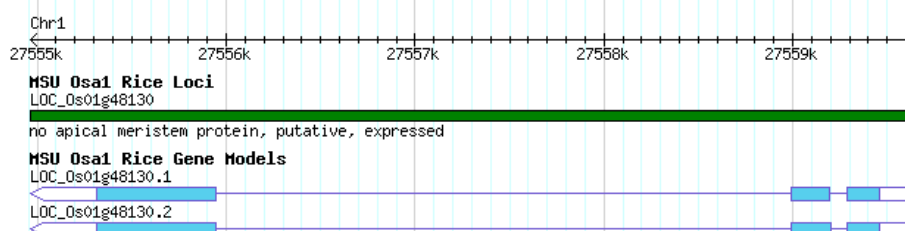
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#### Protein

##### > ONAC073

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#### Gene Structure



**LOC\_Os01g66490 (ONAC075) sequence information****Genomic sequence length:** 2623 nucleotides**CDS length:** 1359 nucleotides**Protein length:** 452 amino acids

## Genomic Sequence

> **ONAC075**

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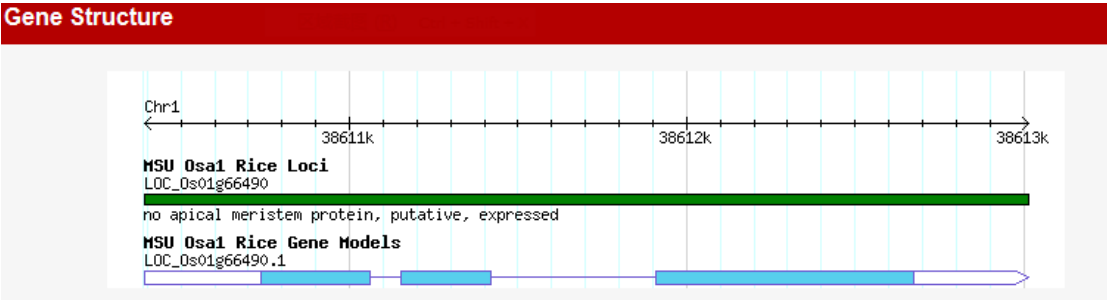
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Protein

> **ONAC075**

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CGGYLQNSSMASAAGGDQQQFQQDFAAALYQQYSKNTSGAFASYSLNLVNAASMGSS  
AAAIDELSSLVGHGTPSYINPAAGSHNYSQFLHLPTTPSSHQPTPAPLGTTTAAAAATLP  
MSLAASFSDRIWDWNNPIPEAGGRDYSTSTGFK\*



**LOC\_Os03g61249 (ONAC076) sequence information**

**Genomic sequence length:** 951 nucleotides

**CDS length:** 951 nucleotides

**Protein length:** 316 amino acids

**Putative Function:** RD26, putative

Genomic Sequence

> **ONAC076**

ATGGCCGACGACGACGAGATCGCTCTTGAGCCAGGCTACGTCTTCCACCCTTCCGACGAC  
GGCCTCATCACCTCTTCTCCGCCCCAGCATCGCCAAGATCCCCTTCGAGGACCGCCTC  
ATCAACCACGCCGACGTCTACTCCGCCAATCCGGCCGAGCTCGTCGGCGAGCACAGACCG  
GCGCCGGGCACCCATGGGAGCAGCAGCGTCTGGTACTTCTTCTGCTCCCCGCGCTTACC  
AGCAAGCGCAAGACCTCCGGGAGGCGGCAGCGCGCGGTTCGGCGGCGGCGGCGGCGGCGAG  
AGCGTGTGGAAGTCGGAGGGCGGCAAGAAGGCCGTGATCGGCGCCGATGGCCGCCGCGTC  
GGGTACCTCCAGAAGTTCTCCTATGGCGTCTACGAGTCGTCGTCGTCGGGGTCGGCGCGC  
ACGTTACGAGGCTAGGGTGGTGCATGACGGAGTACGGCCTCGACGACGACGCCATCGAC  
GGAGCAGACAAGCAGGTGCTCTGCAAGGTCTACCGCTCGCCGCGCGCGGTCTGCGCGGAG  
GCGCGCACGGCGGCGGCGGCGGAAGTCGGCCGATTCCGCATGCTCCGGCTCGAAGAGGAAG  
GCGGACGACGGCGCGGATCACCCGGAGGCGCCCGCCAGCGCGCGGCCGCGGCAAGAGGAG  
GCCGGGAGCGAGCAGCCGGCGATCCTGCCGAGTTGGACCTGGATGCGTTGCTGTCGGCG  
CCGATGGACGACAGTTTGGGAGTGGAATTCGACACGGCCACGACGAGCAGTACATGAGG  
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GACGAATTCATCGAGACGACGAACGGACCTTGCATGGGCGAAGAGGAGATCATCCAGCGG  
CTGGCTTCCGGAGAAAACCTCGACGACATTCTTGGCTCGAACCCTAATTAA

CDS

> **ONAC076**

ATGGCCGACGACGACGAGATCGCTCTTGAGCCAGGCTACGTCTTCCACCCTTCCGACGAC  
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ATCAACCACGCCGACGTCTACTCCGCCAATCCGGCCGAGCTCGTCGGCGAGCACAGACCG  
GCGCCGGGCACCCATGGGAGCAGCAGCGTCTGGTACTTCTTCTGCTCCCCGCGCTTACC  
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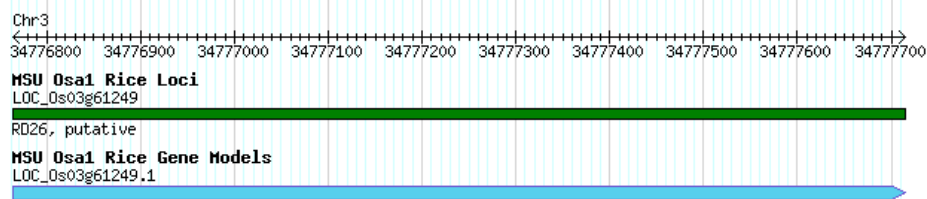
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 GCCGGGAGCGAGCAGCCGGCGATCCTGCCGGAGTTGGACCTGGATGCGTTGCTGTCGGCG  
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 TATCTGATGAACGACGAGCCATTGCCGTGGGCTCCGACGATGGAGGTTGCCGGCGGCGGA  
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Protein

#### > ONAC076

MADDEIALEPGYVFHPSDDGLITLFLRPSIAKIPFEDRLINHADVYSANPAELVGEHRP  
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 GYLQKFSYGVYESSSSGSARTFTRLGWCMEYGLDDDAIDGADKQVLCKVYRSPRAVCAE  
 ARTAAAKSADSPCSGSKRKADDGADHPEAPP SARPRQEEAGSEQPAILPELDDLALLSA  
 PMDDSLGVEFD TATTEQYMR YLMNDEPLWAPTMEVAGGGDEFIETTNGPCMEEEE IQR  
 LASGETLDDILGSNPN\*

#### Gene Structure



#### LOC\_Os03g61319 (ONAC077) sequence information

**Genomic sequence length:** 951 nucleotides

**CDS length:** 951 nucleotides

**Protein length:** 316 amino acids

**Putative Function:** RD26, putative

Genomic Sequence

#### > ONAC077

ATGGCCGACGACGACGAGATCGCTCTTGAGCCAGGCTACGTCTTCCACCCTTCCGACGAC  
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 ATCAACCACGCCGACGTCTACTCCGCCAATCCGGCCGAGCTCGTCGGCGAGCACAGACCG  
 GCGCCGGGACCCATGGGAGCAGCAGCGTCTGGTACTTCTTCTGCTCCCCGCGCTTACC  
 AGCAAGCGCAAGACCTCCGGGAGGCGGCAGCGCGCGGTGCGCGGCGGCGGCGGCGGCGAG  
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 ACGTTACGAGGCTAGGGTGGTGCATGACGGAGTACGGCCTCGACGACGACGCCATCGAC

GGAGCAGACAAGCAGGTGCTCTGCAAGGTCTACCGCTCGCCGCGCGCGGTCTGCGCGGAG  
 GCGCGCACGGCGGCGGCGGCGGAAGTCGGCCGATTGCCATGCTCCGGCTCGAAGAGGAAG  
 GCGGACGACGGCGCGGATCACCCGGAGGCGGCCCGCCAGCGCGCGGCCGCGGCAAGAGGAG  
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 CCGATGGACGACAGTTTGGGAGTGGAATTCGACACGGCCACGACGGAGCAGTACATGAGG  
 TATCTGATGAACGACGAGCCATTGCCGTGGGCTCCGACGATGGAGGTTGCCGGCGGCGGA  
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CDS

> **ONAC077**

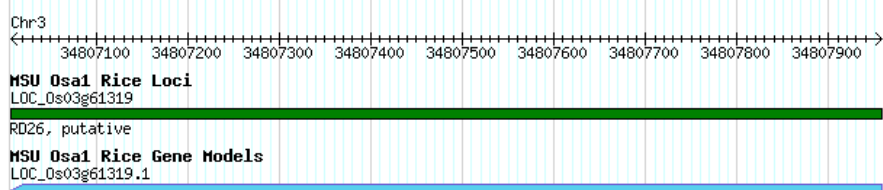
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 TATCTGATGAACGACGAGCCATTGCCGTGGGCTCCGACGATGGAGGTTGCCGGCGGCGGA  
 GACGAATTCATCGAGACGACGAACGGACCTTGCATGGGCGAAGAGGAGATCATCCAGCGG  
 CTGGCTTCCGGAGAAACCCTCGACGACATTCTTGGCTCGAACCCTAATTAA

Protein

> **ONAC077**

MADDDEIALEPGYVFHPSDDGLITLFLRPSIAKIPFEDRLINHADVYSANPAELVGEHRP  
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 GYLQKFSYGVYESSSSGSARTFTRLGWCMTGYGLDDDAIDGADKQVLCKVYRSPRAVCAE  
 ARTAAAKSADSPCSGSKRKADDGADHPEAPPSARPRQEEAGSEQPAILPELDLDALLSA  
 PMDDSLGVEFDATTEQYMRYLMNDEPLPWAPTMEVAGGGDEFIETTNGPCMEEEEIIQR  
 LASGETLDDILGSNPN\*

**Gene Structure**



**LOC\_Os03g62470 (ONAC078) sequence information**

**Genomic sequence length:** 396 nucleotides

**CDS length:** 396 nucleotides

**Protein length:** 131 amino acids

Genomic Sequence

> **ONAC078**

ATGGACGACGACGAGATCGCTCTGGAGCCAGGCTACGCTTTCGGCCCTTCCGACGACGGC  
CTCATCACCTCTTCTCCGCCCAAGATCGCCAAGATCCCCTTCGAGCACCGCCTCATC  
AACCACGCCGACGTCTACTCCGCCGATCCGACGGAGCTCGTCGGCGAGCACAGACCGGCG  
CCGGGAACCCATGGGAGCGGCAGCGTCTGGTACTTCTTCTGCTCCCCGCGCTACACCAGC  
AAGCGCAAGGCCCTCCGGGAGGCGGCAGCGCGCGGTTCGGCGGCGAGAGCGTGTGGAAGTCG  
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CDS

> **ONAC078**

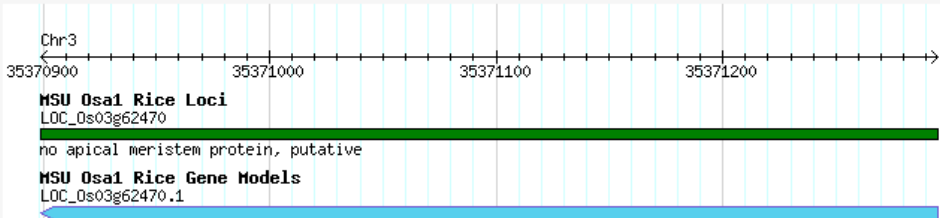
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CCGGGAACCCATGGGAGCGGCAGCGTCTGGTACTTCTTCTGCTCCCCGCGCTACACCAGC  
AAGCGCAAGGCCCTCCGGGAGGCGGCAGCGCGCGGTTCGGCGGCGAGAGCGTGTGGAAGTCG  
GAGGGCGGCAAGAAGGCCGTGATCGGCGCCGATGGCCGCCGCGTCGGGTACCTCCAGAAG  
TTCTCCTATCACTACACTGGTCAAGGTCACCTGTGA

Protein

> **ONAC078**

MDDDEIALEPGYAFRPSDDGLITLFLRPKIAKIPFEHRLINHADVVSADPTELVEHRPA  
PGTHGSGSVWYFFCSPRYTSKRKASGRRQRAVGGESVWKSEGGKKAIVIGADGRRVGYLQK  
FSYHYTGQGHL\*

**Gene Structure**



**LOC\_Os04g35660 (ONAC079) sequence information**

**Genomic sequence length:** 1087 nucleotides

**CDS length:** 603 nucleotides



**Protein length:** 200 amino acids

**Putative Function:** no apical meristem protein, putative, expressed

#### Genomic Sequence

##### > ONAC079

GCAAGCACCTGCTCTCATCTTCTCCCCGTAGCCTTAGCTTCCACCCGCCTGCCTAGTCTA  
TCTACTTCTTCTGCCTTACACTTCACCTCAGCCATGGCTGGAGCTTCCAACCTTCCTCCC  
GGTTTCCACTTCTTCCCGTCAGATGAAGAGCTCATCATTTCATTTCTCCGCCGCAAGGCC  
TCCCTCCTCCCTTGCCAACCTGACATCGTCCCTACTCTGATCTTGAATCTCTATGATCCA  
TGGGAATTGAATGGTATGGGTCTAATATTTACCTCTATATGTTGTTGTTTTGTCTTAGT  
CATAGCTGAGTGTTGATGTCAAACATTTTTACAGGTAAAGCACTCCAATCCGGTAACCAA  
TGGTACTTCTTCAGTCATGCGACGCAGACTAGGACCTCGCCAAATGGGCACTGGAAACCC  
ATTGCTGATGAGACAGTTATTAGTGGTGGTTGTAATGTTGGCCTGAAGAAGACCCTCATT  
TTCTTCATTGGGGAGCCCTTTGAGGCGATCAAACTAACTGGGTCATGCATGAGTACCAC  
CTAATGGATGGGAGTACCAATTGCAGCAGTAGCAGTACTTCAAGCAGTTCAAGCAAGCGG  
TCCCACAAGAAAAAAGGTCACTCAGACACAGTGAGTGCTGTACTGCTATATGCGTGTTTA  
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CATGCATGATCATTGCAGGAATCCAAGAACTGGGTGATATGCCGAGTGTTTCAATCGAGT  
TATGATTACAAGTGAGCTTCCATGAGGAGGGCACGGAAGTGCATGCTTAGATGAGGTG  
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AGAAACTTAGTTTTATAAGATCAAAATGGTTTGATAGCTGTTGAACCTAATGATCTAATA  
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#### CDS

##### > ONAC079

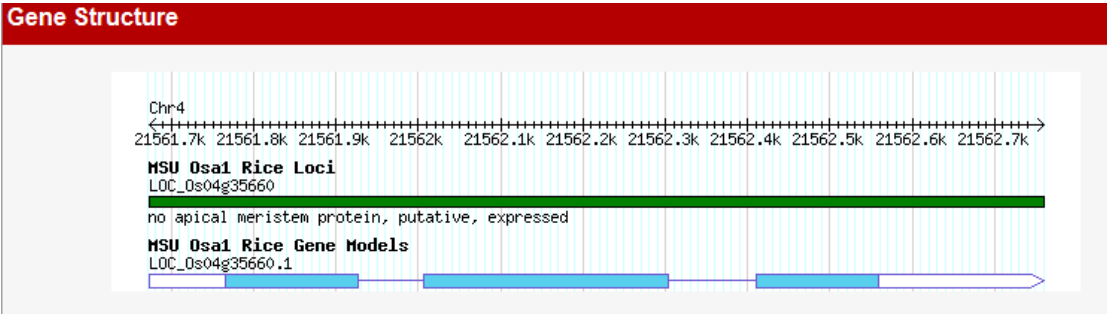
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CGAGTGTTTCAATCGAGTTATGATTACAAGTGAGCTTCCATGAGGAGGGCACGGAAGT  
TCATGCTTAGATGAGGTGTTTCTATCCCTAGACGACTATGATGAAGTCAGTTTTGCCAAA  
TAA

#### Protein

##### > ONAC079

MAGASNLPPGFHFFPSDEELIIHFLRRKASLLPCQPDIVPTLILNLYDPWELNGKALQSG  
NQWYFFSHATQTRTSPNGHWKPIADETVISGGCNVGLKKTLIFFIGEPFEAIKTNWVMHE

YHLMDGSTNCSSSSSTSSSSSKRSHKKKGHSDTESKNWVICRVFESSYDSQVSFHEEGTEL  
SCLDEVFLSLDDYDEVSFAC\*



**LOC\_Os04g39960 (ONAC080) sequence information**

**Genomic sequence length:** 849 nucleotides

**CDS length:** 849 nucleotides

**Protein length:** 282 amino acids

**Genomic Sequence**

**> ONAC080**

ATGGCGTCTTCCGCCCATATGGCTGCCGTGCTGAACCTGCCCTGGGGCTACCGCTCCGC  
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GCGATCCCCCTTCGAGCCGCGGCGCCACGTGTTTGGGCGGGACGAGGTGCGCGCCTACTTC  
TTCGGGGACCAAGCCACGACAGCCGGGGCCGCGAGGTGCCCGGAGGTGCATGGCTTCCG  
TGCGGCGGCGGCGACAAGGCGTACTCCGGCGGCGCGGACGGCGGGAGGCGGTCGCGTAC  
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GCGACGCCGCGCGGCCGAGATGGCGGATGAAGGAGTACCGGCTCAACAAGAGCGCCGCC  
GAGTTCCGCGCGCGTACGCGCAGCCCAACCCCAAGGCGAACATGGACTGCGTGGTCCGC  
GAGATCTACAGAAAGGCGGTGCCACCTCCAACGCCACCGTCCGGCCGCTCCGGCGACGAG  
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**CDS**

**> ONAC080**

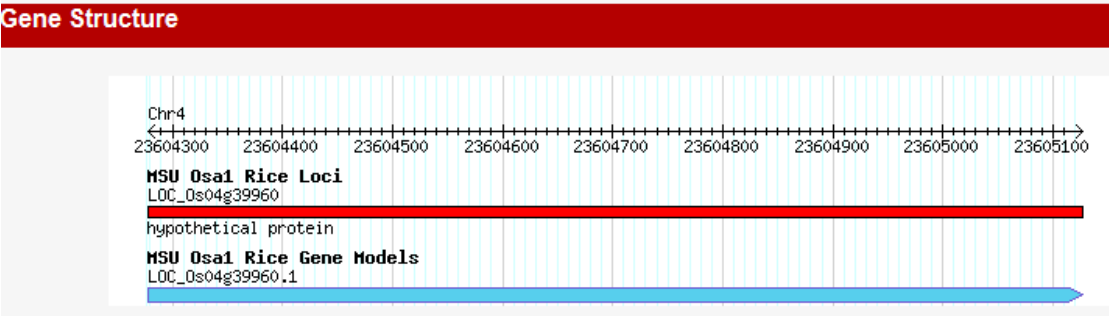
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GAGCCCTGA

Protein

> **ONAC080**

MASSAHMAAVLNLPGYRFRPSDRQIIANYLGPMIAIHGADSLPQRGDVVEGVDFVATRPA  
AIPFEPRRHVFRDEVRAIFFGDQPTDSRGREVPGGAWLPCGGGDKAYSGGADGGEAVAY  
RRKYEFRAANEEADRAGEEAATPARPRWRMKEYRLNKSAAEFRRAYAQPNNKANMDCVVR  
EIYTKAVPPPTPPSGRSGDEEMQEGSDYSVMDEDELVDYLLQGFEDGNFDEDQDQPAAAE  
DGDYSDEDEDQPAAEDGDYSDEDQDQPAAEDGDYSDEDEP\*



**LOC\_Os04g40140 (ONAC081) sequence information**

**Genomic sequence length:** 4064 nucleotides

**CDS length:** 627 nucleotides

**Protein length:** 208 amino acids

Genomic Sequence

> **ONAC081**

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CAAGGTGAGCATCGGGGGTGGGGGTTTCTCCGATCGATCGGGGTGTGGCCTGGTTTGGTT  
TAATCGGTTCTTTTTTCTGGGGGTGGTTTCTTCCTTCGCTTTTCTTCTGTTTCGTTTCG  
AAGGGCTAGTTTTTTTTTTAATCCTCTCTCTCTTCTCTTTTCCGTGTCTGATGAGCGGA  
TCGATTTGGGGATTTTCGCTCCGCCAGCTGGCTCGTGGTTCCGGGTTGACCTGAGGAGGT  
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GACCTTTTCAGCTGGGAAGTAAGTGTGCTTTGCTCGTAATACTCCTTTCTTTTCTGACT  
TATATTTTGTACGGTTAAGAACAAAATCTGATTTGCCTTTCCTGAATTGAATTTCTTGC  
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CDS

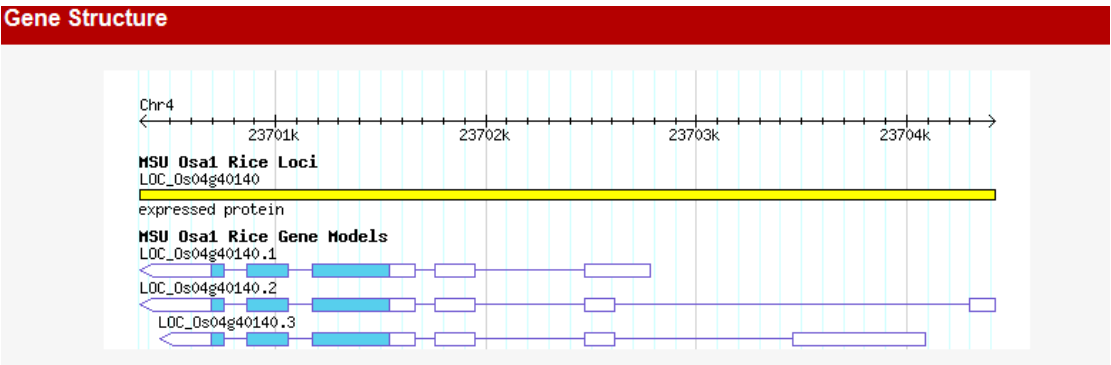
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CATGATCAGGAGGGGGAATGCAGCACATCCACTCTCCGGCCCATGGTAGAAGCTGGAAAC  
CGTGACGGGTGTTCTGCTGGAGCGTCAACAGCCGGGGACTTCAACGAAGATCTGCTGCAG  
CGCTGCGAGTTTCCGGAGGACCCCGTCCCAACTCTTGATGACACGCTGCCTTTTCTTTAC  
ACGGACGAAACGGACCTTTTTCAGCTGGGAAGATTTTCAATTTCGGGTTCGCAGGAAAGCTTC  
GGCTGGGTGGATGGGGATCACACGTAA

Protein

> **ONAC081**

MAQNWKIQQIYHNGVLKGWKKILVLYKGSKKNKIVQANWVMHQYNLGVEEGGEDGELVVS  
KVIFYQLSSKQTGTPEMDSVTEEASDALTIKSDPITPITNPPLPRCLMNSPCDTEQNGTIS  
HDQEGECSTSTLRPMVEAGNRAGCSAGASTAGDFNEDLLQRCEFPEDPVPTLDDTLPLFLY  
TDETDLFSWEDFQFGSQESFGWVDGDHT\*



**LOC\_Os04g45340 (ONAC082) sequence information**

**Genomic sequence length:** 2352 nucleotides

**CDS length:** 579 nucleotides

**Protein length:** 192 amino acids

Genomic Sequence

> **ONAC082**

CTCATGCGATCGATATAGCTGCTCCATCCGTTTGAAGGCTGGCTGCTGCTGGCCGAGGGA  
GGCGCTGCATGCTGCTGCAAGCTACGAAGCAGTAGCAATTGCAGGCGCGCGGCACAAGG  
TAAGAGACGGCTCGTCCATTTCCAACCCGTGGTTTTCTGCTTGATCGATGATGCTAGCTT  
GTTTTACCTTTTGTGTTTACCGCGCACTGTGCGCGCGTGCTGAAGTGGGGTACGTGCT  
GCGTGATTAGCGATGTCTTTTCTTCCGTCTTCGTGGGTACAAGGTTTCGCGAGTCCCTAGG  
GCCTAGGTGTGTGCACTGTGCTTTGTTCGGATAGGACGGCGAGCAACTTTAGCTCTCCCTA  
GTTTGCGCTCGGTTTGTAGCTGAACAACCTGAACTCGATGCTCCTGTCTCCTCTATC  
TCGTCTTCTTTTTCACACAAACCGGCAAAGGTTTCATCATGGATGCATAAATGGAAGTGG  
AAGCAAGGATACACCTCCTGTTGATCAAGCTAGTCTTCTATAGGAGTGCAGAAGAGCGAG  
AATCAGCCTCTGGTCAGAGAACTTCACTGGATGAATTTCCGATTCATCTCCTACAAAA  
AGAAAGAACTCCTCAGAATCGTTAGAGAGACCAGCCTCTGGTCAGAGAACTTCACTGG  
ATGAATTTCCGATTCATCTCCTACAAAAAGAAAGAACTCCTCAGAATCGTTAGAGAGA  
CCAGGTGCAAACCGATCGAATGCTTTCTCAATTAAGAAAAGGAGTATTTCTGTGAGATT  
TCCTGATTCTAGCTAGTACTAGTAGACATGAGCTAACGAGAAGTTGGATGCTATATGTTT  
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ACTGAAATATAGCTTCTTATCGTGCATGCAGTTCATATTAACCTTGCTACCAGTTCGGGAG  
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CDS

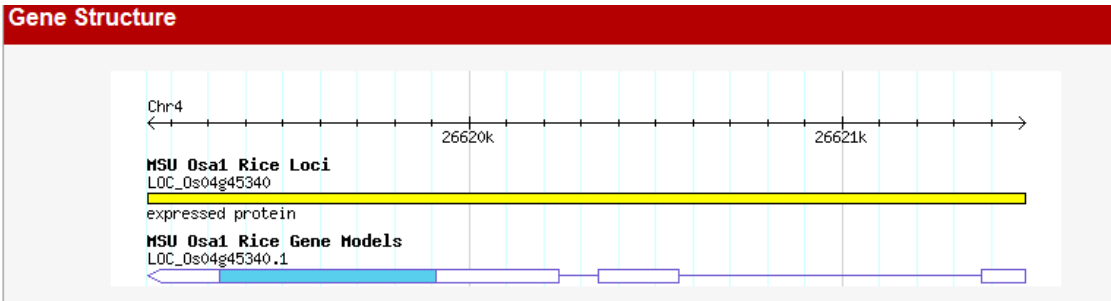
> **ONAC082**

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GCGTTCATGGCGCCGGCGCCAGGCCTCGACTCGCCGTACCATGGCCACCGCCAGAGCCAC  
CCTTGCAAGCTGGAGGTAGAGTATCACCACCACCTCCTTCCTCAGGAGGCGGCGCCGTTT  
ATGCACCTCCCAAGGCTGGAGAGCCCCAAGCTACCGGCCGCGGACATCATTGTCGCCACC  
GCAGCGTCGTCCGCTCTCCAGCCGTGCGGCCACACGACGGCGCAGCAGCTGCAGCTGCAG  
ATCGAGCCGGTCTACGTGACGGCCGATGCGTCGGCAGCAGATTGGAGGGATCTTGACAAG  
CTGGTGGCGTCTCAGTTCGGCCACGGCGACTCGACTGCGAAGGAGCCCAGTTACTGCAAT  
CCGGTGCAAGTGTTCAGGTGAGGGGAAGCAGGAGGATAGCTTGGATTACGTGTCCACG  
TCTGCCTCCTGCGGAGGGGAGGAGGATTTGTGAAATAG

Protein

> **ONAC082**

MLHVQEEGWVVCRVFKKRVAHVQRAAGDGGDSPFWFNEHVAFMAPAPGLDSPYHGHRQSH  
PCKLEVEYHHHLLPQEAAPFMHLPRLESPKLPAAADIIVATAASSALQPCGHTTAQQLQLQ  
IEPVYVTADASAADWRDLKLVASQFGHGDSTAKEPSYCNPVQVFQVEGKQEDSLDYVST  
SASCGGEEDLWK\*



**LOC\_Os04g52810 (ONAC083) sequence information**

**Genomic sequence length:** 3803 nucleotides

**CDS length:** 852 nucleotides

**Protein length:** 283 amino acids

**Putative Function:** no apical meristem protein, putative, expressed

Genomic Sequence

> **ONAC083**

TGTCTTTCTCAAGGGAGAATTAACCATCAAATCAATATATACAATGAGCTTGATCAGCAT  
GATGGAGGCGAACCTGCCGCCGGGGTTCCGGTTCCACCCCAGGGACGAGGAGCTCGTCGT  
GGACTACCTCTACCACAAGCTCTCCGGCGGCGCGAGTTCTACGGCGGCGTGGCCATGGT  
CGACGTCGACCTCAACAAGTGCGAGCCGTGGGAGCTTCCAGGTACGGATCAGATCATCTC

GTGCAAAACTTCAGCTTAATTTTCTTTTCGGAAAGGTGATGGCAGATGCGTATATTGATTA  
 GCTCCGAGCAGCACGAACTGTGTGTGATTAATTAGCTTTGCACCCTCTGCACCGATCCAA  
 TGGTACATGCATAATTGCATAGCAGTCGCATAACCTGAAGAAAGAACTGTGTGATTATTT  
 AACATCTGCAGCTTGCACCCATCCATCTGCAATATCTGATTTTCTTTTTTCAGAAAGGCT  
 ATACAGAACATCCGCAGCCTGCACAATTCAGAAAATGTTTTTTTTTAAAAAAGGATATT  
 CAGAACATATGCAGCTTTGACGAATTCAGGCCAAAAAAAAGACTCAGAAAATGAAGGAA  
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 TTGTCATAAATCACTCTAATTAATAACAAGAGATGCAACCAATAGAATTAAAGATCTTGTG  
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 TCCACAATATCAAGCATCGTACGAACTGTATATATATCTATCTATCTTTACAAGATAATA



TAAACTTCATCCCAACCTGAGGTCACCAAATCTTATTTTAAACACGAATGGTAAGTTAAG  
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TCGTTGTTTTCAGTAATTTTCCCTTTGTAAATTAGCGTGGTTGAATCCTAGTTGTGCTACTG  
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#### CDS

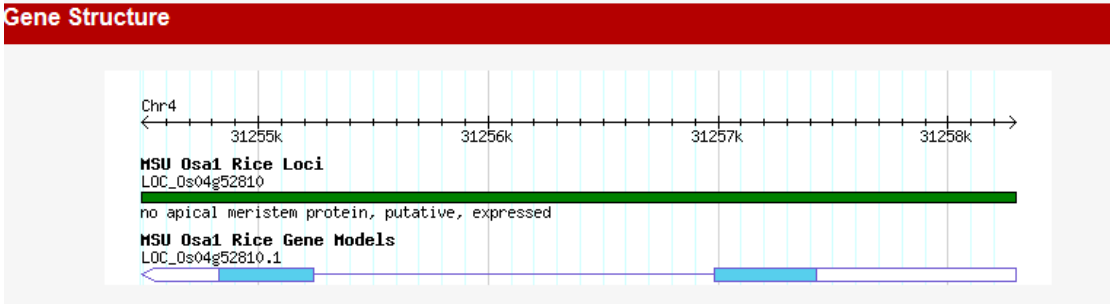
##### > **ONAC083**

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CACGAGTTCGCGTGGACGGACATGCCGTTGCCGACCACCCCTCCTCGTCCACCTCCTCC  
TCCTCATCTAATCTTCTCAAGGAGGACTGGGTGCTGTGCAGGGTGTCTACAAGAGCAGA  
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AGCTTGCCGCCGCCGCTGCCGCCGCCGTTGCCCCCGCGTCGTCGACGGCTACACCGGC  
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CCGCCGTCGGCAGCATTGCCGTTCAAGGACCTGACGGACTTCAGGGACCTGCTGAGCAAC  
ATGGCACAAGGCGGCGGCGGCGGCTGCCGCCCAAGACGGAGGGGTTCCATCTTGGC  
TGGAGCGAGGAGGAGTCCCTCCGGCTACGTGCAGCAGAGCGCCATGGCGTCGACGGCGTGG  
AACCCGTTCTAG

#### Protein

##### > **ONAC083**

MVFFTCHESLAYFLHNLIIFPARARARAAGRRRRREDAARVGATEWYFFSLHDKYATGQR  
TNRATRSGYWKATGKDRAIVTRRRAAAGEAVAGGEVVGMRKTLVfyQGRAPRGSKTEWVM  
HEFRVDGHAVADHPSSSTSSSSSNLLKEDWVLCRVFYKSRTATPRAVVSGEAAVSLSGEL  
SLPPPLPPPVAPAVVDGYTGGGYEQDSSAGYHHHHHRPPPSAALPFKDLTDFRDLLSN  
MAQGGGGGAAAAKTEGFHLGWSEEESSGYVQQSAMASQAWNPF\*



**LOC\_Os04g59470 (ONAC084) sequence information**

**Genomic sequence length:** 858 nucleotides

**CDS length:** 858 nucleotides

**Protein length:** 285 amino acids

**Genomic Sequence**

**> ONAC084**

ATGGAGGAGGAGTGGTGTGTGTGGCGCCGGGATTTCAGGTTCCACCCGACGGAGGAGGAA  
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GAGGTGGATCTTAACAGCATCGAGCCATGGGACCTGCTGCAAGCTCAGCAGCATGATCAG  
GAGTACTACTGCTACTTCTTCAGCTACAAGGACCGCAAGTACCCAGCGCGCGAGGGACG  
GGGACGCGGACCAACCGCGCCACGGCGGCGGGCTTCTGGAAGGCCACGGGCCGTGACAAG  
CCGGTGCTCTCCTCCTCTCGATCATCATCGTCGCCGGCGGTGATCGGCATGAGGAAGACG  
CTCGTCTTCTACCGCGGCCGCGCGCCCAACGGCTGCAAGACCGACTGGATCATCCACGAG  
TACCGCCTCGTCGCCACCATCAGCAGCCGGACGGCAGCTGCTGGGTGGTGTGCCGCGCG  
TTTCAAGGCCACCAACCACCACCCTGCAGCATCAGCTTCACCTGCACAGGCCGGCTCCT  
CTACTTCATCATCCCGGCTACTACGACGACCAATATTTATATCCTCCTCCTGCTGCTGCT  
GCTGGTGGCGGCGGCTTGCTCTGCTCCCCTGCCTTGGACATGGAGTTGGAGGACGAGGAG  
GATGAATCCAAGATGATGATCTTAAGCAATGATAATATTCGCTGGTGGTGAGTCCGACT  
GCCGTACACACACAAGGCACCGCGGCGGACATTATTAACGACGCTACTACCGCGCCTGCT  
GCTGCTGCTGCTGCTGATCATCGTCGACACCTTGCTCCACCACCACCACTTCACTTGTTA  
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**CDS**

**> ONAC084**

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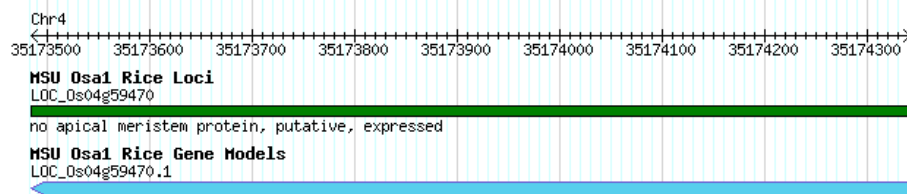
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 GCTAATTCAGTCGATTAA

Protein

> **ONAC084**

MEEEWCCVAPGFRFHPTEELVGYYLARKVVGQQDDGI IQEVDLNSIEPWDLLQAQQHDQ  
 EYYCYFFSYKDRKYPARGTGTRTNRATAAGFWKATGRDKPVLSSSRSSSSPAVIGMRKT  
 LVFYRGRAPNGCKTDWI IHEYRLVAHHQQPDGSCWVVCRAFHKPTTTTLQHQLHLHRPAP  
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**Gene Structure**



**LOC\_Os05g10620 (ONAC085) sequence information**

**Genomic sequence length:** 5420 nucleotides

**CDS length:** 1074 nucleotides

**Protein length:** 357 amino acids

Genomic Sequence

> **ONAC085**

TTGTGCCACACCCTTCAAAAAGTGCTCTCTCTCAAATTTAACTCCCTCCCAATTTCTTC  
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CDS

> **ONAC085**

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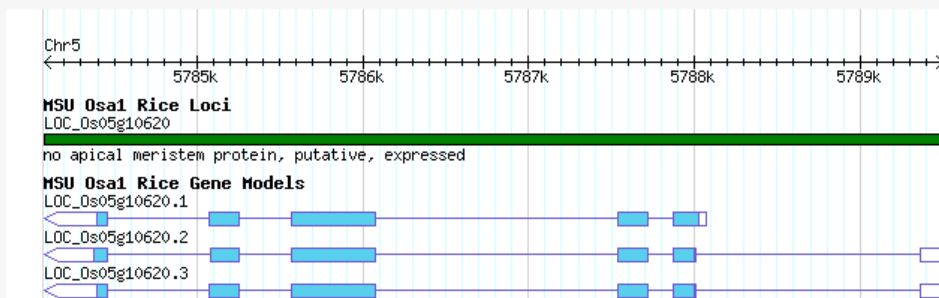
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#### Protein

#### > ONAC085

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 HFFHRSAYPTGTRKRRKVLADQQPDDHPQASKGRNVAAAE TRWHKTGKTREITVRGQP  
 KGCKKILVLYTSFGKKRKAEKTSWVMHQYHLGELDDEKEGELILSKVFYQTQTRSAAAAE  
 APVSSGAAMEVQGGQQQVLKLQADDGHFSSAPTKKRLHQDVVAQVKVDRGHHCPAQRQV  
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#### Gene Structure



#### LOC\_Os05g25960 (ONAC086) sequence information

**Genomic sequence length:** 1704 nucleotides

**CDS length:** 1704 nucleotides

**Protein length:** 567 amino acids

Genomic Sequence

#### > ONAC086

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 GACGAGGCCTTCTTCTTCGCGGAGGCGCATGCCAAGAATGGGAAGGGGAAGCGGCAGAAG  
 CGCACC GTGAGGGCGGCGGATTCTGGCAGGGGCAGAACACGTGCGTCGACGGCGAGAGG  
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CDS

> **ONAC086**

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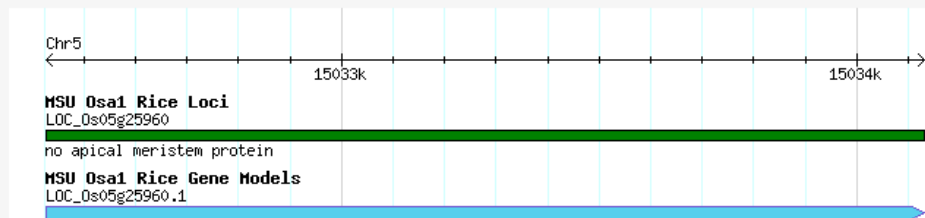
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#### Protein

##### > ONAC086

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 HGDDDGELQCAPPPRMAETALLEERGPLPHPVLGPASVVDQCTDQGSSGVIDDSSLVFR  
 DLPDLIDLPAVEEADASHGAETALLNEHLPLPPPQLFVPPTAVPLDLADDSNGADQNSYG  
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 SCMDFFSTVMSFLDVPIDELLDDLPA\*

#### Gene Structure



#### LOC\_Os05g34600 (ONAC087) sequence information

**Genomic sequence length:** 2694 nucleotides

**CDS length:** 1254 nucleotides

**Protein length:** 417 amino acids

#### Genomic Sequence

##### > ONAC087

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CDS

> **ONAC087**

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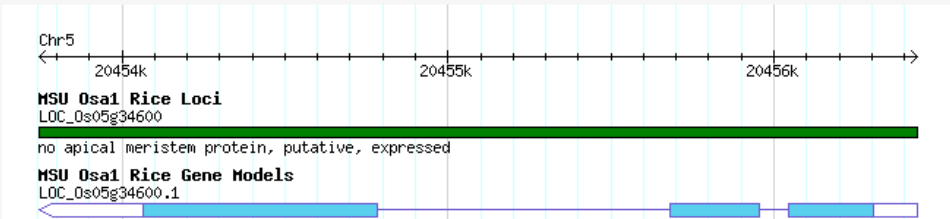
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Protein

> **ONAC087**

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Gene Structure



**LOC\_Os05g34830 (ONAC088) sequence information**

**Genomic sequence length:** 2343 nucleotides

**CDS length:** 969 nucleotides

**Protein length:** 322 amino acids

Genomic Sequence

> **ONAC088**

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CDS

> **ONAC088**

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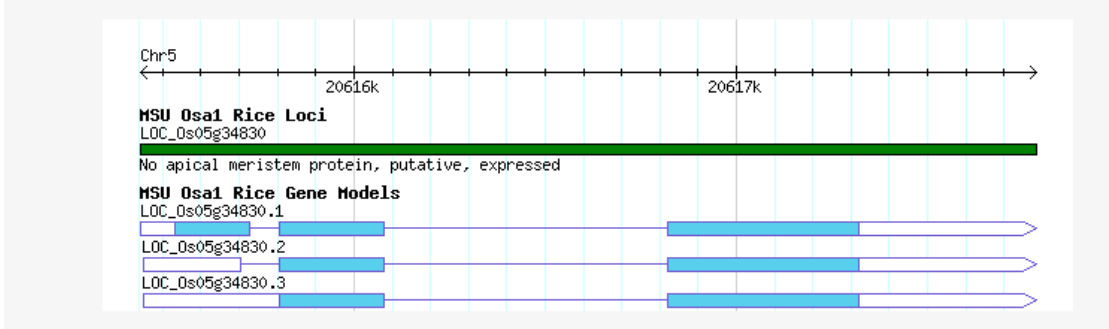
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Protein

> **ONAC088**

MSGGGEGAAAAERQELQLPPGFRFHPTDEELVMHYLCRRACGLPIAVPIIAEVDLYKFDP  
 WHLPRMALYGEKEWYFFSPDRDKYPNGSRPNRAAGSGYWKATGADKPVGTTPRPVAIKKAL  
 VFYAGKAPKGDKTNWIMHEYRLADVDRSARKKNTLRLLDDWVLCRIYNKKGVEKPSGGGG  
 GERSNMMSHGETASAGSPPEQKPAVLPPPPPPYAAAAPFSELAIFYDVRPSDSVPRAHGA  
 DSSCSEHVLTTSSASSGGVVERPEVQSQPKIAEWERTFAGAAAPAGAVSTAGPILQLDPA  
 AAVAGGGDPLLQDILMYWGKPF\*

**Gene Structure**



**LOC\_Os05g43960 (ONAC089) sequence information**

**Genomic sequence length:** 1634 nucleotides

**CDS length:** 1485 nucleotides

**Protein length:** 494 amino acids

Genomic Sequence

> **ONAC089**

ATGGCGGGATTAGGAAAGGGGGAGAGTAGCGGCGGCGGTGGCGGCGGCGGAGGGGAGATG  
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 GTCTACTTCAAGGGCCCCGTCAAGACGGAGAAGAAGACCAAGTGGCTGATGCGCGAGTTC  
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 CAGGTCAGCCGCCTCTTGTTCTTGTGTTTTTTTTTTGGGTTAATCGCTGTAGCTCAAAT  
 CGAGCTTGTCTTGACGCGGCAGCTGGATCAGTACGTGTTGTGCAGGATTTACACGTCGC  
 CGAAGAAAGGCGCAGACGACGGCGAGCAAGCCGAAGTCGTCCGCGGCGGCGGCGGCGGCG  
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 GGCTGCCACCATCACCGTCGACGCCATGTGACGGCGGGCCATCGCAAGCGATGGGCAACC  
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CDS

# > ONAC089

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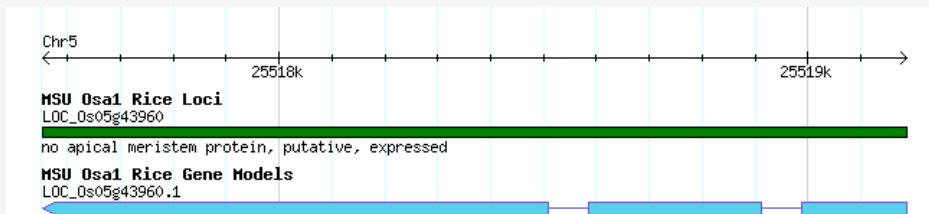
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 CACCAGGCGCAGTGGACGCCGGTGCACATCGCCCAAGCGCCGATGCAGCAGCTGCCGTTT  
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 ATGATGAACAACCTACCAGCCGCAAGCGCCAATGCAGCTGCCGCCGATGATGAACAATGAC  
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#### Protein

##### > ONAC089

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 ITECYGWVKFCVTSLVYFKGPVKTEKKTWLMREFTIPHFENKLDKTAAGSSNQRLD  
 QYVLCRIYTSPPKKGADDGEQAEVVRGGGGGGEDIDEWAEACAVFDLGPETAEGSDNADAA  
 AAEGDMRSKQAGKRPVAAAAVAEQPSKRPWLPPSPSTPCDGGPSQAMGNRQVPMQGLSL  
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#### Gene Structure



#### LOC\_Os06g01480 (ONAC090) sequence information

**Genomic sequence length:** 4761 nucleotides

**CDS length:** 1095 nucleotides

**Protein length:** 364 amino acids

#### Genomic Sequence

##### > ONAC090

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 AGTGTGCAATATATATATATAGTTTACCTCTAATATTTAGCTTCTTAATTTCTCCTCAT  
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CDS

# > ONAC090

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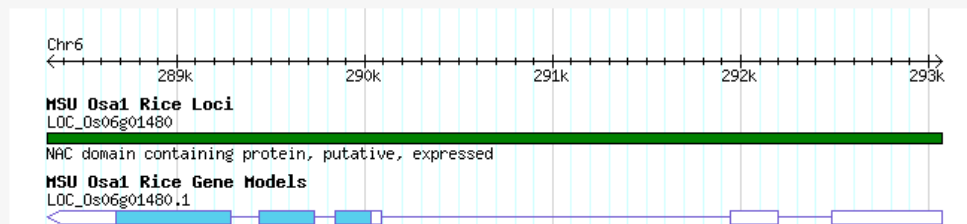
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#### Protein

#### > ONAC090

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 DSDHDAPCGSWYVDEDAPGAFMSPMMITRSSILRPHQHHAGITLQEQHLHTTYKHRDLTT  
 KIQQQLQVPAAGHLLNTMPHDLESSTSSFHSLVSPDHHQINMHHAQADPFFDDMHAVDQ  
 ATTTDWRVLDKFVASQLSNDATNKPADHYTDEGDILQVSDKQEVAAADYASTSTSSSQI  
 DPWK\*

#### Gene Structure



#### LOC\_Os06g15690 (ONAC091) sequence information

**Genomic sequence length:** 4813 nucleotides

**CDS length:** 1257 nucleotides

**Protein length:** 418 amino acids

#### Genomic Sequence

#### > ONAC091

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CDS

> **ONAC091**

ATGACCGGGACATCCTGGATAATTGACAGCCATAGAATTGCTTCAAAAATAAAAAATGCA  
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GA CTCTCAGCAACTGGCAGAGAACCTTGCGATTTGCGATGAGTTCCTTCAGAGTCAGAGC  
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#### Protein

#### > ONAC091

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 KGGKPEKTNWVMHQYHLGTGEDEVGQYVVSLLFQQQFKPGEKNAQDLTSADALESI  
 EDLPNIPPLPLEEHVFTNQLEVLKSETITDQKETSEINNEDNAVEDVAHMATEKPED  
 GDNPSSQDPKWWEGESQFLDSQQLAENLAICDEFLQSQSQTSCGGGDDETDKIKPRLAV  
 YAQLPVEDLKKDLEECQRLDPSDGTNLELENASEFRLSQIEFSQDSFTTAWAGGKVID\*

#### Gene Structure



#### LOC\_Os06g23650 (ONAC092) sequence information

**Genomic sequence length:** 1799 nucleotides

**CDS length:** 1122 nucleotides

**Protein length:** 373 amino acids

#### Genomic Sequence

#### > ONAC092

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 AACAAGTGCAGCCGTGGGAGCTGCCGGAAGGCCAAGATGGGGGAGAAGGAGTGGTAC  
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 GCCGGCTACTGGAAGGCCACCGGCAAGGACCGCGAGATCCGCAGCGCCCGCACCGGCGCC  
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 ACACCTCGTGCTTCTCGGACTCCACCTCCGCCCTCCGTCGGCGGCGGGGGCGGCACCTCCG  
 CCTCGTCGGCGCTGCGCGCGCCGCTGGCTGAGGCCTCGCTGTTCCGCCCGCCGCGGCGC  
 CAGCCGTTGACGGCGCCGACAGCAGCAACTACGGCGGGGGCGGCGGCGCCGCGCAGCGCCA  
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#### CDS

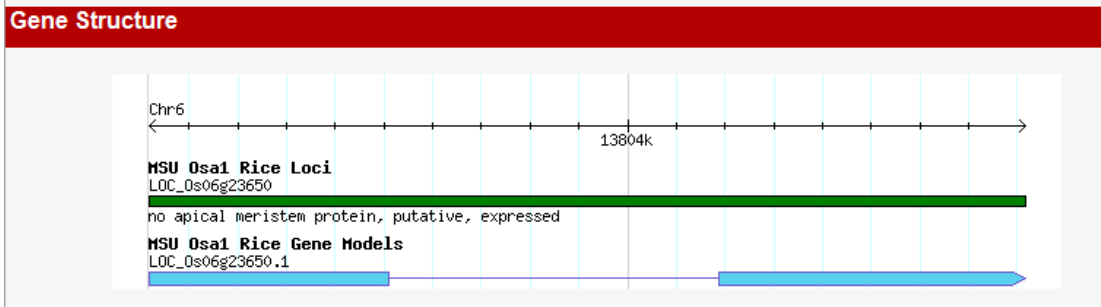
#### > ONAC092

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 AACAAGTGCAGCCGTGGGAGTGCCGGAAGGCCAAGATGGGGGAGAAGGAGTGGTAC  
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#### Protein

#### > ONAC092

MERCSVLGLGGGGGGGRLDGLPPGFRFHPTDEELITYYLLRKVVDGSFNGRAIAEIDL  
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 DSSNYGGGGGAGSATATANLVTGLELVPCFSTTAHMDASFGTGQYNPAPLAVEPPPPPPA  
 FFPSLRSLQENLQLPLFLSGGMQAGVSSQPLSGGGAFFHWQSGMDVKVEGAVGRAPPQMAV  
 GPGQLDGAFAWGF\*



### LOC\_Os06g36480 (ONAC094) sequence information

**Genomic sequence length:** 7817 nucleotides

**CDS length:** 1704 nucleotides

**Protein length:** 567 amino acids

> **ONAC094**

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 CGCAAGTACATGTCGAGGAGAGCTGCTGCCCGAGGTGCGGCCACAAGATCGACCGGAAG  
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 TTTTTCGTGTGTCTGTGAAGGACTGGGTGGGGCTACCGGCCGGTGTGAAGTTCGATCCGA  
 CGGATCAGGAGCTGATTGAGCATCTCGAGGCGAAAGTCCGGCCCGCGGCGAGGCGGCGG  
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 CCCACCCTGAGAAATTGCCAGGTAAATATGTGCAATTGATTAATCAAGTTCAGTTCTTCA  
 AAAGGATGTTAATGTGTGTGTGTTTTTTTTTTTGTGTTTTGGAGGTTTGCACCTTCTG  
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## CDS

## > ONAC094

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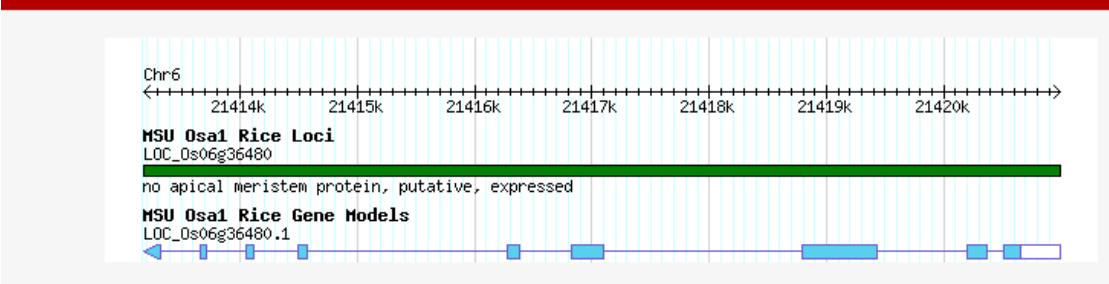
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Protein

> **ONAC094**

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GHYVGGQQQVAATFHVVSSPADPIARLMSPPPAHQGTVMRLRQPEPPYIYHHQEDERPHQ  
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Gene Structure



**LOC\_Os06g51070(ONAC095) sequence information**

**Genomic sequence length:** 1047 nucleotides

**CDS length:** 879 nucleotides

**Protein length:** 292 amino acids

Genomic Sequence

> **ONAC095**

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CDS

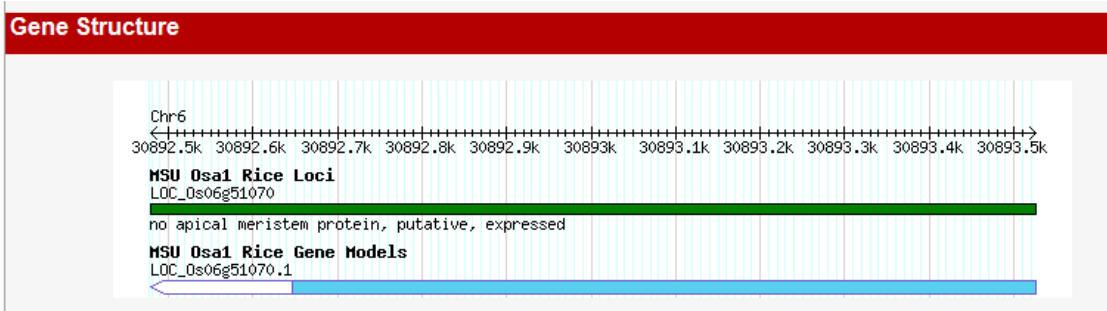
> **ONAC095**

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Protein

> **ONAC095**

MEQQRSRSTAAGGEVEVEQLPGFRFHPTEEEELLEFYLKQVVQGKKLKFDI IPTVHLYRHD  
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## LOC\_Os07g04560 (ONAC096) sequence information

**Genomic sequence length:** 1904 nucleotides

**CDS length:** 1032 nucleotides

**Protein length:** 343 amino acids

## Genomic Sequence

## > ONAC096

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CDS

## > ONAC096

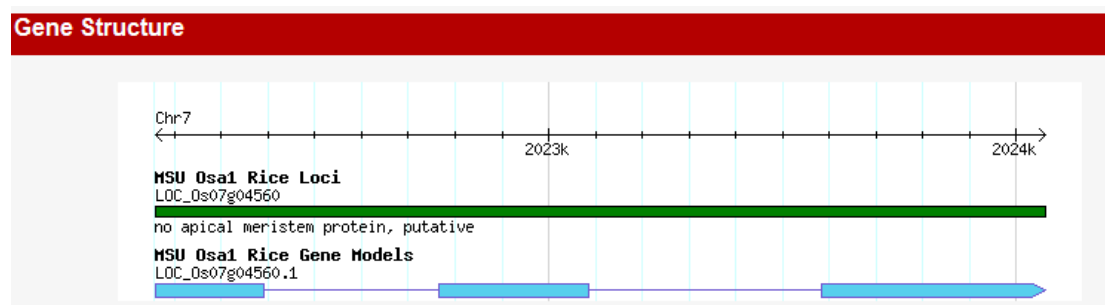
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CATGATCAGAGCGTTCTCAGCTCGCCGGCGCCGAGCGATTTCTACTACAAGGATGGATGC  
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ATATATGCTTAA

## Protein

> **ONAC096**

MKRGCEDELGAGDVILRGVEEVEEEDDDDLVLPGRFRHPTDEELVTFYLRRKIAEKRLSI  
EIIKEMDIYKHDPDFLKTSTVGSEKEWYFFCLRGRKYRNSIRPNRV TSGSGFWKATGIDR  
PICSAAGGGGGDCIGLKKSLVYYRGSAGKGTCTDWMHEFRLPPPADDLAAGRSSPPPS  
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YMNTLQPPPASNVNGGYSNQRYFQEQWNSSSNDNTTVFHQHAAAAAPPEPSPATAMAGFG  
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### LOC\_Os07g09740 (ONAC097) sequence information

**Genomic sequence length:** 1995 nucleotides

**CDS length:** 1995 nucleotides

**Protein length:** 664 amino acids

## Genomic Sequence

> **ONAC097**

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CDS

# > **ONAC097**

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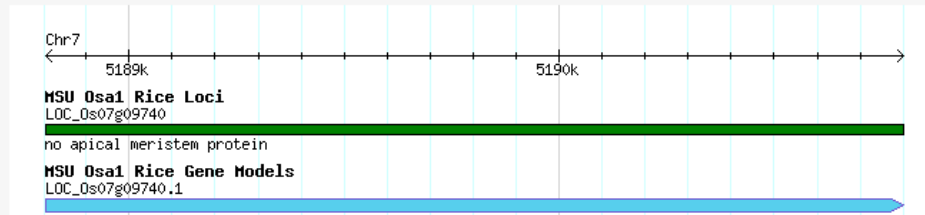
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#### Protein

#### > **ONAC097**

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## Gene Structure



## LOC\_Os07g09830 (ONAC098) sequence information

**Genomic sequence length:** 2121 nucleotides

**CDS length:** 2121 nucleotides

**Protein length:** 706 amino acids

## Genomic Sequence

## &gt; ONAC098

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CDS

> **ONAC098**

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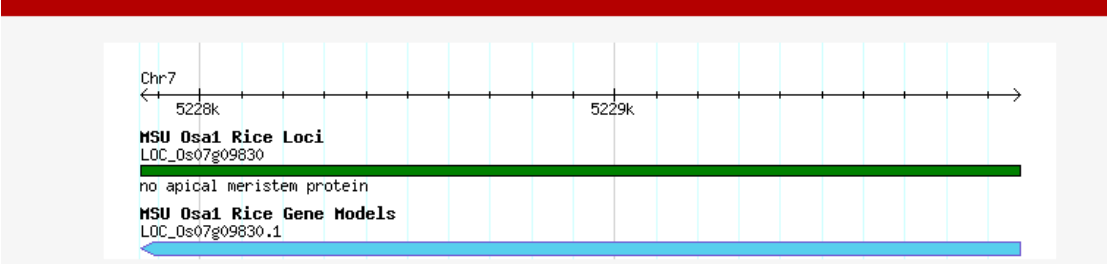
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Protein

> **ONAC098**

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**Gene Structure**



**LOC\_Os07g09860 (ONAC099) sequence information**

**Genomic sequence length:** 2037 nucleotides

**CDS length:** 2037 nucleotides

**Protein length:** 678 amino acids

Genomic Sequence

> **ONAC099**

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CDS

> **ONAC099**

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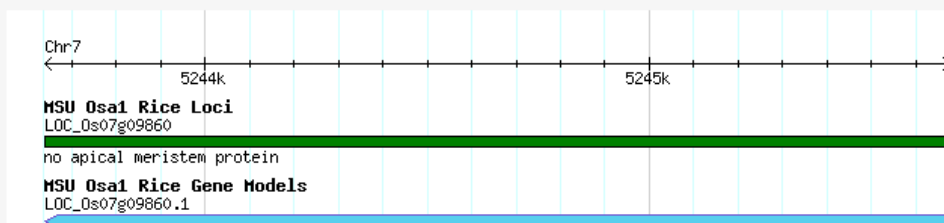
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 ACCGGGTCAATCGATGAGGATGAGCTTCAGAGTTTTGTGCCTGAGTTCGTCTCTCTGCCA  
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 TTTGAGTTCCAGACAGCATGGATGGCCTGAGCTGCATCGACTTTGCCGAGACGATGGAC  
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#### Protein

#### > ONAC099

MAAAAGDGLPPGLRFEPKDELVARFLLARIQGKPLPLHGVILDADPLCAPPWRLADHG  
 RGDDAFFFAEARAKNGKSRQKRTVEGGYWGQQRMCVDGERLVVPDGGGGGGVEIAWRK  
 YVLSYFADGEKGSSGWMHEYAITSPADLASSAMRLYIRFSGHGKKRKREPDSSQSAHDE  
 HGRARCAPQIAMPETALLEDSPAPPQPVHPPAAVDCVCDVTDQGSSLVFPDQPGSIYED  
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 GCSSVFAALPDLIVLPPEEACSGGAAPAPSWASSLDNQNDAPAFFEFPEMDDMVGCF  
 DFASMDNQSCTSAVSEIAVLEEFPLPPPTMVNHDNNSVSDGADQSCFGVGDNSTLVFSDL  
 TGSIDEDELQSFVPEFVSLPQGSCEADAADSGGGVAPAQFAEFGGPESMDDPLNFPAEA  
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 IEELVLPPAAMVNHDDSVSDIADHGCAGVPPPNSEVVDLPNDVSGADQSCSGMVDDSL  
 SGYYEAEKLDASGGAGSMSSDPKQKEHSSSGVMDVEATGFGVPDSMDGLSCIDFAETMD  
 DLSCIDFTIDDELFDLWS\*

#### Gene Structure



#### LOC\_Os07g13920 (ONAC100) sequence information

**Genomic sequence length:** 1125 nucleotides

**CDS length:** 1125 nucleotides

**Protein length:** 374 amino acids

## Genomic Sequence

> **ONAC100**

ATGGCGGCGGCTGGCGCGGATGGGCTCCCTCCGGGGCTCAGATTGACCCCAGCGACGAC  
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 CGGGGCGGCGACGAAGCCTTCTTCCTCGCGGAGGCGCACGCCAAGAACGCCAAGGGCAAG  
 CGCCAGAAGCGCACCGTCGAGGGTGGAGGGTTCTGGCAGGGGCAGAGGATGTGCGTCGAC  
 GGCAAGAAGCTGCTCGTCCCCGGCGGCGACGACGGCGGCGGCGGCGGCGAAGTACTGGAG  
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 CTCTACCGCATCCGATTACAGCGGCTACGGCAAGAAGCGGAAGAGAGAGCCGGAAGACGAC  
 GGTGAGCACATGGCGCGCCCCGGCGGGCTGAGGCGGAGACTGCTCTGTTTCGATCTGGAG  
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 CCGGAGAGTATTGATGAGGTGCTTAGCTACATCGACTTCAGCACGAGCGACACGAGCTGC  
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## CDS

> **ONAC100**

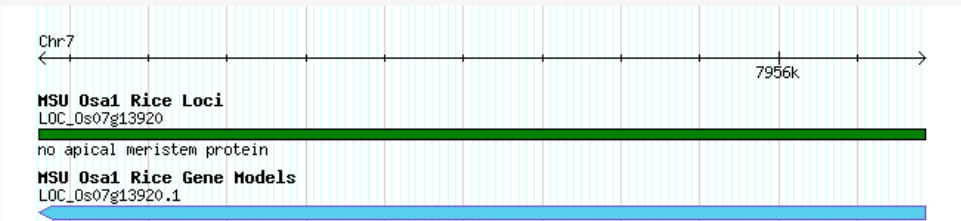
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 GACAACCAGAACTGCGAGTTCAATGACGGCGAGGACATGGCATTGTCAGATTTTGAGTTT  
 CCGGAGAGTATTGATGAGGTGCTTAGCTACATCGACTTCAGCACGAGCGACACGAGCTGC  
 CGCGACTTCACCATGGACGAGCTGTTTCGATCTGCCGGTGGACTAG

Protein

> **ONAC100**

MAAAGADGLPPGLRFDPSSDELVGRYLLRRLQGQPLPLDGVVLDADPLSAQPWRLADHG  
 RGGDEAFFLAEEAHAKNAKGRQKRTVEGGGFVWQGRMCVDGKLLVPGDDGGGGGEVLE  
 IAWRKVLSFFAEGERGSSGWVMHEYSVTAPADLASSPLRLYRIRFSGYGKKRKREPEDD  
 GRAHGAPRRAEAETALFDLEVGPPLPVPPAAAAADHGTQSSSGVTDVFRDLPLD  
 IADAGAALPDQNNQDWSEVADQSSFCVMGDDSSLLLPDLPGMIDDNEHQFVRECDMPHL  
 FVPQAEEAIAGGAASAPSADNQNCFNDGEDMALSDFEFPESIDEVLSYIDFSTSDTSC  
 RDTMDELFDLPVD\*

Gene Structure



**LOC\_Os07g17180 (ONAC101) sequence information**

**Genomic sequence length:** 2141 nucleotides

**CDS length:** 1818 nucleotides

**Protein length:** 605 amino acids

Genomic Sequence

> **ONAC101**

ATGGCGGCGGGTGGTGGTGGCGCTGATGGGCTCCCTCCGGGCTCAGGTTGATCCGACC  
 GACGGCGAGCTCGTCTCCCGATTCTGCTCCGGCGCCTCCAGGGTAAGCCCCCTCCCGCTC  
 AATGGCGTCATCCTCGAGGCCGACCCCCCTCAGCGTGCCGCCATGGAAGCTGCTGGCGGAG  
 CACGGCCGGGGCGACGAGGGCTTCTTCTCGCCGAGGCTCGGGCCAAGAACGGCAAGGGG  
 AGCCGCCAGAAGCGCACCGTCGAGGGTAGTGGGCTCTGGCAGGGGCAAAGGGTCTGCGCC  
 GACGGCGAGAAGCTGCTCGTCCCCGATGGCGGCGGCGTGGAGGTGGAGATCGTGTGGCGC  
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 GAGTACGCCGTCACGTCCCCCGCCGAGCTCGCCGCGTCGCCGATCCGGCTCTACCGCGTC  
 CGGTTACAGCGCCACGGCAAGAAGCGCAAGAGAGAGCCACAATCCGGCGAGGACGGTGTC  
 GGTTCGAGCACGCGCGGCCACAGAGCGCTGGAACAGAGACTGCTCTGCTCGAGGAGCGC  
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 CGCATCCCCGCCGCCACAGCCCGTTCCCATCCCTCCTATCGCCGGAACAGAGGATGCCCTG  
 GACGTCGGCACTGAGGACGTTTCGAGGACGAGCCGCGCCACAGAGCGCTGGAACAGAGTCT  
 GCTCTACTCGAGGAGTGCGTCTCGCCGCCACAGACCGCGCCCCAGATCACCGGAACAGGG  
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 GAGTCTGATCTGCTCGAGGAGTTCGTTCCGCAGCCACAGCCAGTGCTTGTTCCTCCTCTG  
 GCTGCTCTGGTTGAAGTTGCCGATAGCTCTGAAGGCCCTGATCAGGGATGCTCCGTTGTG  
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 TCCTTGTCTGATTTTCGAGTTCCCAGAGTACCCTCTGCTCGATGTTGCCGGTGATGCTGAC  
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 GCGCCGTCGCTGGACAACCAAAAAATACTCCTCACAGGGCATCATCGACAGTGAGGCGCCG  
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CDS

> **ONAC101**

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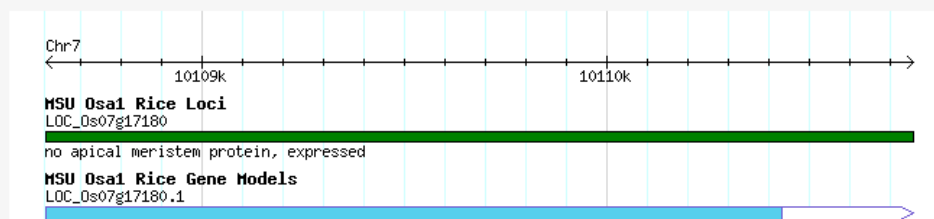
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#### Protein

##### > **ONAC101**

MAAGGGGADGLPPGLRFDPTDGELVSRFLLRRLQGKPLPLNGVILEADPLSVPPWKLLAE  
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 KYLLSFFAEGERGSSGWMHEYAVTSPAELAASPIRLYRVRFSGHGKKRKREPQSGEDGV  
 GRARAAPQSAGTETALLEERMPPQPAPQSVGTEDALVEERIPPPQPVPPIPIAGTEDAL  
 DVGTEDEVGRAPQSAETESALLEECVLPQTAPQITGTGVALLEVVPPPQTVSISPPA  
 ALVDAVDDADCANQGC SGVMDSTMVFSHLPDMITLPAEEGDAAGGAALASMDYSWADFE  
 FPEINMDELPNCIDFTTTDPSCLDIELSMGDLHEPQSTGIESDLLEEFVPPQPVLPPL  
 AALVEVADSSEGPDQGC SVVMHDSSAVFTHLSDPIVLPEEEEEADRPDAPAGTMSLDYQNY  
 SLSDFEFPEYPLLDVAGDADGADQCSSNMDDSSMVFSHLEDLITLPAEEAEADACSAAP  
 APSLDNQKYSSQGIIDSEAPALSDFEFPETIDEVLNSINFTMADPSCLDMEFSMDDLDF  
 DPPAD\*

#### Gene Structure



#### LOC\_Os07g27340 (ONAC102) sequence information

**Genomic sequence length:** 1914 nucleotides

**CDS length:** 1914 nucleotides

**Protein length:** 637 amino acids

Genomic Sequence

##### > **ONAC102**

ATGGCGGCGGCGGCGGATGGGCTCCGCGGGCGTCAGGTTCGACCCCGCCGACGACGAG  
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 ATCCACGAGGCGGATCCCCTCGGCGCGCCGCCATGGATGCTCCTCGCCGATCACGGCCGG  
 GGCGGCGACGAGGCCTTCTTCTCGCCGAGGCGCGGCCAAGAACGTCAAGGGGAAGCGG  
 CAGAAGCGTACCGTCGAGGGTGGGGGGTTCTGGCAGGGGCAGCGGGTTTGCGTCGACGGT  
 GAGAGGCTGAGCGTCCAGGCGGCGACGGCGGCGGCGAAGTCGGCGGCGGGTTGGAGATC  
 GAGTGGCGGAAGTACATGCTGAGCTTCTTCGCCGAGGGGGAGAGGGGCAGCTCGGGGTGG



GTGATGCACGAGTACGCCATCACGGCGCCCGATGATCTCGCCTCGTGGCCGATCCGGCTT  
TACCGCGTCCGTTTCAGCGGCCACGGCAAGAAGCGCAAGCGGGAGCCGGAACGCCTGGGC  
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ACAGAGACCGCCCTGTTTCGTGCAGCCGAGCGCCGTGGATTGCGCCGAATCCGCTGGTCAG  
AGCTTCTCCGGCGCGATCGAGCCTGTGTTCCACGATCTCCCCGACATGATGCCGGAGCAA  
GCTGATGCCGGAGACACTACAGAGACTACCGCAGCGGTGGTGAACCTCACGGACGCCATG  
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ATCGATCCGGCGTTCGCGATCTTGCTGACCTGATCGTCTTGCCACCTGAGCCAGATGAC  
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CCGGCGTTCGTGAGCAAGCCGACGCCGGAGAGGCAGAGACCACCGTATCCGCAGCAGTG  
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GTCGACTTCACCGCCGGCATGGAGCCCTCCTGGCAACAGCGCTGGCCTCCCATGTCAGAG  
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CDS

> **ONAC102**

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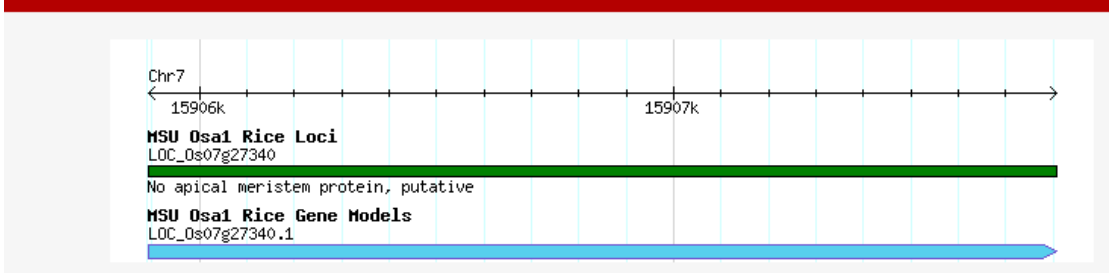
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CCTGGCAATGCCGATTGCGCCGATCATCAGAGCTGCTCTGGCGTGATCGACCCGGCGTTC  
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GAGACTACCACAGCAATGGTGAGCCTCACGGACAAGCTGAAATACTCCTCCTCCATGGAC  
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GATTCGGATTTCCCGGAGAGCATTGACGAGGTGCTCAGCTACATCGACGTCAGCACCGAT  
GACACGAGCTGCATCGACTTCTCCATGGACGACCTCTTCGATCTTGACAGACTAG

Protein

> **ONAC102**

MAAADGLPPGVRFPADDELVSRYLLRRLRKQPIPLHGVIEADPLGAPPWMLLADHGR  
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EWRKYMLSFFAEGERGSSGWMHEYAITAPDDLASWPIRLYRVRFSGHGKKRKREPERLG  
ARVHDDVDVGGQRAAPRRAVTETALFVQPSAVDCAESAGQSFSGAIEPVFHDLPDMMPEQ  
ADAGDTTETTAAVVNLTDAMSEQPVLPPLAADGDDQSSYGVIDPAFRDLADLIVLPPEPDD  
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VNQNYSMALCDFNFPEVLSYVDFTAGMEPSWQQRWPPMSESAPFEQQEPPLAPVAMVDLP  
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GEAAQAWCDFDFPESTDEALSYIDFTAGAHTDNDGGVSETAMFEQLGSPPQHDPLPMDAD  
GADQSSSGPLIDTVFRDHAEPVLPLEQADTGGGAAAANLMDKQKYSSSMDGEAVPAWC  
DSDFPESIDEVLSYIDVSTDDTSCIDFSMDLFDLAD\*

Gene Structure



**LOC\_Os07g48450 (ONAC103) sequence information**

**Genomic sequence length:** 2236 nucleotides

**CDS length:** 1041 nucleotides

**Protein length:** 346 amino acids

Genomic Sequence

> **ONAC103**

GGAGGATCGATCGATCGATGAGCACTCGCTTTGATTGATCAATCGATTGATCGAGCTAT  
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 GCGTGCTCTCATCTGTGTCACCACTACTAATTGAACTACTGTACTCTTCTTCTAGGATA  
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CDS

> **ONAC103**

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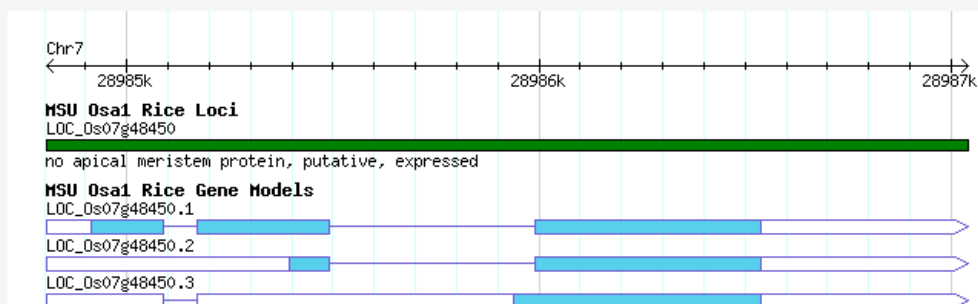
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## Protein

## > ONAC103

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## Gene Structure



### LOC\_Os08g10080(ONAC104) sequence information

**Genomic sequence length:** 3785 nucleotides

**CDS length:** 882 nucleotides

**Protein length:** 293 amino acids

## Genomic Sequence

## > ONAC104

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CDS

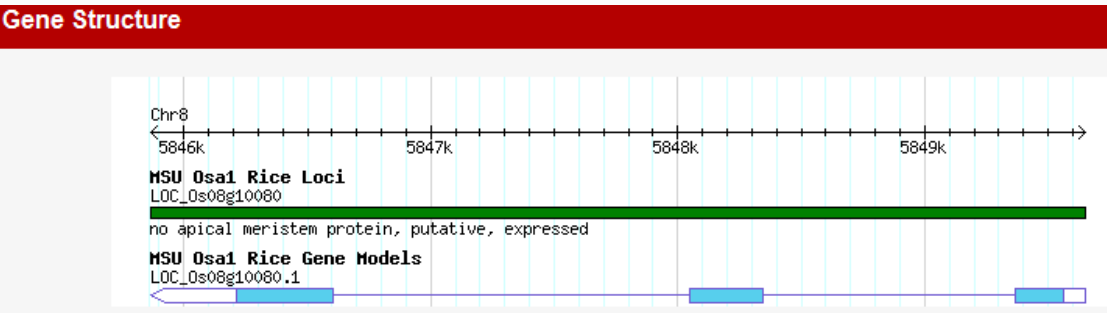
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Protein

> **ONAC104**

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**LOC\_Os08g23880 (ONAC105)sequence information**

**Genomic sequence length:** 1344 nucleotides

**CDS length:** 1344 nucleotides

**Protein length:** 447 amino acids

**Genomic Sequence**

**> ONAC105**

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**> ONAC105**

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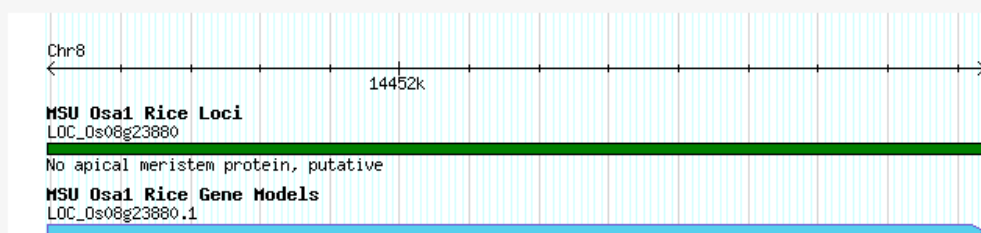
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#### Protein

#### > ONAC105

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#### Gene Structure



#### LOC\_Os08g33670 (ONAC106) sequence information



**Genomic sequence length:** 3416 nucleotides

**CDS length:** 1005 nucleotides

**Protein length:** 334 amino acids

**Putative Function:** no apical meristem protein, putative, expressed

#### Genomic Sequence

##### > ONAC106

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CDS

> **ONAC106**

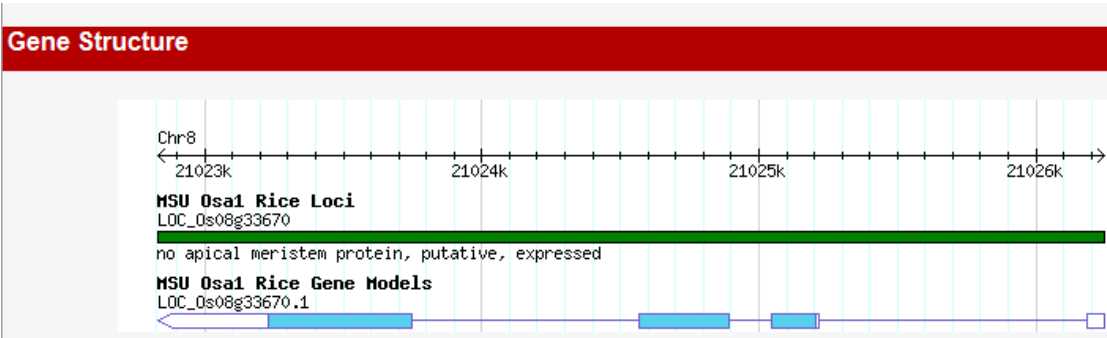
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 AACCGTGAGGAGGAGGAGGATGAACATGGCCTGGCTCGAGAGGAGTCGTCTCGTCTCCGGTG  
 GTCATCAGCTCACCATCACGCTGCACCTCCTCACCCTCGTCTCGGCTTCTCAACCATGAG  
 CACCTTGGTGCTTCGTCTGTCAGATGACCTGCCGGAGTTGATGGAGTTCGGCGACATCTAC  
 GCGGGATCGCCGCCGGTGGCCCGACGGACCAGGCCTCATCATCAAACCTCAAATTC  
 ATTTGCAACTTCTCGACGAGCCATACTACTGCTGGAACCTCTGA

Protein

> **ONAC106**

MEEEQRLPAGFRFFPTDEELVYYLARKAMDATFTSAAIRDVDLYTSDPWHLPCDSSAAS  
 TGGGGGGECYFFCRRSSKYPGARVRRATAGGYWKSTGKDKGVYAAGGGGGLVGTKKTLV

FYEGRAPRGEKTSWVMHEYSRAPSTNFIRGAQARTHNLDDIYSEWVICRVFKKQPPIEH  
WLEMEEVETTTTTTTTVQEHTPNRRRLPPAEAAAAPPPSGQPWQHTSRRSGDGRAAIDGG  
NREEEEDEHGLAREESSSPVVISSPSRCTSSPSSRLNNEHLGASSDDLPELMEFGDIY  
GGIAAGGPTDQQASSSNSNSICNFLDEPYWCWNF\*



# **LOC\_Os08g40030 (ONAC107) sequence information**

**Genomic sequence length:** 2230 nucleotides  
**CDS length:** 1023 nucleotides  
**Protein length:** 340 amino acids  
**Putative Function:** CUP-SHAPED COTYLEDON3, putative, expressed

## Genomic Sequence

### > **ONAC107**

ATGGGGGACGCGCTGTGGGAGATGCTGGGGGAGGAGATGGCGGCGGCGGCGGCGGCGGCC  
GGCGAGCACGGGCTGCCGCCGGGGTTCAGGTTCCACCCACCGACGAGGAGCTCGTCACC  
TTCTACCTCGCCGCCAAGGTGTTCAACGGCGCGTGCTGCGGCGGCGTGACATCGCGGAG  
GTGGACCTGAACCGGTGCGAGCCGTGGGAGCTGCCGGAGGCGGCGAGGATGGGGGAGAAG  
GAGTGGTACTTCTTCAGCCTCCGCGACCGCAAGTACCCGACGGGGCTGCGCACCAACCGC  
GCCACCGGCGCCGGCTACTGGAAGGCCACCGCAAGGACAGGGAGGTGGTCGCCGCCGCC  
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AATGAATACTATTAATTTGATCTTATGAACACTTCATCATAACTGAACTGACATGTAGA  
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 GGGGCCCCACGGCGCAGCTCGGAGTCAACGCCGGTCAACAGGAGCCACCGCCACCTACCT  
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CDS

> **ONAC107**

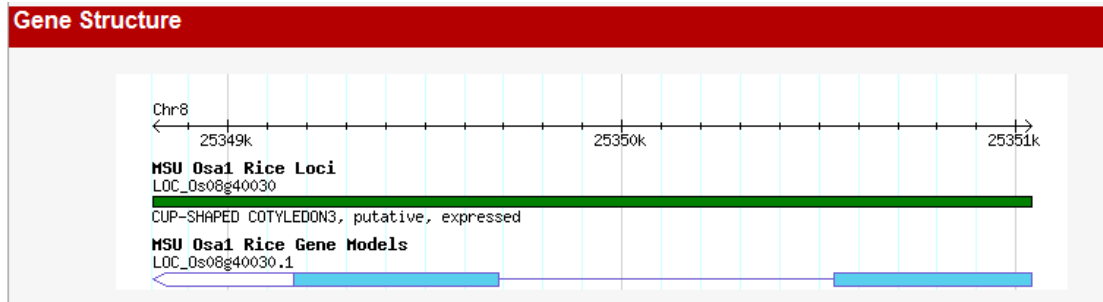
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 GCCGCCGGCGGCGCGCTCATCGGCATGAAGAAGACGCTCGTCTTCTACAAGGGCCGCGCC  
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 GCTGCTGCTTTTCTTCTTCAGCTGTGCTAGTACTGTCACTGGCAAGGGGGGGCCACCG  
 GCGCAGCTCGGAGTCAACGCCGGTCAACAGGAGCCACCGCCACCTACCTGGATGGACGCT  
 TACCTGCAGCACAGTGGATTCAATTTATGAGATGGGCCCCACCTGCAGTGCCCAGGGGCGCA  
 TGA

Protein

> **ONAC107**

MGDALWEMLGEEMAAAAAAGEHGLPPGFRFHPTDEELVTFYLAAKVFNGACCGVDIAE  
 VDLNRCEPWELPEAARMGEKEWYFFSLRDRKYPTGLRTNRATGAGYWKATGKDREVVAAA  
 AAGGALIGMKKTLVIFYKGRAPRGEKTKWVLHEYRLDGDFAAARRSTKEEWVICRIFHKVG

DQYSKLMMPKSPASYLPLVSHHPSSIFHDLPPVPFPNPSLVPFHDLPTS FHPPLLQHS  
HANSKNSSSNNGGFVFPNEPNTTNSSDNHISCGAMAAAAAAFPSPFSCASTVTGKGGPP  
AQLGVNAGQQEPPPTWMDAYLQHSGFYIEMGPPAVPRGA\*



### LOC\_Os09g24560 (ONAC108) sequence information

**Genomic sequence length:** 1588 nucleotides

**CDS length:** 903 nucleotides

**Protein length:** 300 amino acids

**Putative Function:** No apical meristem protein, putative, expressed

## Genomic Sequence

## > ONAC108

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CGATGGCAGGAGGCGGAGGCGGCGACCGCGCGCCGTCGTCGTCGACGGCGATGATCT  
CGCGACTCCTGCCGCCGGGCTTCCGGTTCCGGCCGACCGACGGGGAGCTCGTCGCCCCT  
ACCTCGCCCCGAAGGCGGCCGACGCCGGCTTCACTCCGCCGCCATCCGCGACGCCGACC  
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ACGAGACATTGCTGCGTGCGTGCGTTGGCTTTGATCGATGTGTGTCGTCGTCGTCGTCG  
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TTCTTCTGCACGAGGAGCTTCAGGTGGCCGTCGGAACGAGGACGAACAGGGCCACGGCG  
ACCGGGTACTGGAAGTCGACGGGGAAGGACAAGGCGGTGCTGCACGGCGGCGGCGGCGGC  
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ACCGCCTCTTCTTCCCCGACGCCGACGACAGTTGTGCCCCGCGTGAGTGAAATGCAACAG  
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CATCTCCGTTTCGTCGCCGGCGCCGGCGAACTCTGTGGACGGCGCAGGCCATGCGAGCTGC  
AGCTTCTTCTCCGGTGCTAATGAGTCCATGGCGCCAAGCGACCATTCAACATAGGAGAC  
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CDS

> **ONAC108**

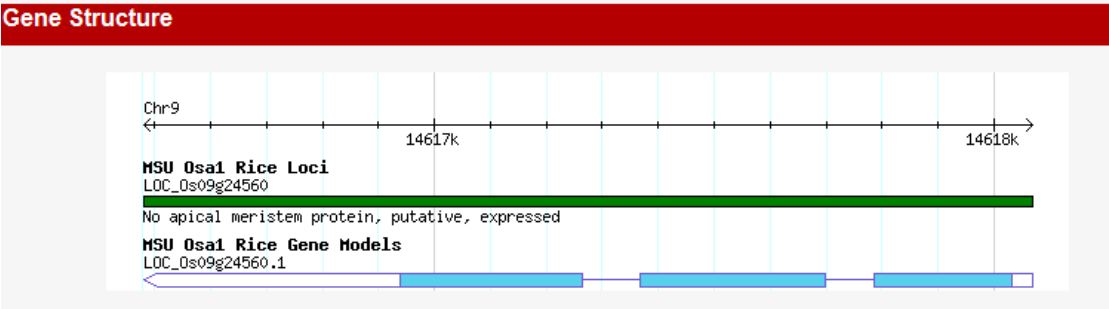
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CATGCGAGCTGCAGCTTCTTCTCCGGTGCTAATGAGTCCATGGCGCCAAGCGACCATTTC  
AACATAGGAGACGACATGATCCTCCATGGCCACGACGAGGAGGAGTTGCTGATGATGAAC  
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TGA

Protein

> **ONAC108**

MSARGGVTMAGGGGGDRAPSSSSSTAMISRLLPPGFRFRPTDGELVAHYLARKAADAGFTS  
AAIRDADLYRAEPWDLPPPPRCDAEEEEEEEEERCGYFFCTRSFRWPSGTRTNRATATG  
YWKSTGKDKAVLHGGGGGGRPVGKKTLVFYRGRAPRGEKTSWVMHEYRLLHGGAATA  
SSSPTPTTVVARSEWVICRVFVRKTPDGNDRGTTEHHLPSDDAHLRSPAPANSVDGAG  
HASCSFFSGANESMAPSDHFNIGDDMILHGHDEEELMMNCSSAFDLPELLDYESFSLDL

\*



**LOC\_Os09g38000 (ONAC109) sequence information**

**Genomic sequence length:** 2346 nucleotides

**CDS length:** 1101 nucleotides

**Protein length:** 366 amino acids

**Putative Function:** no apical meristem protein, putative

## Genomic Sequence

## > ONAC109

TTGTAAGAAAAGGTTTCAAGCTTCTTGTGAGGGTGATCAGGGAATCTGCAAAAAGAGGAGGCCAA  
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GCAGCAGCAGCTGGGAAAGGCCTCAGCAGCAGCGCAGAAGAAGCAAGGTGTCTTTGGGCA  
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CGGTTCCACCCGACGGACGAGGAGTTGGTGAACCTACTACCTCAAGAGGAAGATCCACGGT  
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GGGAAAAGACCGCGGGTGGTGCACCAGCACGGGGGGCGCGCCATCGGGATGAAGAAGACG  
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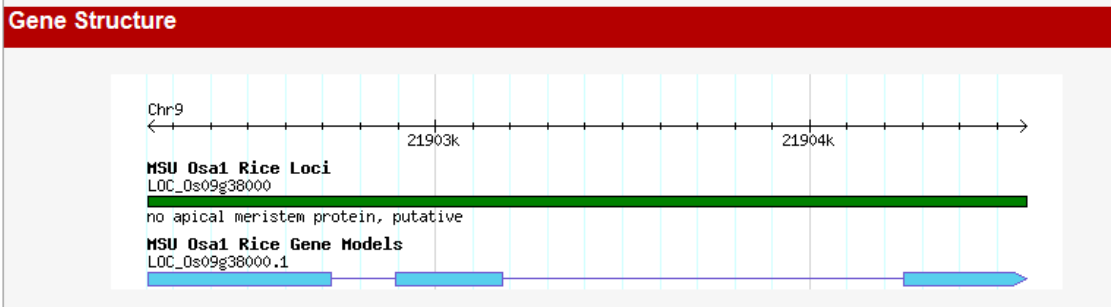
> **ONAC109**

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Protein

> **ONAC109**

MEKVQASCEGDQGICKRGAKGGHPIDQNLVGGMTMSTGVPTTVPPTPALAALKNLLIRV  
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**LOC\_Os09g38010 (ONAC110) sequence information**

**Genomic sequence length:** 2579 nucleotides

**CDS length:** 657 nucleotides



**Protein length:** 218 amino acids

**Putative Function:** no apical meristem protein, putative, expressed

#### Genomic Sequence

##### > ONAC110

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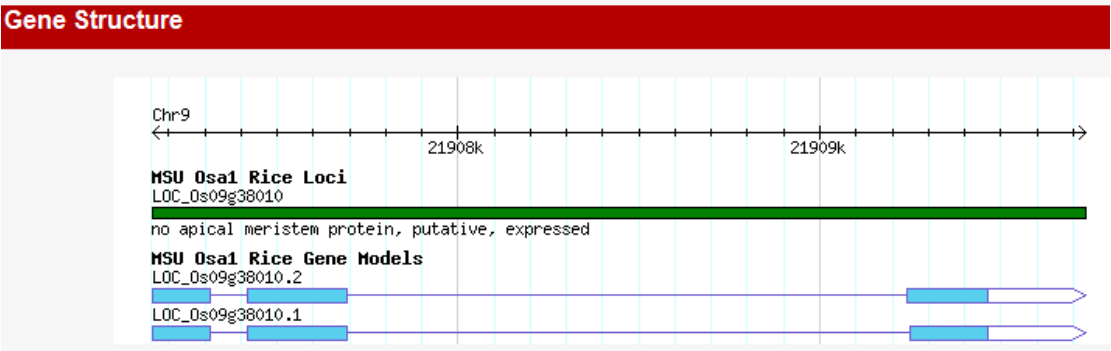
> **ONAC110**

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Protein

> **ONAC110**

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EVTDFGDAGQSSGANENDKDNSWMQFIAEDLWCTNKLK\*



**LOC\_Os10g09820 (ONAC111) sequence information**

**Genomic sequence length:** 3642 nucleotides

**CDS length:** 1491 nucleotides

**Protein length:** 496 amino acids

**Putative Function:** no apical meristem protein, putative

Genomic Sequence

> **ONAC111**

ATGACAGCGGAGAGCAATGGCGGCAACAGCTCGGCGGCGGCGACGACGGCGAGCAATGGA  
GGCCGGCGGAGACACGAGCTGGTGCCGAAGCTACGATTGCCTCCAGGCTACCACTTCGTG  
CCCTCGGATGAGGAGCTCGTCGACTTCTACCTCCGCGGCAAGATCGAGCAACGTAGGCCG  
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TGAGATAGACGGCACAATAGCGAGAGGGTGATCCCACAATCATCAACTATCTCCACCACC  
ATAGTTTCCCTTCTCTTCCACGGGGGCGATGGGAGTCGATTTGAGGGGTGGTAAAGTTT  
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TAGCAAAAGCTGTTCAAATTCAAAATATATTTAATTCTAAGATTTATGAATTCCTTTTGA  
TAGTTTCTAATTATAGGATTTCTGAATTCCTTTTCAAAGTTTCAGTCACCCAAATATTGT  
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TATGTTCTGTGTGCGATACAGTTGAAGCAGACATACGAGGCTGAAAAGAAGGCCAGGAG  
 GAGGAGGAGAGAGGCGTCAAACGCAAGAGAACGGCAACGAGGAAGAGGAGAAAAGGAGAC  
 ATTGATCAAACACTTCCCAGGAGCAAGAAGATCAGCAGCAGGAGACACCACCACCTGGA  
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 GGAGAAGAAGAAGTTGCGCCAGTTCCATGGTGGCGCGATTGCATGGCGCAACCTGATCGA  
 ATCGAATATCCTGCAGTGTGGTACAATCAGCAGGAGCAACAGCCATCGCAGTTAGTTGAT  
 CGATCGATGATGACACAAGGCTACATTGGAGATCTTTCTTACATTGAGAATCAATTTGAT  
 CAACAGCAGGCACATGATCATGGTAGCATTAAATGCATTTGACGAGGCTCTCGACCAATGC  
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 GGTCTGATGATGCATCTGCTCAATCCATGGGAATTCAACCTGCTGCTGGACATTCCATG  
 GGAGATGATGATGAGACATGCTGTAATGATGATTTGTCGTCACCTCTTGCTGATATTTTCG  
 AGAATCTTACTAGATGGCAATGGTGTATAAAACAATGAAGGAAACCCAGAGGGAAGTAAT  
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CDS

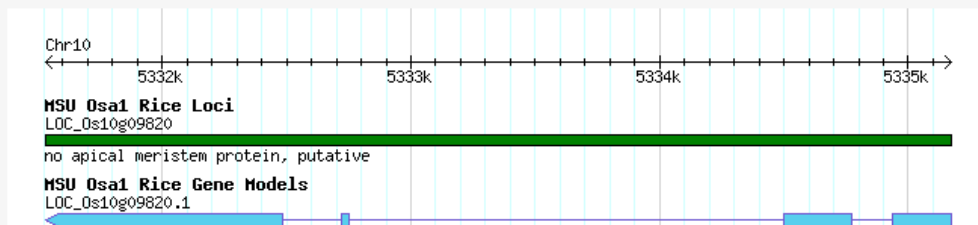
> **ONAC111**

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 TTGCTAGATGGCAACTTGATGATGATACTCAGGATCAGTTTGGCAATCAATCTACTCTT  
 GGTGCATTAACCTGGAGAATTAGAGTATGGCACGGGCTACCAGTTCCATGACGCACTCCAG  
 GCTACGCCAGGTTCTGATGATGCATCTGCTCAATCCATGGGAATTCAACCTGCTGCTGGA  
 CATTCCATGGGAGATGATGATGAGACATGCTGTAATGATGATTTGTCGTCACCTCTTGCT  
 GATATTTTCGAGAATCTTACTAGATGGCAATGGTGTATAAAACAATGAAGGAAACCCAGAG  
 GGAAGTAATCAGGGCTTGACATCTGCAAAGATGGACACCAATGGCCGTTAGAAGAGAGC  
 ACAATGCCAACGGTTGAGTGTGTTCTGCAGCATCCTGGAGAGTCTGCCTGA

## Protein

> **ONAC111**

MTAESNGGNSSAAATTASNGGRRRHVLPKLRLLPPGYHFPVSDEELVDFYLRGKIEQRRP  
PMDFINEVDIMSFPVKLIEKYKGYENRWYFFTVRKPSKTKKKDEPNRKVVVDGVEEGS  
WSATGSVAYICGKDHE TVIGTKRVLTYKSARSAEEDKWSMHEYVMLDKSQILD TTRDTMS  
MDQYVLCALQLKQTYEAEKKAQEEEEERGVKRKRTATRKRRKGDIDQTTSQEQEDQQQETP  
PPGDPHDQSVVDAPYYSTQMALGGEEVAPVPWCADCAQPDRIEYPAVWYNQQEQQPSQ  
LVDRSMMTQGYIGDLSYIQNQFDQQQAHDHGSINAFDEALDQCHDTNFAWDNAGIYPGNN  
LLDGNLDDDTQDQFGNQSTLGALTGELEYGTGYQFHDALQATPGSDDASAQSMGIQPAAG  
HSMGDDDETCCNDLSSLLADISRILLDGNNGVINNEGNPEGSNQLHICKDGHQWPLEES  
TMPTVECVLQHPGESA\*

**Gene Structure****LOC\_Os10g25620 (ONAC112) sequence information**

**Genomic sequence length:** 2159 nucleotides

**CDS length:** 1599 nucleotides

**Protein length:** 532 amino acids

**Putative Function:** no apical meristem protein, expressed

## Genomic Sequence

> **ONAC112**

ATGGCAGAACTACCAACCGGAAGGCCGCGCGCGGTGGCAACAACAATGGGAAGTGAAG  
GGGAAGGAAAAGGTGGTGCCCGAGTACGGCAAGAACCGGCACGGCATGTCCGTCGGCTGG  
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CAGCTCCCCGGCGCCCTCAACAACGTCTTCGAGCATATCAGGATCCTCGAATTCCACCCC  
GCCCTCCTGCATGGTATGCCTGCTTCACCGCCGCCATCTACCTCTCTTTCTATCCCC  
TTCATCAATAACCGTCCTCTTCTTCTTCTTCTTCTTCTGCGGACGACGTATGTAG  
AGATGTACATCAAGAACGAGGAGGATGGGTACATCTACTTCTCAGCAAGAGGCAGTTCA  
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CDS

> **ONAC112**

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 GCCCTCCTGCATGAGATGTACATCAAGAACGAGGAGGATGGGTACATCTACTTCTTCAGC  
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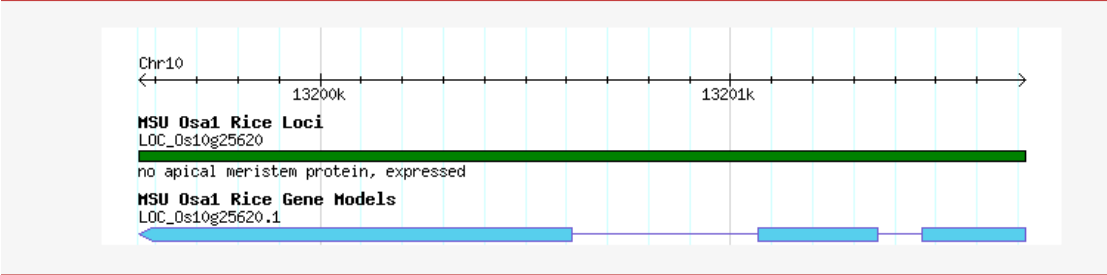
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Protein

> **ONAC112**

MAELPPEGRGGGGNNNGKWKGEKVVPEYGKNRHGMSVGWYFVPKDLELFAILKCKLVRG  
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GTWKASGSKTVRSKKVGGIDVGQKLTVMFYERRFEGDRNP IKTNWGMHEFTKI IDGTKN  
QLEDLAVYRLYKIKRKEDEEPSNTAAAAASSTDEPSTSSALPPPTPPRPLPDMAGPSSATP  
LLPLQLPGLAGSSSAMSPLPALQLPGMAGSSSAMPLPPLSLPGLAGGMMSMADQANMASTS  
QASTPSSELLQDWYDEFEITYGAVAPPSPSTISWVAPQSSPTGWWPSPNGGPVQHDGYLG  
MAADPTSYMLENLLPTAAIPPEPMMPTSSPAPPPAVDHHHRLSPPHDAAGSNYNHPELA  
DYNGGVQAQHEHQYHPQEPQASLVDAEDGYSAMAGGDDAQLGGAELDTERIAEMVNHIMD  
GEFEFKFEDNTVLKYNEVFDPNDEVVAAPMMIDGGRDGDGADGGDGDGDPFDN\*

Gene Structure



**LOC\_Os10g25630 (ONAC113) sequence information**

**Genomic sequence length:** 1143 nucleotides

**CDS length:** 780 nucleotides

**Protein length:** 259 amino acids

**Putative Function:** no apical meristem protein, putative, expressed

Genomic Sequence

> **ONAC113**

ATGGAGGCAGTATTCATGTTCAAGCGGATTGATCGAATTCATTCTTTGAATTTGAATTT  
CGGATGCAATTTGTGCTAATTTGGCTTGATAACTTAATTATGTGGATTTTGGCCAAGCTT  
GAGGACCTTGCCGTGTACCGCGTGTACAAGATCAGAAGGAAGGAGGACACAGAGCCGGTG  
AACGCCGCCGCCGCGGTGTCGAGCACGGACGAGCCCTCCACGCCGGCGGCACTGCCACTG  
CCTACGCCACCGCCACGGCCATTGCCGACATGGCCGGATCGTCATCGGCAACGTCGCTA  
CTGCCACTGCAATTTCCAGGCTTGGCTGGGTCGTCGTCGACGATGCCGCTGGCACTGCCA  
CTGCAGCTGCCTGGCTGCCAGGTCGTCGTCGGTGATGTCGCTGCCGGGCTTGGCTGGA

GAGATGACGTCCATGGGCCATGGCGAAACAGGCGAACATGGCCTCGACGTCACAGGCATC  
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CDS

> **ONAC113**

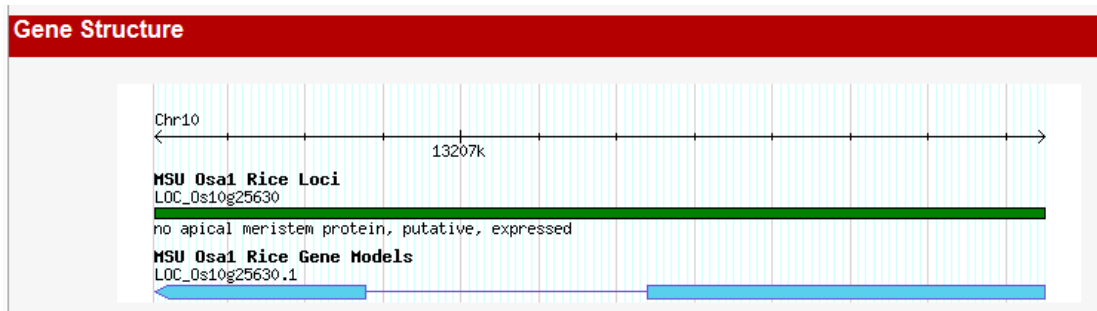
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Protein

> **ONAC113**

MEAVFMFKRIDRIPFFEFEFMRMQFVLIWLDNLIWILAKLEDLAVYRVYKIRRKEDTEPV  
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LQLPGLPRSSSVMSLPGLAGEMTSMGHGETGEHGLDVTGINTVVGAPTRLELTDGTDGDG  
AMADGDTQLDAAAAAAEFDSERVAEIVSQIMDGEFEFKFDDDTIVSFNEVVAAPMLIDGD  
GDGDGDGADGGVGDDPFEN\*





### LOC\_Os10g25640 (ONAC114) sequence information

**Genomic sequence length:** 1369 nucleotides

**CDS length:** 588 nucleotides

**Protein length:** 195 amino acids

**Putative Function:** no apical meristem protein, putative

Genomic Sequence

#### > ONAC114

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ATGGAGGGAGTAGATCGTATTGGCTGGAACCTGGGCTTGGGCTTCCTTAGGAAAGGTTGG
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GACATTTAGCGGTTGGGTTTCTTAAATAACTATATCTATAGTGGGTAAATGGAGCTATT
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CDS

#### > ONAC114

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 TTCTACTTCGTCCCCAAGGACCTGGAGCTCCTCGCCATCCTCATGTGCAAGCTCGTCCGA  
 GGCAAGGTCCCCGGCGCCCTCAACAACGTCTTCAAGCATATCAGGATATTGAATTCCACC  
 CCGCCCTCCTCCATGACGTATATCGAGACTATGGAGGACGGGTACATCTATTTCTTTAGC  
 AAGAGGCAATTTCGAACGAAGGCTAGGAACAAGAGGCGGCCGATGAGGGTGGCAGACGGC  
 GGGACGTGGAAGGCGTCCGGTGGGAGCAAGAAGGTCCGTGGCATCGATGTCAGTCAGAAG  
 TTCACCATGGTGTCTACGAGCGTAGGTTTGAGGGCGACCGAAATCCCGTCAAGACCAAC  
 TGGGGCATGCACGAGTTCACCAAGATCATTCCTGGCACCACCAAACTAG

#### Protein

#### > ONAC114

MEGVDRIGWNLGLGFLRKERPPVHGDSGGSGGSNSNDGKWKGKEKVVPPEYGKNRHGMPVG  
 FYFVPKDLELLAILMCKLVRGKVPALNNVFKHIRILNSTPPSSMTYIETMEDGYIYFFS  
 KRQFATKARNKRRPMRVADGGTWKASGSGSKVGGIDVSQKFTMVFYERRFEGDRNPVKTN  
 WGMHEFTKIIPGTKN\*

#### Gene Structure



#### LOC\_Os10g26240 (ONAC115) sequence information

**Genomic sequence length:** 623 nucleotides

**CDS length:** 519 nucleotides

**Protein length:** 172 amino acids

**Putative Function:** no apical meristem protein, putative

#### Genomic Sequence

#### > ONAC115

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 CTCGAATTCCACCCCGCCCTCCTCCATGGTATGCCCCGTTCCGCCCCCCCTCTCTACCTC  
 TCTCTTTCTGTCCCCTTCATCAATACCCGTCCTCCTCCTCTTCTTCTTCTCCGGTGA  
 TGACATGTGTAGAGACGTACATCGGGAAAGAGGAGGATGGGTACATCTACTTCTTCAACA  
 GGTGGCAGTTCGCGACGAAGGCAGGGAACAAGAGGCGGCCGACACAGGTGGCGAAGGGCG  
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 ACATCGGCCAGAAGCTCACCATGATGTTCTACGAGCGCAGGTTTCGAGGGTGACCGGAACC

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CDS

> **ONAC115**

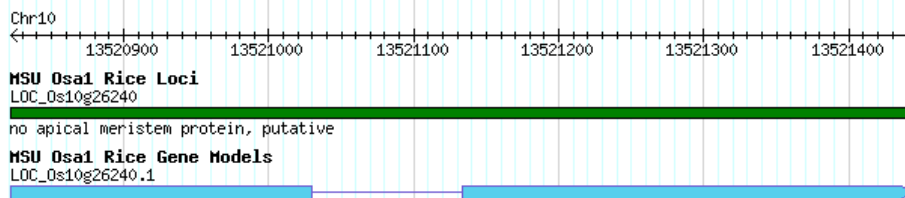
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GAGGGTGACCGGAACCCCATCAAGACCAATTGGGGCATGCACGAGTTCACCAAGATCATT  
GATGACTCCAAAAACAAAAACCAGGTAGTCCTTGTTAA

Protein

> **ONAC115**

MGSGRGRRRWCPSTARTGTACLSAATSSPRTLELFAILRCKLVCGQLPGALNNVFEHIRI  
LEFHPALLHETYIGKEEDGYIYFFNRWQFATKAGNKRRTQVAKGGTWKASSGSKTVRSK  
KVGIDIGQKLTMFYERRFEGDRNPIKTNWGMHEFTKIIDDSKNQKPGSPC\*

**Gene Structure**



**LOC\_Os10g26250 (ONAC116) sequence information**

**Genomic sequence length:** 815 nucleotides

**CDS length:** 549 nucleotides

**Protein length:** 182 amino acids

**Putative Function:** no apical meristem protein, putative

Genomic Sequence

> **ONAC116**

ATGGCGGACCAGGCGAACATGGCCTCGACGTCGCAGGCGTCCACACCGTCGTCGGAGCTC  
CTGCAAGACTGGTACGACGAGTTCGAGATCACGTACGGCGCCGTGACGCCGCCGTCTCCT  
AGCACGATCAGCTGGGAGGCGCCGAGAGCTCGCCGATGGGGTGGTGGCCGTCACCGAAC  
GGCGGGCTGGTGAGCACGACGGCTACCTCAGGATGGCGGCGGATCCAACGTGGTACATG  
CTAGAACACCTGTTGCCACCGCGGCGATCCCGCCGAACCGATGACGCCGAAGAAGAGC

TCGCCGGCGCCACCACCAGCCGTCGACCACCACCACCGGCTCTCGCCTCCGCATGACGCC  
 GCCGGCTACAACGGCGGCATCCAGGCGCAGCACGAGAATCAGCATCATCCGCAGGAGCCG  
 CAGCCGGCATTGCTGGTGGATGGCGAGGACGGCTACGGCGCCATGGCCGACAGCAACGAC  
 ACACAGCTGGGCGGCACGGAGTTTGACACCGAACGAATCGCCGAAATGGTAAAAGTTCAA  
 ATTCGAGGATAACACCGTCCCTTAAGTACAACGAAGTCTTTCCTGACGACGACGAGGTGGT  
 GCGGCGCCGATGATGATCGACAGCGGTGCGATGGTGCAGAGGGATGTGATGGAGACGAC  
 CCATTTCGACAATTAGGGCCCTCGTTCGAAAACCGCTGGAATTTCAAGTTTCCCTGGCTAT  
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CDS

> **ONAC116**

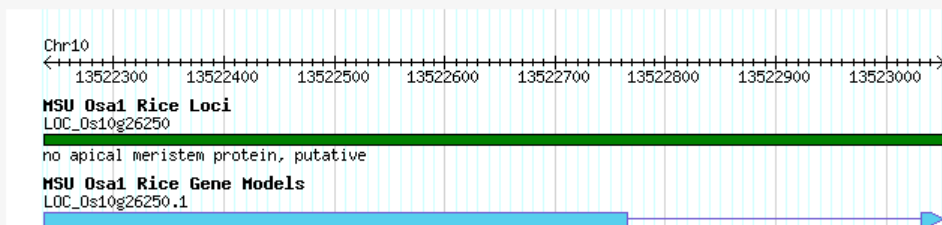
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 GCGGGGCTGGTGCAGCACGACGGCTACCTCAGGATGGCGGCGGATCCAACGTGGTACATG  
 CTAGAACACCTGTTGCCACCGCGGCGATCCCGCCGAACCGATGACGCCGAAGAAGAGC  
 TCGCCGGCGCCACCACCAGCCGTCGACCACCACCACCGGCTCTCGCCTCCGCATGACGCC  
 GCCGGCTACAACGGCGGCATCCAGGCGCAGCACGAGAATCAGCATCATCCGCAGGAGCCG  
 CAGCCGGCATTGCTGGTGGATGGCGAGGACGGCTACGGCGCCATGGCCGACAGCAACGAC  
 ACACAGCTGGGCGGCACGGAGTTTGACACCGAACGAATCGCCGAAATGTTTCGTATAGAC  
 CTTTGGTAA

Protein

> **ONAC116**

MADQANMASTSQASTPSELLQDWYDEFEITYGAVTPPSPSTISWEAPQSSPMGWWPSPN  
 GGLVQHDGYLRMAADPTWYMLEHLLPTAAIPPEPMTPKKSSPAPPPAVDHHRLSPPHDA  
 AGYNGGIQAQHENQHHPQEPQPALLVDGEDGYGAMADSNDTQLGGTEFDTERIAEMFRID  
 LW\*

**Gene Structure**



**LOC\_Os10g26270 (ONAC117) sequence information**

**Genomic sequence length:** 1980 nucleotides

**CDS length:** 1245 nucleotides

**Protein length:** 414 amino acids

**Putative Function:** no apical meristem protein

## Genomic Sequence

> **ONAC117**

ATGGCGTGTGCAGAGACGTATATCGAGAACATGGAGGACAGATGCATCTACTTCTTTAGC  
 AGGAGGCTATTTCGAGCGAAGGCTAGGAACAAGAGGCAGCCGATGAGGGTGGCAAACGGT  
 GGGACGTGGAAGGCATCTGGTGGGAGCAAGACGGTGAGGAGCAAGAAGGTTGGCGGCATC  
 GATGTTGGTCAGAAGCTCACCATGGTGTCTACGAGCGTAGGTTTCGAGGGCGACCAAAAC  
 CCTGTCAAGACCAACTGGGCCATGCACGAGTACACCAAGATCATTCCCTAGCTCCAAAAAC  
 CAGGTAGTACTTGGTAATTTATATTTAAATTCAAATCAGTCCGCAAATACATTACATTAC  
 GATCTATATCTAAATAGGGTGTAGCTATATTTATGGCGTCATACTTTTTATAAAAAAATA  
 GTCGGCATGTATTTATATTGTAAGTTCATAAATTACATATGTAATTTTAGTGTATTTACA  
 ATGTAAGTCTCAAAATTACATATGTAAGTACTAAAAATTACATATGTAAATTCGAAAATTA  
 CATACTAATTGCATATGTAAGTGGGGTGTAATGAGGTGTAAGTACTGTGTAAGTGGCTG  
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 TGCCGCCGCGGCGTCGAGCACGGACAAGCCCTCCACGCCGGAGGCACTGCCACCGCCTAC  
 GCCACCGCCACGGCCATTGCTGAACATGGCCGGATCATCGTCGGCAACGTCGCTACTGCC  
 ACCGCAATTGCCAGGCCTGGCTGGGTTCGTCGTCGACGATGCCGCTGGCACTGCCACTGCA  
 GCTGCCTGGCCTGCCCGGGTCGTCGGCGGCGATGTCGCTCTGCCGGGCTTGGCTGGAGAG  
 ATGACGTCCATGGCGGACCAGGCGAACATGGCCCTCGACGTCACAGGCGTCAGCACCGTCG  
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 CCGTCTCCTAGCACGATCAGCTGCGCGGCGCTGCCGAGCTCGCCGACGGCGTGGTGGCCG  
 TCATCGATCGGCGGGCCGGTGCAGCACGACGGCTACCTCGGGATGGCGGATCCTGCGTCG  
 TGTAATACGTTGGAACACCTGTTGCCAGCGCGGCGATCCCACCAGAGCCAATGGCGCCG  
 CCGAAGAAGTCCGCCGGCGGCGCCACCACCGGCCGACGCCGGCGGCAACTACGACCACCCG  
 GAGCTCGCCGACTACGGCGGCGGCGTCCAGGCGCAGCACGAGCATCATCAGCCGCAGGAG  
 CTGACGGATGGCGCGGACGGCGACGCACAGCTAGAGCTAGGCGCCGCGGAGTTTGATTCC  
 GAACGAGTAGCCGAAATGATATCCCAAATAATGGATGGTGAATTCGTGTTTAAATTTGAG  
 GACGACACCATTTGTTAGCTTCAACGAGGTGGCGGCGGCGCCGATGTTGATCGACGGCGGT  
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## CDS

> **ONAC117**

ATGGCGTGTGCAGAGACGTATATCGAGAACATGGAGGACAGATGCATCTACTTCTTTAGC  
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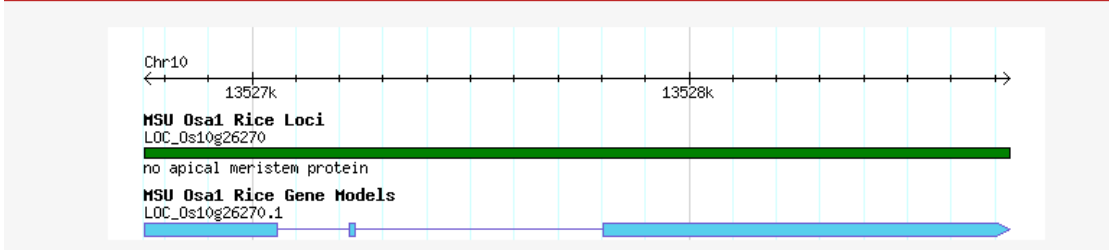
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 GACTGGTACGACGAGTACGAGGTCGCGTACGGTGCCGCGGCGCCGCGTCTCCTAGCACG  
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 GGCGGCGGCGTCCAGGCGCAGCACGAGCATCATCAGCCGAGGAGCTGACGGATGGCGCG  
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 ATGATATCCCAAATAATGGATGGTGAATTCGTGTTTAAATTTGAGGACGACACCATTGTT  
 AGCTTCAACGAGGTGGCGGCGGCGCCGATGTTGATCGACGGCGGTGGGGACGGCGACGGC  
 GATGGTGCAGATGGAGGTGTCGGAGATGATCCATTCGATAATTAG

Protein

> **ONAC117**

MACAETYIENMEDRCIYFFSRRLFAAKARNKRQPMRVANGGTWKASGGSKTVRSKVVGGI  
 DVGQKLTVMFYERRFEGDQNPVKTNWAMHEYTKIIPSSKNQCIYNKEGGHRAGERCRRGV  
 EHQALHAGGTATAYATATAIAEHGRIIVGNVATATAIARPGWVVDDAAGTATAAAWPA  
 RVVGGDVALPGLAGEMTSMDQANMASTSQASAPSELPQDWYDEYEVAYGAAAPPSPST  
 ISCAALPSSPTAWWPSSIGGPVQHDGYLGMADPASCNTLEHLLPSAAIPPEPMAPPKNP  
 AAPPPADAGGNYDHPELADYGGGVQAQHEHHQPQELTDGADGDAQLELGAAEFDSERVAE  
 MISQIMDGEFVFKFEDDTIVSFNEVAAAPMLIDGGGDGDGDADGGVGDDPFDN\*

Gene Structure



**LOC\_Os10g27360 (ONAC118) sequence information**

**Genomic sequence length:** 1978 nucleotides

**CDS length:** 1266 nucleotides

**Protein length:** 421 amino acids

**Putative Function:** no apical meristem protein, putative, expressed

Genomic Sequence

> **ONAC118**

GAGCACATAGCACGCGCGCACTCGTCTCGCCGCTCCACACCCATCGGCTCCAACACCGA

CGAGTAGCTCGGTCGCCGGGGCCGCCGCCGCGCGCGCGCCACCGTGTCGCGACTTCCT  
 CCGTGACCGGGCCGATCGATCGCGAGGCGCGGCGGCGAGGCCGGCATGGCGGCACCGG  
 GAGATGGGGAAGAGAAGAAGGCCGGGAGCGGGAGGAACAAGCACGGGTTCCCGCGCGGCT  
 TCCGCTTCGTGCCCCGGGACCAGGAGCTCCTCGACATCCTCGACGACAAGCTCCGCGGCG  
 CCCCCTCGACCGCGCGCTCGACGCCGTCTTCCACGACACGCGGATCCTCGACTTCCACC  
 CCGCCAAGCTCTACGGTAGCCACCGCCTCTCGATCCCTCTCCCCCTCTCTCTCTCTCT  
 CCTTCTTCTTCTTCTCCGGCGACGGGCTGGGTGGGTGCTCTTGGGGATTTGATTTGACT  
 CGGGTGGATTGGACTGGTTTGGGGCGACGCAGGGATGTACGCGGAGGACGAGGAGAACGG  
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 AATCATGCGTGTAGTTACTAGTTAGGCTCCGATTTGAGCATTGGAATTTCCAGATTTCCC  
 GACTGCTTAGCTTGGTTTTGATCTGCCCCACAAATTTCCGCCAAATTCGTAGTGTTCAAC  
 TGATCAACTTCATGCTCTTTCTGTCCGTTGGTTATTACTTTACTTGTCTACGTGAGATT  
 GCAATTCTGATCTGCAACTGCTTGAATCTGGATGATCAATAGCTGCTTCCCTGCTTT

CDS

> **ONAC118**

ATGGCGGCACCGGGAGATGGGGAAGAGAAGAAGGCCGGGAGCGGGAGGAACAAGCACGGG  
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 CTTGCCGTGTACCGCCTACACAAGCTATGGACGAACGGCGAGGAGAAGCCGGGAGACCTC  
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 GTCGACGAGGTCAACACGTGGCGCAACACGCAGCAGCTCGTGCTCGAGGATGACGACGAC  
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 CGGTGA

Protein

> **ONAC118**

MAAPGDGEEKKAGSGRNKHGFRFRFVPRDQELLDILDDKLRGAPLDRALDAVFHDTRI  
 LDFHPAKLYGMYAEDEENGYIYFFSTIEFKAAKPKQKKWPRRAAQGGRWKAVLGSSQMVE  
 VGGVPVGRKLSMEFYVKGVRTNWGMHEFVRIIGPNIEVADLAVYRLHKLWTNGEEKPGDL  
 AADVAKSTNQSGQASAADYYQTYQNAVSAAYAYAPPYVLQPGWSQGYPYDVAAAPPTAPW  
 PVCWAPPSAPGSYDCCYASTFSRPPPPPIAASTLDKAPITSTDHGA STNTSAATPVANN  
 KPPPPPVAATATTLGKKGEGKGKAPTTTSTDHAGSTNTSAPPAANYQPPPTTTTPPLQGT  
 QHVFAPGVVVGHEDDEEGLIVDEVNTWRNTQQLVLEDDDDDDDDGRAAGAGAGEGGASASG  
 R\*

**Gene Structure**



**LOC\_Os10g27390 (ONAC119) sequence information**

**Genomic sequence length:** 2122 nucleotides

**CDS length:** 1632 nucleotides

**Protein length:** 543 amino acids

**Putative Function:** no apical meristem protein, putative, expressed

Genomic Sequence

> **ONAC119**

GCGCGCGACACGCGACGTCGACACGAGCTCTCGTCTCGCCGCGTCCACACCAATCGGCGC  
 CGCCGTGTAGCGAAGACTAGCTAGCTCCCTCTCCTCCGCGAGACCGGCCGATCGATCGGG  
 GCATCGCGCGGCGCGCGCGGGCGGGGCTAGCTGGGCATGGCGGCACCGGAGGATGGGG



AGGACAAGAATTTTCGGGAAGAACAAGCACGGGCTCCCGATCGGCTTCTACTTCGCGCCCA  
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 CGCACGACGCCTTCTTCCACGACATCCGCATCCTCGACTTCCACCCCGCCGAGCTCTACG  
 GTATCCACCCCTTCTCCGTCTCTCTCCTTGTCCCCCTTCTTCTTCTTCTCCGGCGCCGGCGA  
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 ACAACCGTGGAACAACAAGCGTCGGCTGCGGCCATGGCGCTGCCACCGCCGGCGACGGGCC  
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 CCACCGGCGACGACGTCACATCTGCCGCCAGTGACAGGTGACGACGTCAGTGGCAGTCAGC  
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 AAATTTTCGTCGAATTTGCAGT

CDS

# > **ONAC119**

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 TTCTTCAGCAAGAGGGAGTTCCCGACGAGCAGCAAGAAGCGGCCGCTGCGGGTGGCGGAG  
 GGCGGCGCGTGGAACAGCTCCGGCGCCGTTTACAAGGTGGTGAAGAGCAGCAAGTCCGGC  
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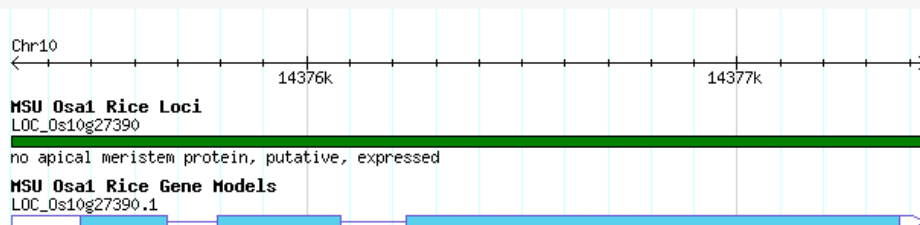
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 CCTGCGCGTTGA

Protein

#### > **ONAC119**

MAAPEDGEDKNFGKNKHGLPIGFYFAPTDQELLAILEAKRLGRPLSRAHDAFFHDIRILD  
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 GGYDVGHKKTLVFHQRFPGDKEAVKTNWAIQEFTRIIGPQNEVPDLAVYRLYKMRKEGRE  
 TPADLAADAAAAAAMNRRGQASAAAMALPPPATGLPGGRMMSMADKANMASTSKAYGP  
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#### Gene Structure



#### LOC\_Os10g33760 (ONAC120) sequence information

**Genomic sequence length:** 2310 nucleotides

**CDS length:** 975 nucleotides

**Protein length:** 324 amino acids

**Putative Function:** No apical meristem protein, putative, expressed

#### Genomic Sequence

##### > ONAC120

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CDS

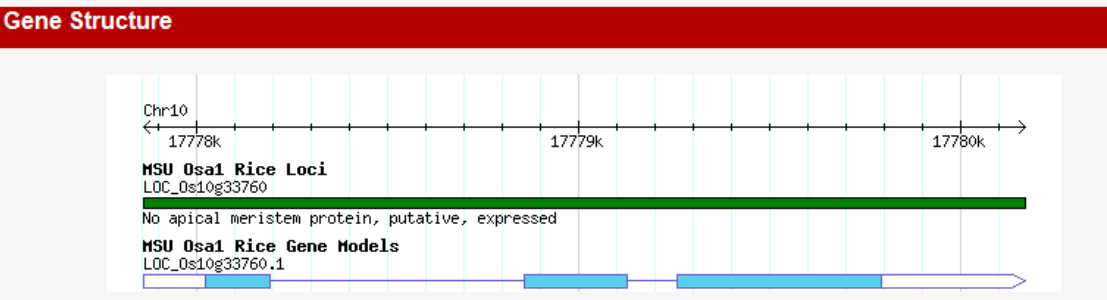
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Protein

> **ONAC120**

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TDGSTDPSSPTTMAPLLGSSPDPTVVDRFDHRSAAVPPLMVLQMGGGDQMISGSGVHCSN  
NDNSGSSSALLNLTMLQYSFLEHRPTGDDMAVGAHFGTCQGGNNDATMALGMGFEEHGMG  
EIIEMEPAWRQGGSNVCYRDELYF\*



**LOC\_Os10g42130 (ONAC121) sequence information**

**Genomic sequence length:** 2586 nucleotides

**CDS length:** 990 nucleotides

**Protein length:** 329 amino acids

**Putative Function:** no apical meristem protein, putative, expressed

## Genomic Sequence

> **ONAC121**

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CDS

> **ONAC121**

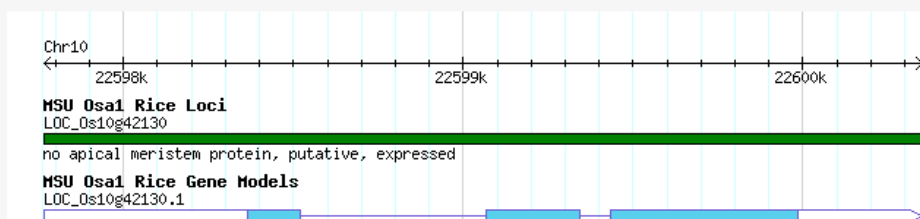
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Protein

> **ONAC121**

MGMTLPPGFRFHPTDDELVGYYLKRKVDLSLKIELEVIPVIDLYKFEPWELPEKSFLPKR  
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AAPLLCRQASDGDDLTAWFTAADDNMSVF\*

**Gene Structure**



**LOC\_Os11g03300 (ONAC122) sequence information**

**Genomic sequence length:** 2125 nucleotides

**CDS length:** 1176 nucleotides

**Protein length:** 391 amino acids

**Putative Function:** NAC domain transcription factor, putative, expressed

#### Genomic Sequence

##### > ONAC122

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#### CDS

##### > ONAC122

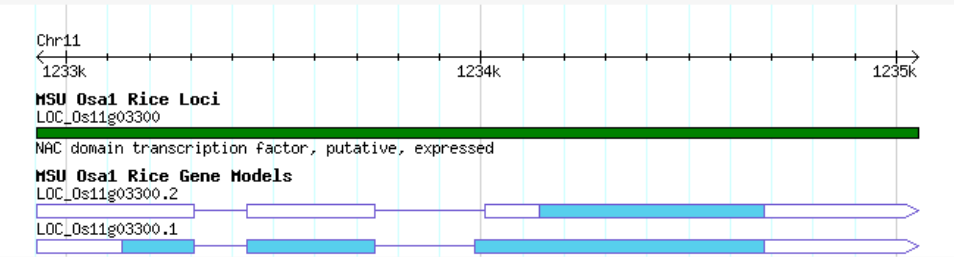
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Protein

> **ONAC122**

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Gene Structure



**LOC\_Os11g03310 (ONAC123) sequence information**

**Genomic sequence length:** 5337 nucleotides

**CDS length:** 867 nucleotides



**Protein length:** 288 amino acids

**Putative Function:** no apical meristem protein, putative, expressed

#### Genomic Sequence

##### > ONAC123

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TCTAGCTGCTCTGAATTTATTGTTCTGAAGAATTCTTGGATCTTGGCAGCTCTGAAGAAT  
TAGATAGCATGATGTGCTTGCTTACTCAGCTTTGACATTTTGTTCCTTTTAGGAATTC  
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AGTTCTTTCTAGCTTGACAGTGTGAGAGTTGCAGGTCATGACCCCCAAGAACCAACAATGA  
AACAAACACCTTATGTGGCAACCTATCTATGGGCCAACATGACGTACGTCGTTGTTGCCG  
ACAATTGGAAATCTCAAGCGTTGCTATGCTAGCTTAACCAAAATTTTACTTTTCAGCAAAA  
GGTCGGTTTCAGCTAGCTAAAGAATAGTAATAGACTGTAATGGACAGTAGTAGCTAGGAG  
CTCTCATTAATGCCGTGTGTATTTATCATACTGAATATAGTATTTCTAGCATTTTGTATA  
ATTTGGTTTGGCTAGCTGCAGTGTAGATCCGGTTGGATAAGAGATCGGATTTTACCTATT  
TTCTTAAAGGAAAAAATTTCTGAACAAGTGGCCGGTAGCATATGTTGAGGATGTTGGTCA  
AGAGAAAAAGAACAGGAGACGGTTTCGTCAGAGCACGCAAATTAAGGAGAATTGCTTTT  
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CATCAGTGCTTCATGCATGTGGTACGGATGACGTAATGCTTACTGTACGATCCGTAGCAT  
ACATTTCAATCTTACTGACATGTTATTTGACAATGATTGGCATGATTAGATATATAGATA  
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CAGCGTTTTGTAAATCCTTATAACCCCTTCAAACCATCGTGTGTCCGGTCTACTACCTCT  
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GCAATCACCAATAAACAGCTAGCTAAAGCATGATGATTAAGTCACACTCACACATGCATG  
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 AAAGCCCGCAGGTGTAGTCTTAGATCATCGAACCGAGCGGTCCGGAATACATTCCAAAAG  
 CAGAAATAGATAAGGCAGCGGAGTTTAGGCAGCGGCACGCTATTGCCACAGGCATCGACC  
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CDS

> **ONAC123**

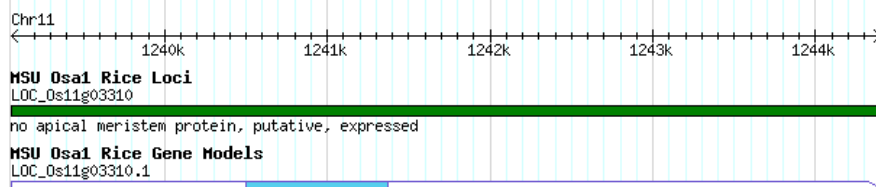
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 ACGCTGGTGTCTACATGGGGAGGGCTCCAAAGGGCACCAGGACCAACTGGGTGATGCAC  
 GAGTTCCGTCCCCACGCCAACCTCCACAACCACTACCCAAACCTTCGTCTCAATCCCAAC  
 GAATGGGTTGTGTGCAAGGTGTTCCACAAGAAGCAGGGAGACGAAGCCATCAACAACCAG  
 CAGCAGCAGCCTGCCGTTGATCAAGCCGACGACGACGACATCTTTCAGCTAGATGACATC  
 TTCGCCGACCCCAGCATCTACGACTTCAGCAACTCATCTGCCAACATCTTGTCTGGCGCCG  
 CCCAACAACAATGCGGTTTATTCTCCGTTTCTGCAGGTACGACGATGACTAGTACGACT  
 ACCGCCAGTAGCTTCCAGCATCAGCCAACTGCTATAGTGCGCCTCTGCAGCAGCACGTC  
 TCCTCTTGAATAATACGCTGGAGCTGGAGGAGCCCATGGAATTGGAAGCAGCTACTAC  
 AACTTGACGACGAGCAGCAGCAGGAGCAATGGTGAAAGACCTAGAAGATATCATTGCT  
 GTCCCGGATTATGGTACGCTACTGCCGAGCAGCAACAAGGGTTCATCAATAAGGTCGGCG  
 ACGGCTGGAGTTTCGACGAGAATCCCCTTGGCGTGCCGAGTACAAGATAGAGAATTAT  
 GGGGATCATTACATATCACGAGAGTAA

Protein

> **ONAC123**

MGNNWFYFSRKDMKYPTGMRTNRTKEGYWKATGKDREIFKPAIYEGSSKNNKQLVGMKK  
 TLVFMGRAPKGTTRTNWVMHEFRPHANLHNHYPNLRNPNNEWVCKVFHKKQGDEAINNQ  
 QQQPAVDQADDDIFQLDDIFADPSIYDFSNSANILSAPPNNNAVHSSVSAGTTMTSTT  
 TASSFQHQPNCSAPLQQHVSSWNTPGAGGAHGIGSSYYNLQQQQQAAMVKDLEDIIA  
 VPDYGTLLPSSNKGSSIRSATAGVSQQNPLGVVPQYKIENYGDHYISRE\*

**Gene Structure**



**LOC\_Os11g04470 (ONAC124) sequence information**

**Genomic sequence length:** 1429 nucleotides

**CDS length:** 1077 nucleotides

**Protein length:** 358 amino acids

**Putative Function:** hypothetical protein

#### Genomic Sequence

##### > ONAC124

ATGGCGAAGAAGATGACAAGAAGCAGAAGGGCCCGACGTGACGGTGCCCTCGGGATAC  
 TTCTTCGTGCCGAAGCCGGAGCAGCTCATCCGCGACTACCTCAACCACTGGATCACCGGC  
 CGGCCGAGCGAGGAGCTCCGGGACATTGTCCGGGAAGCCGACGTCTACGGCTCCGACCCG  
 GCGACGCTGACGGAGGCGCACAGTGCGTACGGCCACGACGGCAAGTCGTGGTACTTCCTC  
 ACCGTCGCCAAGTGGAAGGGCGGCAGGGGCGGCCAGTTAGCAAACGATGAGCGAACAA  
 ACGATAATAAATAATAGATCAATCACAGAAGACACGACATTTAACGTGAAAAACCCTTCT  
 AAAATAGGAGAGAAAAAACACGGGCGCCAGCCAGCAAAATATCTTCACTATATCTAGGG  
 TGAGGTTACAACGCCACACGACGGCTTACAAGAGGTATATATACGGTGGAACCCTAAAAG  
 GGATGACGATCCGTTTCGCGGGGGCTCCGCCTCCGCACCCCCGAGCGTTCCCCGCTACGC  
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 TAAGTACAAATGAATTTGGATCACAACCTCAACAGCGCGGCGGCTTCGAGGGCGGCGGCAC  
 GTGGCACAACCTCGCAGCGCCGCCGCGTCATCGAGGGCTACGGCGACCGTCAGGCGTTCGA  
 GTACCGCGCCCCCGGAACAAGAAGACGGACTGGCTCATGGAGGAGATCGCCAGCAACCT  
 GCCGGCGGCGATCACCGACGAGGGCATCATGGTCATCTGTAAGGTCTACCTCTCGCCGAG  
 GGCCAAGGAGGCGACGGCCAACGAGGAGGAACGCCAAGAAACCAACGTGGTTCCCGGGCC  
 CAAGAGGCTCCGAGAGGCGGAAGCCACCGGCTACGACGCGCCGGCGCCGACAGCCCGA  
 CGTCGGATACTCGTACTCCGGCGGCGGCGAGACGTCTCAAGCGACCGCCTCGATGGACTA  
 CTGCTGCTCGACGACGACACACGCGGACGACACGGCCAATGCCGCCTACTACCACGG  
 CGACGCTGATGCCATCAAGCCAGATGCTTACGACGCGGCGACTACGGCATCGGCTTCAA  
 CGCAGACGGGGAGCTGGTTCTCTGCGGCAACGGCCACGGTGGCATCGGGACGCAGGGACA  
 GACGCCATTGGCAATGCAGAACACCAACGGGGAGATGACCTTGTTCTACCAATGAACGG  
 CTATGGTGTTGGCTTCAATGAGGAGGTGAGACAAGAACCACAAGTAGAAGGTGAGGTGGA  
 GATGGATAATTTCTTCAACGATTTGTTTCGTCGACTTCGACGGCGCCGGTGATCTCAATCC  
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#### CDS

##### > ONAC124

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 TTCTTCGTGCCGAAGCCGGAGCAGCTCATCCGCGACTACCTCAACCACTGGATCACCGGC  
 CGGCCGAGCGAGGAGCTCCGGGACATTGTCCGGGAAGCCGACGTCTACGGCTCCGACCCG  
 GCGACGCTGACGGAGGCGCACAGTGCGTACGGCCACGACGGCAAGTCGTGGAGAGAAAAA  
 ACCACGGGCGCCAGCCAGCAAAATATCTTCACTATATCTAGGCGCGGCGGCTTCGAGGGC  
 GGCGGCACGTGGCACAACCTCGCAGCGCCCGCGTCATCGAGGGCTACGGCGACCGTCAG  
 GCGTTTCGAGTACCGCGCCCCCGGAACAAGAAGACGGACTGGCTCATGGAGGAGATCGCC  
 AGCAACCTGCCGGCGGCGATCACCGACGAGGGCATCATGGTCATCTGTAAGGTCTACCTC  
 TCGCCGAGGGCCAAGGAGGCGACGGCCAACGAGGAGGAACGCCAAGAAACCAACGTGGTT  
 CCCGGGCCCAAGAGGCTCCGAGAGGCGGAAGCCACCGGCTACGACGCGCCGGCGCCGCCA  
 CAGCCCGACGTGCGATACTCGTACTCCGGCGGCGGCGAGACGTCTCAAGCGACCGCCTCG  
 ATGGACTACTGCTGCTCGACGACGACACACGCGGACGACACGGCCAATGCCGCCTAC

TACCACGGCGACGCTGATGCCATCAAGCCAGATGCTTACGACGGCGGCGACTACGGCATC  
 GGCTTCAACGCAGACGGGGAGCTGGTTCTCTGCGGCAACGGCCACGGTGGCATCGGGACG  
 CAGGGACAGACGCCATTGGCAATGCAGAACACCAACGGGGAGATGACCTTGTCTCACCA  
 ATGAACGGCTATGGTGTGGCTTCAATGAGGAGGTGAGACAAGAACCACAAGTAGAAGGT  
 GAGGTGGAGATGGATAATTTCTTCAACGATTTGTTTCGTCGACTTCGACGGCGCCGGTGAT  
 CTCAATCCCAATCCTAACGGGGGTGGAGACAGCCACGGCCACATACTATGTGAATGA

Protein

#### > ONAC124

MAEEDDKKQKGPDTVPSGYFFVPKPEQLIRDYLNHWITGRPSEELRDIVREADVYGSDP  
 ATLTEAHSAYGHDGKSWREKTTGASQQNIFTISRRGGFEGGGTWHNSQRRRVIEGYGDRQ  
 AFEYRAPGNKKTDWLMEEIASNLPAAITDEGIMVICKVYLSPRAKEATANEEERQETNVV  
 PGPKRLREAEATGYDAPAPPQPDVGYSYSGGGETSQATASMDYCCSTTTHTADDTANAAY  
 YHGDADAIKPDAYDGGDYGIGFNADGELVLCGNHGGIGTQGGTPLAMQNTNGEMTLFSP  
 MNGYGVGFNEEVRQEPQVEGEVEMDNFFNDLFVDFDAGDLNPNPNNGGDSHGHILCE\*

#### Gene Structure



#### LOC\_Os11g04960 (ONAC125) sequence information

**Genomic sequence length:** 1852 nucleotides

**CDS length:** 1356 nucleotides

**Protein length:** 451 amino acids

**Putative Function:** no apical meristem protein, putative

Genomic Sequence

#### > ONAC125

ATGAACCCGACAATAGAAAAACGGCGGCAGCGCGGCGATGGATCGGCGGCGGCGGCAGCG  
 GCGGAGGGAAGTGCGATCTGGAAGAGTGAGCTGGTGCCGAGCTACAGCTACCTCCGGGC  
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 GGACGCGACCCGCTCGCCACTTCATCAGTGAGGAGAATATCATGCGTTATGATCCCCAA  
 AAGCTGATTGGTAATTTAATCTTCTTTTAGCTAATTGATCGCTTGATTATCCATGAAAA  
 AAAAGGTTTAATTATGTATGTCTATGAACCAAATTGGTTTGTGATAACACAATATGAATG  
 CATTAGAGAAAATACAAGGGCTATGGGGAAGACAGGTGGTACTTTTTTCATGGTGAGGGAGC  
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 AGGGAAGCTGGAGCGGACGGGGAGCGTGGTGAGATTACAGCACCAAGGAGACGAACC  
 GGAAGGCTATCATTGGCAGCAAGAGGGTTCTCACTTATAAATCTGCTCGTCCGCTGAGA  
 ACGACATGTGGAGCATGCATGAGTATGTCTTGGCAGGCAAATCCCAGGTACTTTGATAAT

CCAACATCTTTTGAAGCATTTATATATTTTTTTTTTAAAAAAGATGATGGGTCAAAGTT  
 TGTGTGTGAATAGTACCCCTCTCAATTCATATGACAAGTTTTTCATATGACAAGTCGTTTT  
 ACTTTTTAAGTTTGACTAAAATTTATATGAATACAAAACAAATATACCATCAAAATATATT  
 CAACATAGTATATTAGATATAGTGAGACTAATTTGGTGATGTACAGATGTTGCTATATTT  
 TACTATGATCTTAGTTAACTTGAAGAAATTTGATATAATATGAATCAAAGTGAGTATCT  
 GATAAAAAATAAAAGTGAATGAAGGGAGTACTACATGTTGGTGTATGATCGATCAATGTA  
 CTTGCAGATGGGTGAGTATGTATTGTGCGCGATACAGCTGAAGCAGACCTACGAGAGAGA  
 AGAGAAGGCCCGGAGGAGCAGAAGAATGACAACAAACGCAATAAAAAGGCCGCAAGGAG  
 GAAGAACATGCAGCAGCAGCCTACTGCTTGCCAGGCACAAGACGAGCAGCAGGAAACAGC  
 ACCAACACCTGGAGAAGAAACCATTGTGGATCCTGACCAGTTCATGGATATTGCCCATTC  
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 TGCTCCTTGCAACAACGATGATGGCATGCTGCAACTTCAACCACTCCAATTGCAGAACCC  
 AAACCTGCAATGCTGTACAGTAACCAGCTGGAACCATCGTACATTGGTGATCAGTCGAT  
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 GCAACAGCAAGCAGAGGATGGCAGTGTGTCATTTGGAGAGGCTGATCTATACCAACAACA  
 TGATAGGGCATTGGGAAATACTGGTGTATACCCTGACAATGTTTGGGTGGATGGTAACAT  
 GGCAGATTATGCTCAGCGTCAGATTTACAATGATCAAGATAATGGTGGTGTATTAATGCA  
 AGGGCCGAGGATAGCGCAACTTTCCCTGACAACTTCCTGATGCTGGACGAAATGGCGGC  
 AGGTAGCGATGATGCGTCAGGCTTTGATTATGAGGTTGATCAATCCATGGCAGTCGTCCC  
 ACATGTTGCTGATCAGACCGTCGATGATATTATGTCGTCAGTCTTAATTGA

CDS

> **ONAC125**

ATGAACCCGACAATAGAAAACGGCGGCAGCGGCGGCGATGGATCGGCGGCGGCGGCAGCG  
 GCGGAGGGAAGTGCGATCTGGAAGAGTGAGCTGGTGCCGAGCTACAGCTACCTCCGGGC  
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 GGACGCGACCCGCCCTCGCCACTTCATCAGTGAGGAGAATATCATGCGTTATGATCCCCAA  
 AAGCTGATTGAGAAAATACAAGGGCTATGGGGAAGACAGGTGGTACTTTTTTCATGGTGAGG  
 GAGCCGTGCAAGACGAAGAAGAAGGACGAGCCGAACAGGAAGGTGGTGGTGGATGGGGTG  
 GAAGAGGGAAGCTGGAGCGCGACGGGGAGCGTGGTGCAGATTCACAGCACCAGGAGACG  
 AACCGGAAGGCTATCATTGGCAGCAAGAGGGTTCTCACTTATAAATCTGCTCGTTCCGCT  
 GAGAACGACATGTGGAGCATGCATGAGTATGTCTTGGCAGGCAAATCCCAGATGGGTCAG  
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 GATGGCAGTGTGTCATTTGGAGAGGCTGATCTATACCAACAACATGATAGGGCATTGGGA  
 AATACTGGTGTATACCCTGACAATGTTTGGGTGGATGGTAACATGGCAGATTATGCTCAG  
 CGTCAGATTTACAATGATCAAGATAATGGTGGTGTATTAATGCAAGGGCCGAGGATAGC  
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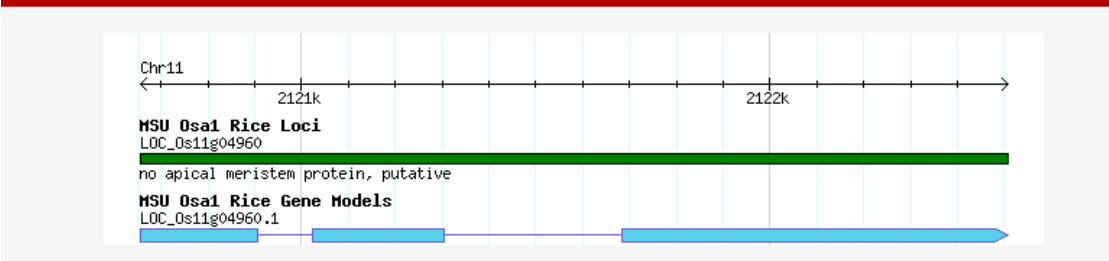
ACCGTCGATGATATTATGTCGTCAGCTGCTTAATTGA

Protein

> **ONAC125**

MNPTIENGSGDGSAAAAAEGSAIWKSELVPQLQLPPGYHFVPTDEELVDFYLRGKIE  
GRDPPRHFI SEENIMRYDPQKLEKYKGYGEDRWYFFMVREPSKTKKKDEPNRKVVVDGV  
EEGWSATGSVVQIHSTKETNRKAIIGSKRVLTYKSARSAENDMWSMHEYVLAKSQMGQ  
YVLCALQLKQTYEREEKAREEQKNDNKRNKKAARRKNMQQQPTACQAQDEQQETAPTPGE  
ETIVDPDQFMDIAHSMHMMFGGVDQDAPPFMPSLIAPCNDDGMLQLQLPLQLQNPAMP  
YSNQLPSYIGDQSMFTPCCCDRNCISCRQLQFYQQQQAEDGSVAFGEADLYQQHDRALG  
NTGVYPDNVWVDGNMADYAQRQIYNDQDNGGVLMMQGPEDSATFPDNFLMLDEMAAGSDDA  
SGFDYEVDQSMMAVVPHVADQTVDDIMSSLLN\*

**Gene Structure**



**LOC\_Os11g07700 (ONAC126) sequence information**

**Genomic sequence length:** 804 nucleotides

**CDS length:** 804 nucleotides

**Protein length:** 267 amino acids

**Putative Function:** NAM, putative

Genomic Sequence

> **ONAC126**

ATGGCTTCCACGTCGAGGAAACGTTTCGGCGCGTAGCCTGCAAGAAGATGAGCAGACCTCA  
TCGGCGGCAGAGGCGCCGGCGCGGTGCGAGAGGACGAGGAGCGGTTGCGGTGGCGGGC  
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CCCACCGACGCCGACATCGTCGCCTCCTACCTCCTCCCGCGCGCGCTCTACGGCCGCGGC  
CACGCCGCCGTTATCCAGGACGACGTGTCGAGGTGCGAGCCGTGGACGCTGATGCGGGAG  
CACGGCCACGCCACCAGCGCGCACGCCTTCTTCGTCCACGACCACGAGAGCGTCGGCGGC  
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CDS

> **ONAC126**

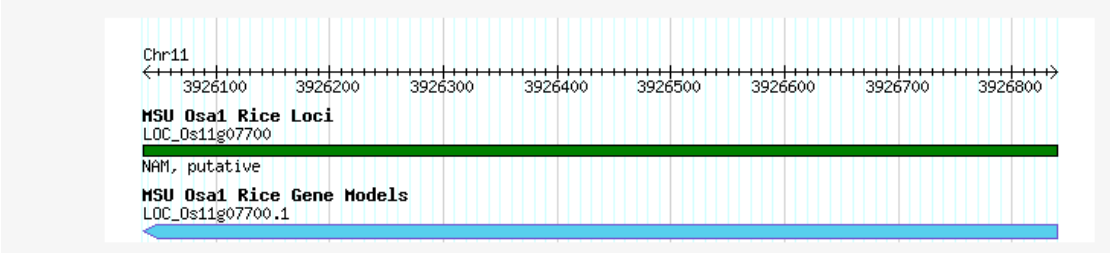
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GGCGAGCTCGACGTGGTGTAACAAGCGGCGCAACCTGAGCTTCCACCGCCGCGGCGAGAGC  
TCCTCCTCCGGATGGGTCATGCACGAGTACGAGATCACCTCGCCGCCGCTCCCCGCCACC  
GTGCTCTCCCGGATCAGGGCCACCCCCAGGGCCAAGGACAAGAAGCTGTGCATCAAGGAG  
GAGCCCTCCTGCTCCACCTCCGCCCGGCGAGCGCTCTGGCCCTAACCCAGACCACACC  
GCCGCCGGCGCCGGTGACAGCGCCACTGCCAACCACAACAATAACGTCGCGGCGGACA  
ACAACATATGGCAGCGGCGGTGTAG

Protein

> **ONAC126**

MASTRKRARSRLQEDEQTSSAAEAPAAVREDEERVAVAGMEAWRFGFSRFSWFPAFKFD  
PTDADIVASYLLPRALYGRGHAIVIQDDVSRCEPWTLMREHGHATSAHAFFVHDHESVGG  
GGGGRRKVKQRAVKNNGGVWRIQKGEVAILTIVRGGGGGGGELDVVYKRRNLSFHRRGES  
SSSGWVMHEYEITSPPLPATVLSRIRATPRAKDKKLCIKEEPS CSTSAAGERSGPNPDHT  
AAGAGDSATANHNNTTSAATTTMAAAV\*

Gene Structure



**LOC\_Os11g31340 (ONAC127) sequence information**

**Genomic sequence length:** 2526 nucleotides

**CDS length:** 834 nucleotides

**Protein length:** 277 amino acids

**Putative Function:** no apical meristem protein, putative, expressed

Genomic Sequence

> **ONAC127**

ATCACAAATAGCATCATTCAATCTTTAATTCATTTGAGAGTTGAGAGTGAGCGGAATATAT



TTGTATTCTACGATTGAGGAGAATGGCCAGCCCTGGAGTTTGCATCAACTTGGTGAATGG  
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 CATTGAGGAACCGGTGCCCTGTGACTTCATCACCAACGTCGACATTCTCCAGCACAAACC  
 CTGGGACATCGTCCCTGGTAAATATTTTTTTGACCCACACAGGCTTACTCCCATTAGATA  
 TATTAATCCAAAACCTTTGCCAGCTTCTTCAGTTAATTTGATCAATCTGTAGTATAACCTC  
 AATAGATAGTTTGCAGTTGTTTTGATAGTTAATTTATTGTCTGCTGGGTTGATGATGATG  
 GAGCAGCGGAGGAGAAGACAAATGGGAAGTACTTCTTCATCCATGAGGAGAACGAACGCC  
 TTGGCAACCACCACAGCAACCGTGCTGCTGGTGATGGGTTCTGGAGGCCAGTAGGCTCAG  
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 GCTATCCCCTTTGTCCCGGTTGTTTAGAGACATAACAGTTATGGGATCAATAAGATACT  
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 CTTTGTGAGCTCCATGCATGATCATTATCCCCTTAGTGTCGGGAAGGGATGTTTCAGATC  
 ATGTTTTGATCCTGGTCTGTACCTTTTCATGGAAAGTGACATCTCTACAGTTTATTGGTG  
 AAACCGGATGGTAGATTGATGACACTCCTTTGCCCATATATGGAAGAAAATTGGACATAG  
 AAGATACCAATTCTTCTAATTCAGTCACTAGATGATTAGCACAAATCTGGAATACAACCT  
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CDS

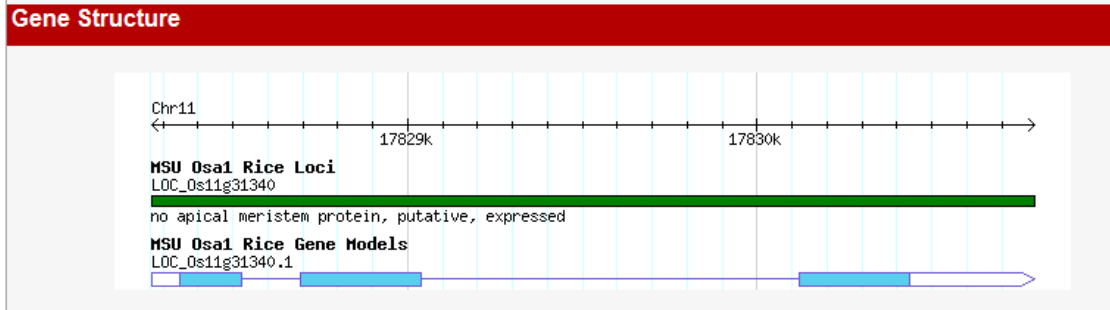
> **ONAC127**

ATGGCCAGCCCTGGAGTTTGCATCAACTTGGTGAATGGTACATCGACGCGCCTCCCCACC  
AATGCTGATCTAGTAGTCCACTACCTGCACCGTCGCGCCATTAGGAACCGGTGCCCTGT  
GACTTCATCACCAACGTCGACATTCTCCAGCACAAACCCCTGGGACATCGTCCCTGCGGAG  
GAGAAGACAAATGGGAAGTACTTCTTCATCCATGAGGAGAACGAACGCCTTGGCAACCAC  
CACAGCAACCGTGCTGCTGGTGATGGGTTCTGGAGGCCAGTAGGCTCAGAGGTGCCGATA  
TATCACAAACGTAGTGGTGGCGCTGATGAAGCACTGGTGGGGATGAAGCGCACCTTGGTA  
TTCCACTACGGGAATTCTTCGTCCGCAAAGCGCACCGAATGGGTGATGCAGGAGTTCCGA  
CTTGCTGGTGCTACCCCTATACCTTGCCCTGTGACGAGGCCAGCCACCGGTGATGGCTCC  
ATGCTTCCCTGCCACCGCACAGGAACGACCATCGCCACGGAACAATGGAAGTCCATCA  
GCTGGACAAACTCATGGCCCACTTGAGAAAACCATGGTGAACCTGATAGTTCTTTGCGG  
ATATGTCGCATCTACAAGAAGAGGCAACGAACACCACAGTTCATCATCCCTCCATCCATT  
GGCGATGCAAGGGAACATCCTCGCCCTTCCTACAATTGGCAATACAAGGGAAGTCGCC  
CTCGCCCTTCTGCCATTGACTTCCTGGGGCAGCCATCTTTCGAGGAAGGGAGTGATGTG  
TCTGCCGATGTCATCACGGATGACAAGGATGGTTATGGCCATGGCATGAACTAA

Protein

> **ONAC127**

MASPGVCINLVNGTSTRLPNADLVVHYLHRRAIQEPVPCDFITNVDILQHNPWDIVPAE  
EKTNGKYFFIHEENERLGNHHSNRAAGDGFWRPVGSEVPIYHKRSGGADEALVGMKRTL  
FHYGNSSSAKRTEWVMQEFRLAGATLIPCPVTRPATGDGSMPLCHRTGTTIATENNGSPS  
AGQTHGPLEKTMVEPDSSLRICRIYKKRQRTQFIIPPSIGDARELILALPTIGNTREVA  
LALPAIDFLGQPSFEEGSDVSADVITDDKDGYGHGMN\*



**LOC\_Os11g31360 (ONAC128) sequence information**

**Genomic sequence length:** 2278 nucleotides

**CDS length:** 873 nucleotides

**Protein length:** 290 amino acids

**Putative Function:** no apical meristem protein, putative

Genomic Sequence

> **ONAC128**

ATGGCTGGTCCTGGAGTTTGCATCAACTTGCTGAACGGTACCACGATGCACCTCTCCGTT  
GGGTGTGTGTTCCGCCCCACCGAGGGTGAGCTTGTGTCAACTACCTGTACCGCCGTGCC  
ATGCAGGAGCCGCTGCCTTGCGACTTCATCACCGATGTGGACATCCAGTGCCACAACCCT  
TGGGAAATCGTTCCTGGTAAATATATTTTGACTCGCACTGTGTCACTCCCAAATCTTTGG

CAGCATCTTTGATTAGTTTCATCAATCAGTAGTATCTCCTCAGCTAGATCGTTTGTAGGG  
 ATTTTGACAGTTAATTTCTTGTATGATTATGTTTGAGTGTCAACTTTTCTATTGTTATGT  
 TGGTGATGCTGGAGCAGCAGGGGAGAAGAAGAATGGGAAGCACTTCTTCACCCGCAAGGA  
 GAACAGCCACCCTAGGGACTATGAAAGCAACCATGCCGCTGGTGATGGGTTCTGGAGATT  
 GGCAGGCACAGAGGTCCCAATATACAACAAACCCAGCGGTGGTGCCGATGAAAACTAGT  
 GGGGATGAAACGCACCCTGGTGTTCACCTTTAGGAAGTCTTCATCCACAGAGCGCACCGG  
 ATGGGTGATGCCGACTTGCCGGTGCCAGCCTTGTGCCTTGCCTTGTGATGAGGCCGGCCA  
 CCGGTGATGTCTCCATGCCTCCCTGTGGTTGCACCGAAACAACCACCACCAAGGTGAGAC  
 GCTGCATCCAAACATCACTATGTCTATTGTATTGGATATGATATAGATTCCCCCTCAAAAA  
 AAAAAAGGATATGATATAGATTTGTTTCTGTATTTTTTAATATGATTGGTAAATTATTTGTA  
 TAAAACCGTAGGACTGTGAGGTTCAAGTTGGGGAATAGGGAAACATGAGGAATTACTATC  
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 GATTGATTGATGCCATGCAAGGTGCGTGGGATCTAGTGGTGATTCAAATTTTGTATATA  
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 TAGTGAAACTCATTATTGAACACCATGTGTTTTTATCCCCTTAGTCCTGAGACGTTTGA  
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 GTTGTGAGTTTGTGTTTTTATTAATGAAATCTTTGCTGAACACTATGCATGCTTGTCCC  
 CTTAGTCTCGGTAAGGGATGTTTAGATCATGATTTGATCTTGTACTCCTGGTCGCTACTT  
 TTCCTTAAAAAAGTGGCATCACTACAGTTATTGGTGAATCGAATGGGGGTGACACTCCTT  
 TGCCCATATTAGGTACTCCCTCCATTTCAGTTATAAGATGTTTGTGACTTTGGTCAAAGT  
 CAAACTATTACAAGTTTGACTAAGTTTTTAAAAAATATAGTAATATTTATAATACCAAAT  
 TAGTTTCATTAAATCAATAATTGAATATATTTTCATAATAAATTTGTCTTGGGTTGAAAA  
 TGTTTTTTTTTCAAACCTAGTCAAACCTAAAGCAAGTTAATTTTGACCAAAGTCAAAACA  
 TCTTATGACCTGAAACGGAGGGAGTAGAAAAATTGGACATAGAGAAGTTACCAAATTCTTC  
 TAATTCAGTCAGTACATGAGTAGCACAAAACCTGGCATGCAACTATTTTTTACTACTAGTA  
 CACTTCATCCGTCTCTCTTTATTGTAGATGCCATCTATACCACGGTTGCACCTTAATAGA  
 CTATATGCGAACTGTTTTGCAGAAAAACAATGGCAGTCCGTCTGCTGCCATACTCATGC  
 CCCTCTGGTGGAACCATGGTTCGAACCTGATAATTCTTGGATGATATGTCGCATTTACAA  
 GAAGAGGCAGCGTGCACCGCAGGTATCATCCCTCCGTCCATTGGCAATGCAAGGGAAGC  
 TGTCTCGCCGTTCCCTGCCATTGGCAATGCAGGCGATCGTCAAGTCACTTCATTGACTTC  
 CCAGGGCATAGATGTTTCGAGGAGGGGAGTGATGAGTCTGCCAATGTCATCACAAGGAC  
 AAGGGCAGTGATGGTTATGGGAAGAACTAATAGAAGGAAGAACTCGGCTTAGTTTAG

CDS

# > ONAC128

ATGGCTGGTCCTGGAGTTTGCATCAACTTGCTGAACGGTACCACGATGCACCTCTCCGTT  
 GGGTGTGTGTTCCGCCCCACCGAGGGTGAGCTTGTGTCAACTACCTGTACCGCCGTGCC  
 ATGCAGGAGCCGCTGCCTTGCAGCTTCATCACCGATGTGGACATCCAGTGCCACAACCCT  
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 GCAGGCACAGAGGTCCCAATATACAACAAACCCAGCGGTGGTGCCGATGAAAACTAGTG  
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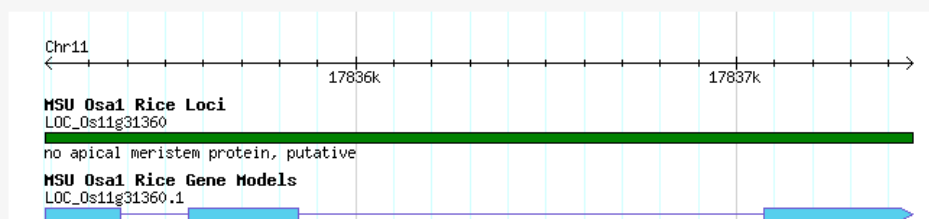
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 ATCATCCCTCCGTCCATTGGCAATGCAAGGGAAGCTGTCCTCGCCGTTCTGCCATTGGC  
 AATGCAGGCGATCGTCAAGTCACTTCATTGACTTCCCAGGGCATAGATGTTTCGAGGAGG  
 GGAGTGATGAGTCTGCCAATGTCATCACAAAGGACAAGGGCAGTGATGGTTATGGGAAGA  
 ACTAATAGAAGGAAGAAACTCGGCTTAGTTTAG

#### Protein

#### > ONAC128

MAGPGVCINLLNGTTMHLVSGCVFRPTEGELVVNYLYRRAMQEPLPCDFITDVDIQCHNP  
 WEIVPAGEKKNGKHFFTRKENSHPRDYESNHAAGDGFWRLAGTEVPIYNKPSGGADEKLV  
 GMKRTL VFHFRKSSSTERTGWVMPTRCQCPCALPCDEAGHRCHLYHGCTLIDYMRTLQK  
 NNGSPSAAHTHAPLVETMVEPDNSWMICRIYKKRQRAPQVIIPPSIGNAREAVLAVPAIG  
 NAGDRQVTSLSQIDVSRRGVMSLPMSQRTRAVMVMGRTNRRKKLGLV\*

#### Gene Structure



#### LOC\_Os11g31380 (ONAC129) sequence information

**Genomic sequence length:** 1900 nucleotides

**CDS length:** 723 nucleotides

**Protein length:** 240 amino acids

**Putative Function:** no apical meristem protein, putative

#### Genomic Sequence

#### > ONAC129

ATGCACCTCCCCGCTGTGGGCATGTCACACCCACCGAGGGTGAGCTTGTCTTCCACTAC  
 CTCTATCGTCGTGCCGTTAACATGCCGCTGCCCTCTGAATTCATTTGTGATGTCAACGTT  
 CTTCTCATAACCCATGGGACATCGTCCCAGGTAAGTATATTTTGAATTATGCTGCCATA  
 TCATCTTGCTCCATAAAAAATTGTTAGCACATCCAGATACATCTCGAATTGATTAATCTA  
 TGTCTACCAGGCTTGATTGATTGCATGGCCTAATGTCCGATTTGTTGTTGGTTTTGTTTT  
 TGTCTTTTTTCTCTCTTGTTCATGATGGTGATCATGGACATAGGAGCACTGACATAGA  
 GGGAGAAAGGGAAGTACTTCTTTATGCAGAAGGAGATAAAGTGCCCTAGTAGTCGCCGTA  
 GCAACCGTATCACAAAGTAAAGGGTTCTGGAGGTCGGCAGGCTCAGAAAAGCCAGTCTACT  
 ACAACCAGGGAGGTGGCAGCGACTGCATGCTGGTGGGAATGAGGCGCACCTAACATTTT  
 ACTTTGGGAATTCACGGACCGCAGAGCGCACAAAATGGGGTATGCAAGAATTCGCCTTG  
 CTGGCAATGGTCTTTCGCCTTACCCTGCGATGAAGCATGCCACCGGGGATGGCTCAAAC

CACCCTGCAACTGTGCCGAAACAACCATCGCCAAGGTAATTAAGATGTTGACTTCAAACA  
 TTTTCCTGTCATCATTTTTTAATCGTCTTGTTTCGTTTCATCTGCAAATTGAATCTAATAA  
 GTTTGTTATTTTCGAGCAAGTGTAATTTGTGAGGTTTAGCTTTGGGAAATAGGGAGGGG  
 GATTTAATAAATATGATGAGCCGCTTCTAGATATAACTCTCATGTCGATTTTATTCATG  
 GAAAGGAAAAGGTAGAGATTGTCTTTGATGCCGCTTAGGGTACATGCTATTAGATCTGTA  
 GTTATGGACTGCTGCGATGCAAGGAACGTGGGATCTATACATGATTCAAATTTTGTGCGAG  
 ACGTAGGGATTTATAGTTGGTAAAACTAGATATGTATATGTGTCAGTGGGGAGTTCCAT  
 GCATATGTGTCAGTGGGATCGAGTCGATGTATTATAAAATTTTGTGATAAGGTTAGATCTG  
 GTTACGAGATCTATAATCGACTTGAATTTGACAAGAAGACAAAAGTGGTTTGTGTCAGC  
 TTGCGAGCAATGAACCTATTTAATGAACACCATGTGTTGTTAACTCGTTTCTCCCATGAT  
 TTTTGAGTTTTATATCAGATAATGTATCAACCATTTATTGGTCAAATTTTCTGTGATGT  
 TCAAACCTGAACAATGGAGAATACTCATTTTCCGACATCAGGAAGAAAAGTATAACAAAT  
 AAGTTACCATGTCTTTCAAATTCAGTAGCTATGTTATTAGCATCCGTATATAACATATAT  
 AAAAAATATTCCTTTCCAACCTAATAGTACTTCATCAATTTTCCCTTAGGTATACATCTTA  
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 GCAGAGAAATGATGGTCTCTCTGCAGTTCTTCGTAATGTGCTCGCCGTCACCCCCCTTGT  
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 GCGTGCAATTGCTGTATCACTCCTCCTGCCATAGAAAATGCAAGGGAAATCATTATCCC  
 TCCTGCCAATGGCAATGCAAGGGAGGCTCAAGTCCGCTTTATTGACTTCCTGCAGCAGGG  
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CDS

> **ONAC129**

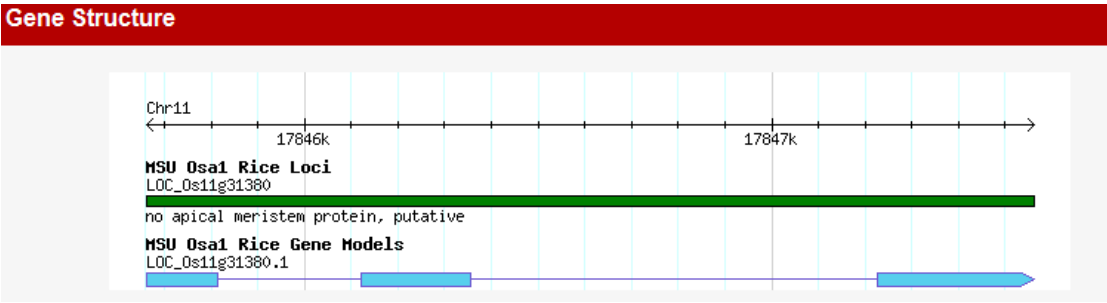
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 CTCTATCGTCGTGCCGTTAACATGCCGCTGCCCTCTGAATTCATTTGTGATGTCAACGTT  
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 GGAGGTGGCAGCGACTGCATGCTGGTGGGAATGAGGCGCACCCCTAACATTTTACTTTGGG  
 AATTCACGGAACCGCAGAGCGCACAAAATGGGGTATGCAAGAATTTGCGCTTGCTGGCAAT  
 GGTCTTTGCGCTTACCCTGCGATGAAGCATGCCACCGGGGATGGCTCAAAACCACCCTGC  
 AACTGTGCCGAAACAACCATCGCCAAGAGAAAATGATGGTCTCTCTGCAGTTCTTCGTAAT  
 GTGCTCGCCGTCACCCCCCTTGTGAAAACCGTTGTCGAACCTGATGGATCATGGCTGATC  
 TGCCGCATCTACAGGACAAGGCAGCGTGCAATTGCCTGTTATCACTCCTCCTGCCATAGAA  
 AATGCAAGGGAAATCATTATCCCTCCTGCCAATGGCAATGCAAGGGAGGCTCAAGTCCGC  
 TTTATTGACTTCCTGCAGCAGGGATCGCACATTGAGTCATCCTCCCCCTGTAGTTGTATA  
 GTTGGCCCCCTCTTTGGCAGAGGGAAGTGATGAATCTGCTGGTAGTGTTGACCAAAAGGAT  
 TGA

Protein

> **ONAC129**

MHLPAVGMSHPTEGELVFHYLYRRAVNMPLPSEFICDVNVLPHPWDIVPGSEKPVYYNQ  
 GGGSDCMLVGMRRRLTFYFGNSRTAERTKWGMQEFRLAGNGLSPYPAMKHATGDGSKPPC  
 NCAETTTIAKRNDGLSAVLRNVLAVTPLVETVVEPDGSLICRIYRTRQRALPVITPPAIE  
 NAREIIIPPANGNAREAQVRFIDFLQQGSHIESSPCSCIVGPSLAEGSDESAGSVDQKD

\*



**LOC\_Os11g45950 (ONAC130) sequence information**

**Genomic sequence length:** 791 nucleotides  
**CDS length:** 411 nucleotides  
**Protein length:** 136 amino acids  
**Putative Function:** NAC domain-containing protein 90, putative, expressed

Genomic Sequence

> **ONAC130**  
ATGGGTGCCGGGGCTGGGGAGCCGTGGTTCTACTTCCGCCACCATGAGAGATGGATGCAC  
CGGATGGACCGGAGCACACCATCAGGGTATTGGAAGACCGCAGGCAAAGCCAGTTTCGTG  
TACTCTGCAGATAGACATCCCGTCGGATTGAAGAAGAGCATGTTGTTCTACCGCGGCCCC  
GAGCCGTGCGGGCGCAAAACCAAGTGGAAGATCGACGAGTTTGGGCACTTGACAACGCC  
GCCAATGGGTCTGGGGAGCTTTTGGCGCAGTTGTGCCGCTCACGGCAAAACGTTGGTCTC  
ATGGTATGTAATCAATCTCTAACTGATACGTACGCGCGGAGCAAGCACTTTATACATT  
TATTACTTGCATTAATTGTGTAATAAATCTTTATGGTTGTTTTCTCGTAGTAGTTTTTTT  
TCCACTGAGGGAGTAAATAACTAGATATGCCATATGTATACTCTCTATCCTAAAATAT  
AAGAGATTTTAGGTGAATGTGATATATGGTAGGACCATAAATCTAGGGAAAGAGAGTATG  
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CGGATGGAGTATTTAATTACCATACATCTCAAGTATATACGTACCTCTTACAATTAATTA  
TTAATATACACATGTTTTTGCAGCCGAGGTTCCCTCTCAGCTTGTGTGCGGTGTACAGTA  
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AATCCGACTAG

CDS

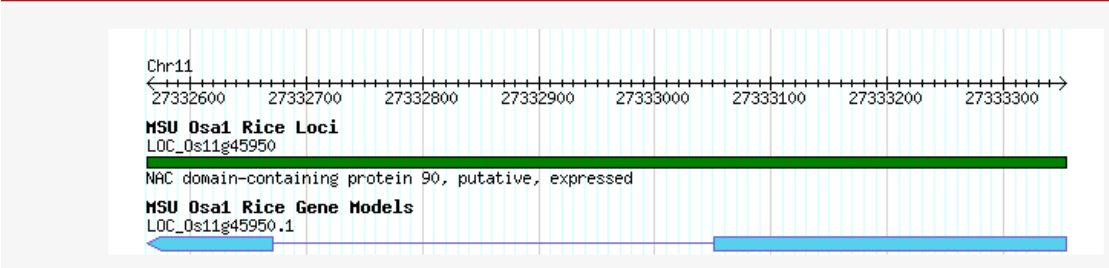
> **ONAC130**  
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TACTCTGCAGATAGACATCCCGTCGGATTGAAGAAGAGCATGTTGTTCTACCGCGGCCCC  
GAGCCGTGCGGGCGCAAAACCAAGTGGAAGATCGACGAGTTTGGGCACTTGACAACGCC  
GCCAATGGGTCTGGGGAGCTTTTGGCGCAGTTGTGCCGCTCACGGCAAAACGTTGGTCTC  
ATGCCGAGGTTCCCTCTCAGCTTGTGTGCGGTGTACAGTACAAAATCGAGCTCAGAGCGC  
CATGTCCTAGCCACCAGTAGCGATGAAATCTCCGAGGACGAATCCGACTAG

Protein

> **ONAC130**

MGAGAGEPWFYFRHHERWMHRMDRSTPSGYWKTAGKASFVYSADRHVPGLKKSMLFYRGP  
EPSGRKTKWKIDEFWALDNAANGSGELLAQLCRSRQNVGLMPRFPLSLCRLYSTKSSSER  
HVLATSSDEISEDESD\*

Gene Structure



**LOC\_Os12g03040 (ONAC131) sequence information**

**Genomic sequence length:** 2337 nucleotides

**CDS length:** 1182 nucleotides

**Protein length:** 393 amino acids

**Putative Function:** no apical meristem protein, putative, expressed

Genomic Sequence

> **ONAC131**

AATTAGCTCTCATTAATCAATTGCTTTGTAGTAATCCATCCATGCACCCACCTCTCTTTC  
TCCCGAACAGCAAGAAGATGAGCCAAGCCCATGGCGTCTATAAAGAGAGCCCTACCCCC  
TCCATCTCAAAAATTTCAATCCTTCCTCTTCCTTAGCTTATTAGCTTCCTTCCTTCACTA  
GTGCCAGTTTTCTCTACGTAATCTAAGCTAGCCAGGTCGTCATCTTCTTCCTTCAGCT  
CACGCTGACCAAAACACCATCTGTTATTCTGTTTGTGTTTTTTTTTAAAAAAGAAAAA  
AAATCTAGCTAGGCGAGCCGATTGAAGGAGCTGAGCATGCCGAGCAGCGCGGCCGCGCATG  
CCTGCCCTTCCACCAGGCTTCCGCTTCCACCCACCGACGAGGAGCTCATCGTTCACTAC  
CTCATGAACCAGGCCGCTCCATCAAGTGCCCCGTGCCAATCATCGCCGAGGTCAACATC  
TACAAGTGCAACCCATGGGACCTTCTTGTTAACTAACTAACTAATCACCATACATATATA  
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CGCCGGCTCGGGGTACTGGAAGGCCACCGGCACCGACAAGTCCATCTTGTCAACTCCGAC  
GAGCGACAACATCGGCGTCAAGAAGGCCCTAGTCTTCTACAAGGGCAAGCCCCCAAGGG  
CGTCAAGACCGACTGGATCATGCACGAGTATCGCCTCACAGGCACATCAGCTAACAACAC  
CACCACCACAAAGCAGCGTAGAGCATCATCCATGACCATGAGGGTGAGATTCAATTTAATT  
ACTTAATTTTAGTTCATTATTAATTTGTTTTTCTTCTCGTCGTACGTCTTCTTTGAAAGC  
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CTCACTCTACAAAGTCAAATTTGTTGATGTTGATTGAGCTTGTGTTTTATTCTTTATTTT  
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CCTCTGACCAACACGACCAAGAACCCGAGGGATCAACCGTCGATGAACAGCTTGAAGACA  
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 AGTCAGATTTCCAGCCCATGACGGCGATGAGCATGAGCAAGTCATGCTCCCTCACCGATC  
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 ACGTTAACAATTATAATGTTAATGGCCTAAGGAGGAAGAGAATGATGGCGTGTAGTGCAA  
 CTTCTTTTGATGATGGCAGCAGCAGCAGCAGTGACTTTTTGCATGTTGCCAAGAAAC  
 CGCTGCTGCTGCCAAGTGATTCAAGGGGCAGTGGTTTTGGAGGAGGTTACTGCAACCAGC  
 AGCTTTCAGAGACTGCGACTGGTTTTTCAGTTTCAGAACGGCAATATGTTGAGCCATCCAT  
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 CAGATTCAGAGAGGAAGATACTGATTGTTCCATTTGGATTTATTTTGAGGAGTTGCATGA  
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CDS

> **ONAC131**

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 CCAATCATCGCCGAGGTCAACATCTACAAGTGCAACCCATGGGACCTTCCTGGTAAGGCG  
 CTGTTTCGGCGAGAACGAATGGTACTTCTTCAGCCCCGAGGGACCGCAAGTACCCCAACGGC  
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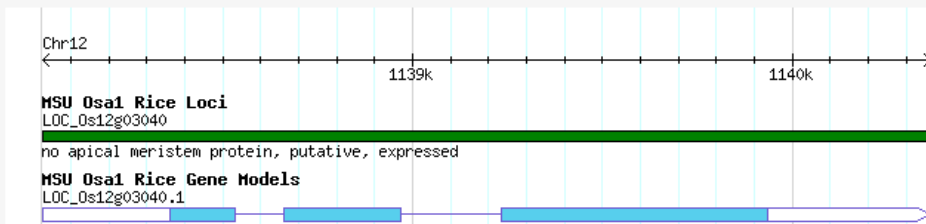
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Protein



> **ONAC131**

MPSSGGAMPALPPGFRFHPTDEELIVHYLMNQAASIKCPVPIIAEVNIYKCNPWDLPGKA  
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 GKPPKGVKTDWIMHEYRLTGTSANNTTTTKQRRASSMTMRLDDWVLCRIHKKSNDFNSSD  
 QHDQEPEGSTVDEQLEDIHDNNSSSQPPAPPDMNNQQSDFQPMTAMSMKSCSLTDLN  
 NLDCAALSQFLLDGSSDAIAELPAPPSPLIYPNQTLNINNNMPHAFESRLDHHDGYVN  
 NYNVNGLRRKRMMACSATSFDDGSSSSSSDFLHVAKKPLLLPSDSRSGFGGGYCNQQLS  
 ETATGFQFQNGNMLSHPFPLNQQLLLNHLQMQ\*

**Gene Structure****LOC\_Os12g03050 (ONAC132) sequence information**

**Genomic sequence length:** 1748 nucleotides

**CDS length:** 1191 nucleotides

**Protein length:** 396 amino acids

**Putative Function:** no apical meristem protein, putative, expressed

## Genomic Sequence

> **ONAC132**

GTTCCATTTCCCATTTCATCGCGCGTCGCTCCACCTTTCTTGCTTGTGCCACCAAGCTAT  
 CTCCTCCTCTCCTTCTCCTCTAGCTAGAGCTAGTGCTTCCTCCATCTTCAGTCTAGCTTC  
 AATTCAAGCTAGGGAGCAAGCTAGCTAGCTAGCATGGTGGAGTCTACTACATCCCTTGTG  
 AAATTAGAGCAAGATGGAGGCTTGTCTTGCCCTCCAGGCTTCAGGTTTCACCCGACGGAC  
 GCTGAGGTAATCTTAAGCTACCTCCTGCAGAAGTTGCTCAACCCTAGCTTCACCTCCTTG  
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 TTGTTTTTCTTTTCTTCTTCGATCCAAAAGCTTATATTTAGATGCACAAGTAGTTAATTA  
 GATCTTGATGTAAATATGCTTGTGTTTTCATATTAATTTGATGAAGGCAAGGCGAAGATGG  
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 CCAACCGGGCCACCAAGGAGGGCTACTGGAAGGCCACCGGCAAGGACAGGGAGATCTTCA  
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 CGACGACTAATACTACTGCCGTTAGCTTCCAGCAGCAGCCAACTACTACAGCTTGATCA

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 CCTAGGTAGCTAGCGAGATCATTTCGTCTATATATATTCGTTTGCTTAATAGGTTTCTTT  
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CDS

> **ONAC132**

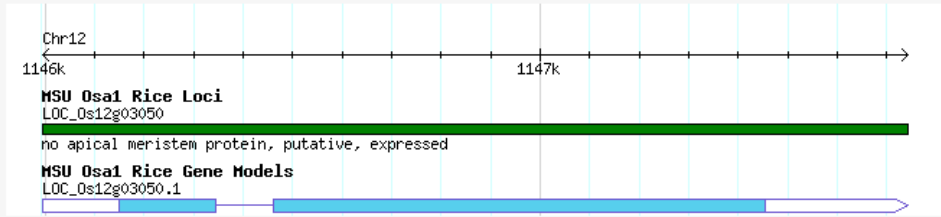
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Protein

> **ONAC132**

MVESTTSLVKLEQDGGFLPFGFRFHPTDAEVILSYLLQKLLNPSFTSLPIGEVDLNKCE  
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 PSIIYFVSNSSNILSAPPNNNNNAVSVSASTTTTNTTAVSFQQQPNYYSLINKSSSSSSSN  
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Gene Structure



LOC\_Os12g04230 (ONAC133) sequence information

**Genomic sequence length:** 1110 nucleotides

**CDS length:** 1098 nucleotides

**Protein length:** 365 amino acids

**Putative Function:** expressed protein

Genomic Sequence

> **ONAC133**

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CDS

> **ONAC133**

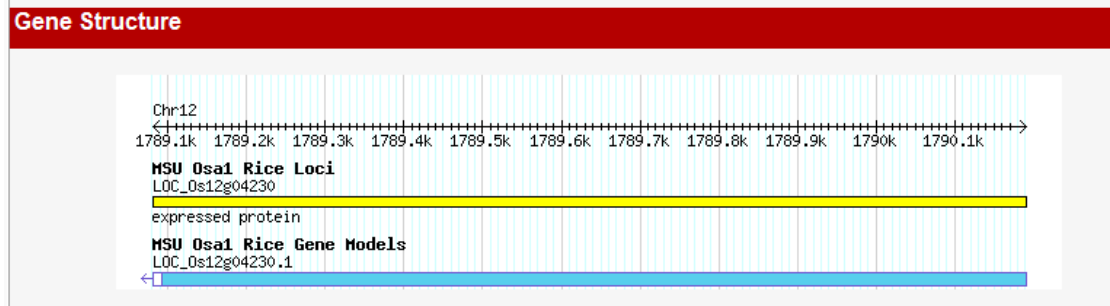
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 CAAGAACCACAAGTAGGAGGTGAGGTGGAGATGAATGATTTCTTCAACGATTTGTTTCGTC  
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Protein

> **ONAC133**

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 GDRQAFEYRAPGNKKTNWLMEEIASNLPAAITDEGIMVICKVYLSPRAKEATADEEERQE  
 TNVVPKRLREAEATGYDAPAPETPQPDVGCSYSGGGETSQATASMDYCCSTTHTADD  
 TANAAAYYYGDVDAIKPDAYDGGDYGIGINADGELVLCNGHGGIGTQGMPLAMQNTNG  
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 HILCE\*



**LOC\_Os12g05990 (ONAC134) sequence information**

**Genomic sequence length:** 1285 nucleotides

**CDS length:** 924 nucleotides

**Protein length:** 307 amino acids

**Putative Function:** No apical meristem protein, putative, expressed

Genomic Sequence

> **ONAC134**

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CDS

> **ONAC134**

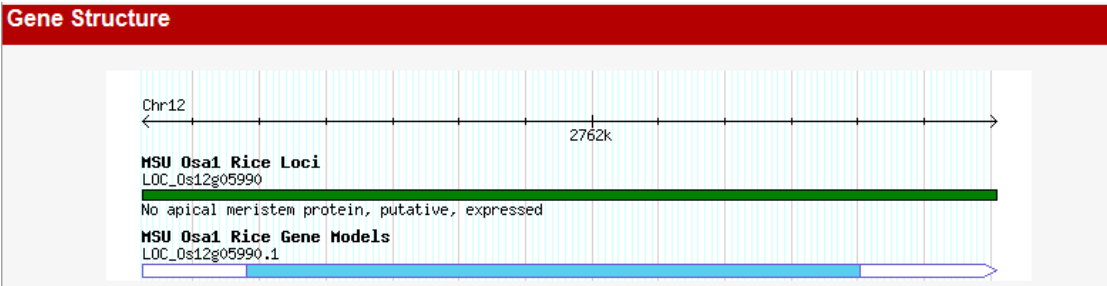
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Protein

> **ONAC134**

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SSSACVRLRNELSVCRVYVSTGTLRSFDRRPLDAPPVISHHQPQLQQQRQLPSSAAAAA  
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**LOC\_Os12g07790 (ONAC135) sequence information**

**Genomic sequence length:** 1716 nucleotides

**CDS length:** 1716 nucleotides

**Protein length:** 571 amino acids

**Putative Function:** no apical meristem protein, putative

Genomic Sequence

> **ONAC135**

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CDS

> **ONAC135**

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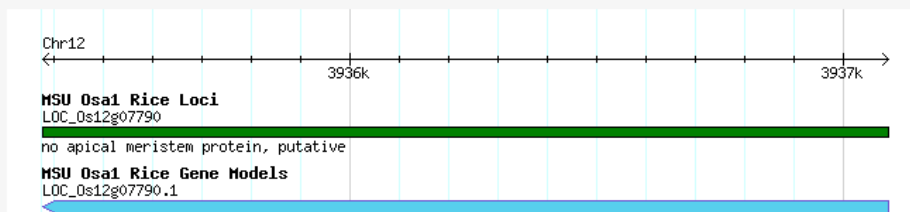
Protein

> **ONAC135**

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#### Gene Structure



#### LOC\_Os12g22630 (ONAC136) sequence information

**Genomic sequence length:** 1413 nucleotides

**CDS length:** 1413 nucleotides

**Protein length:** 470 amino acids

**Putative Function:** retrotransposon protein, putative, unclassified, expressed

#### Genomic Sequence

##### > ONAC136

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# CDS

## > ONAC136

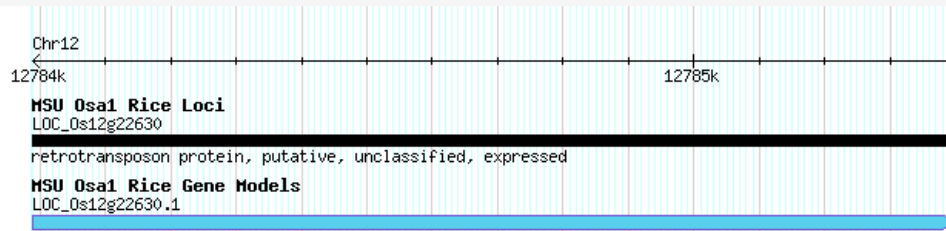
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# Protein

## > ONAC136

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 RQSCVAASAPPPWCVPppPRPAPPsRRVMAPLPPYMPDPFETPPSPHAPRHDPFEPPSP  
 DPPIQSYAIDPPIQSYAMPFEQPPSPYAPHGVDDMDEFTRSLEAQLEEADGDEIAAATV  
 APPMAQNVAPDDMDEFTRSLEAQLEEADGDDKIDDDIDEEIFQIPLKD\*

## Gene Structure



## LOC\_Os12g22940 (ONAC137) sequence information

**Genomic sequence length:** 1254 nucleotides

**CDS length:** 1254 nucleotides

**Protein length:** 417 amino acids

**Putative Function:** no apical meristem protein, putative

## Genomic Sequence

## &gt; ONAC137

```

ATGGAGAAAGGCAAGCTCGATTTCCTCCTCGAGCTAGGGTTTCGCTTCAACCCGTCGCCG
GAGCAGGTCGTCACCTACTACCTGCCATGCCTCGTCGCCGGCCAGCAGCCCAAGGACACC
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CGGATGAAAGGGAAGTTCTCCCGCTCCGCCGGGGGTGGCACCTGGGTCTCTCAGTCCAGC
AAGGATCTCAAGAACAGGGAGGGGATCAAGATCGGCGAGGTCAAGAACTCCGCTTCAAG
AAAGATGGCAAGAACACGGATTGGTTGATGGAGGAGTATCACCTCTGCGGGCAAGAATCC
GGTGATGTTGTGCGAGCCCGTCGTCTGCCGGATTTACGTCTCCCCTAGGGCTGCTCCTGAT
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CCTGCAGCACCAGCGCCGCCACGACAAGTGCCCGTGGTCACGCAGCAAGCGCCGCCGCCG
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GTCGCCGCGCCGCCGTGCGCCAAGAAGATGAGAGGCGATGTCTCGGCATTCCCTGTGGTG
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CATCCACCCATCCAGACCTATCCGACGGATCCGTTTCGAGTCAGCGCCGCTGGATCCGTTT
GAGCCGCCGCCAGCAGCTGCCTCGGTGACCGCGGACACCACACGCTCAGCCGTCTGTC
CCTGTCCCTGCGACGCCAGAGCAAGGGTTTTCACTGGCAGCTTCCAATAGTCCAGAACTC
GATCCGGCTAACATCGGCATTGACATGGACGAGCTTATGAGATATCTGGGCAATACACCA
TTGGACGGCGTTCTCCCTTCCCAGCTATTTGTTCTGCCACCAACGACGATGAAGACGTC
GAGCTCGCCAAAGTACTAGAGGACGGGCTACAAGGAGGAGGAGACGGCAATGGCAATCC
ACCGCTGTGTGTGACTCCTCCTCCTCCGCGACCGGCATCTTGGCCCGTCATGGCGCCACC
GCCGCTCATCCACCCATCCTGACCTGTCCCAAGGATCCGTTTCGAGCCCAATGA

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## CDS

## &gt; ONAC137

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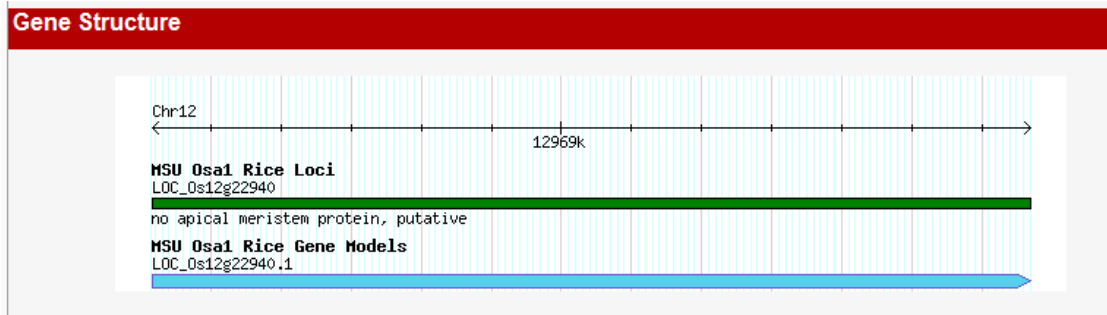
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AAGGATCTCAAGAACAGGGAGGGGATCAAGATCGGCGAGGTCAAGAACTCCGCTTCAAG  
AAAGATGGCAAGAACACGGATTGGTTGATGGAGGAGTATCACCTCTGCGGGCAAGAATCC  
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TCGGTGGCGCACCAAGAATCAGCTGTCCTGCAGCCTCAAGAACCCGCGCCGCTGCCGGTT  
CCTGCAGCACCAGCGCCGCCACGACAAGTGCCCGTGGTCACGCAGCAAGCGCCGCCGCCG  
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GAGCTCGCCAAAGTACTAGAGGACGGGCTACAAGGAGGAGGAGGACGGCAATGGCAATCC  
ACCGCTGTGTGTGACTCCTCCTCCTCCGCGACCGGCATCTTGGCCCGTCATGGCGCCACC  
GCCGCTCATCCACCCATCCTGACCTGTCCCAAGGATCCGTTTCGAGCCCAATGA

Protein

> **ONAC137**

MEKGKLDLLELGLFRFNPSPEQVVITYYLPCLVAGQQPKDTEGCIHSADVGADEPRDLA  
KYAPVARSSNGDRFFFTGCKRMKGKFSRSAGGGTWVSQSSKDLKNREGIKIGEVKNFRFK  
KDGKNTDWLMEEYHLCGQESGDVVEPVVCRIVSPRAAPDSVAHQESAVLQPQEPAPLPV  
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RQSCVAAPRCAPRVVAPPPRHPIQTYPTDPFESAPLDPFEPPPAASVTGGHHTPQPSV  
PVPATPEQGFSLAASNSPELDPANIGIDMELMRYLGNTPLDGVLPSQLFVLPTNDDVDV  
ELAKVLEDGLQGGGGRQWQSTAVCDSSSATGILARHGATAASSTHPDLSQGSVRAQ\*



**LOC\_Os12g23090 (ONAC138) sequence information**

**Genomic sequence length:** 1388 nucleotides

**CDS length:** 1215 nucleotides

**Protein length:** 404 amino acids

**Putative Function:** no apical meristem protein, putative

## Genomic Sequence

> **ONAC138**

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 GCGCCCGTGCGAGGAGCCCCAATGGCGACCGGTTCTTCTTCACCGGTTGCAAGCGGGTC  
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 GGCAACAACACGGATTGGTTGATGGAGGAGTATCACCTCTGCGGGAAAGAAGCCGGTGGT  
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 GCCGAGCCGCCGTGCGCCACCAAGAAGATGAAAGGCGCTGTCTCGGCAAAACCAATGGCG  
 CCGCAGAGCAGCGTGACGGCGTCCGCGGCGCCACCCCGGTGTGCCGTGGCGCCATCGCAG  
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 TCGGTGACTCAGCCGTCTGTCCCTGCGACGCCAGAGCAAGGCCCTGCTTATGTACCCGAT  
 CCGGCTGACATCGGCATGGAATGGACGAGCTTATGAGCTTCCTGGACAGTATACCAGTC  
 GACGGCATCTCCCTTCCCAGTATATGAATACGACGAGCTCGCCAAAGAACTGGAGGAC  
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 ATCTTGACCTTTCCCAAGGATCCGTTTCGAGACCAACGAAGAAGACGAGGGCGAGGACGAT  
 TTTGCGAGCATGCTAAGAGGCCATGTGTTTCGCTCCTTCAGTCGTGCGGAAGAGGTGGAT  
 GTGACAAGCAGTCGAGGGGGGCTACCGTGTGCTTCTGAAGGACATGGGCGACGATCAAA  
 TTGACCAACAGTGGCTGAAGGTGTCTCTGAAAGACTACCACCATCTGATGAAGAGCTGTA  
 AATTGTAG

## CDS

> **ONAC138**

ATGGCCAGCCTCGATCTTCTCCTCAAGCTAGGGTTTCGCTTCAACCCGTCTCAGGAGGAG  
 GTCATCACCTACTACCTGCCACGGCTCATCGCCGGCCACCCGCCAAGGACACCGAGGGG  
 TACATCCACCGCGCTGACGTCTACGGCGCCGACGAGCCCAGGGACCTCGCCGGCAAGTAC  
 GCGCCCGTGCGAGGAGCCCCAATGGCGACCGGTTCTTCTTCACCGGTTGCAAGCGGGTC  
 AAAGGGAAGTTCTCCCGCTCCGCCGGGGGTGGCACCTGGGTCTCGCAGTCCAGCAAGGAT  
 CTCAAGAACAGGGAGGGCATCAAGATCGGCGAGGTCAAGAACTTCCGCTTCAAGAAAGGT  
 GGCAACAACACGGATTGGTTGATGGAGGAGTATCACCTCTGCGGGAAAGAAGCCGGTGGT  
 GTCGTGAGCCCCGTGCTCTGCCGATTTACGTCTCCCCGAGGGCGGCTCCTGATTCGGTG  
 GCGCACCAAGAATCAGCCGCCCTGCCGCCCTCAAGAACTCGTGCCGCCGCCCAAGAA  
 CTCGCGCCGCCCGCTATCCTGCAGCACAGGCGGCGCCGCAAGCTCCTGCGCCGCCACGA  
 CAAGTGCCCGTGATCACGCAGCAGCAGGCGCCGCCCCAGAAGAGGCCCGCCGCGCCGGTC  
 GCCGAGCCGCCGTGCGCCACCAAGAAGATGAAAGGCGCTGTCTCGGCAAAACCAATGGCG  
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 GACGGCATCCTCCCTTCCCAGCTATATGAATACGACGAGCTCGCCAAAGAACTGGAGGAC  
 GCGCTACAAGGAGGAGGAGAAGAGGACGGCAATGACAATCCACCGCGTCGTCGCGGAAGA  
 GGTGGATGTGACAAGCAGTCGCGAGGGGGGCTACCGTGTGCTTCTGAAGGACATGGGCGAC  
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#### Protein

#### > ONAC138

MASLDLLLKLGFNFNPSQEEVITYYLPRLIAGHPPKDTEGYIHRADVGADEPRDLAGKY  
 APVARSPNGDRFFFTGCKRVKGFSSRSAGGTTWVSQSSKDLKNREGIKIGEVKNFRFKKG  
 GNNTDWLMEEYHLCGEAGGVVEPVVCRIYVSPRAAPDSVAHQESAALPPPQELVPPQE  
 LAPPPYPAAQAAPQAPAPPRQVPVITQQQAPPQKRPAAPVAEPPCATKKMKGAVSAKMA  
 PQSSVTASAAPPRCAVAPSQHHPPFQTYPTDPFEPAPAAASVTQPSVPATPEQGPAYVPD  
 PADIGMEMDELMSFLDSIPVDGILPSQLYEYDELAKELEDALQGGGEEDGNDNPERRRGR  
 GGCDKQSQGGYRVLLKDMGDDQIDQQWLKVSLKDYHHLMKSKL\*

#### Gene Structure



#### LOC\_Os12g29330 (ONAC139) sequence information

**Genomic sequence length:** 1391 nucleotides

**CDS length:** 783 nucleotides

**Protein length:** 260 amino acids

**Putative Function:** no apical meristem protein, putative, expressed

#### Genomic Sequence

#### > ONAC139

CCCCCGCTTACTCCCCGACACCCGCGACAAGCTCAGCTCGGCTAGGCCAAGACGGTG  
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 AGGAGCTTGTGGTGCACTACCTCCGCCGCCGCGCGCTCGGCTCCCCCTCTCCCGCCGCCG  
 TCGACATCCCCGATGTCCGCCTCCTCGCGCATGACCCCTCCGACCTGCTTCCTCCAGGTG  
 AGTCATGAGCCAGCTCGCCGCCGTCGCGCGGCGTCGTCGGAGTGTGGCCGGCCGGCGCTG

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CDS

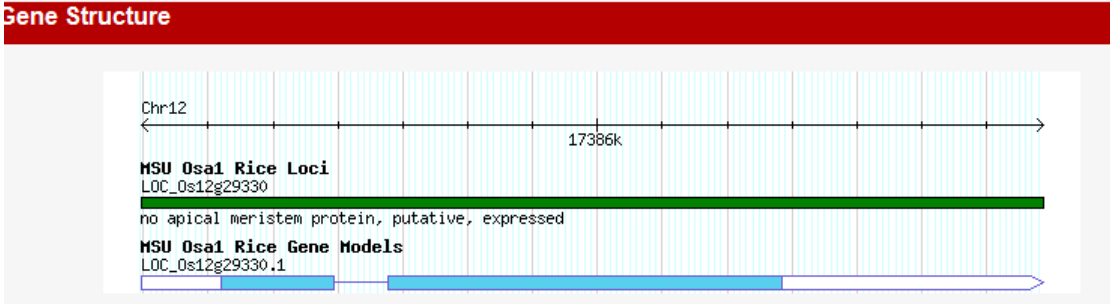
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 TAA

Protein

> **ONAC139**

METTAAKKLPPGFRFRPTDEELVVHYLRRRALGSPLPPAVDIPDVRLLAHDPDSDLPPGW  
 SEQERYFFTCKEAKYVKRRANRATGAGYWKATGKEKPVAVSVAAAPRSQAAAVVGMKR  
 SLVFYRGPPTGKKTDWVMHEYRLAGAGLAPCRRAATADHPPARPAEGWVLCRVFRKKGSA  
 AASTASPTADDDDDATTERADDAAGVRFIDFFARADARRRRAASPVSSSCVTDASAEH  
 CREQETTSRNGGAAAGDASD\*



**LOC\_Os12g43530 (ONAC140) sequence information**

**Genomic sequence length:** 2031 nucleotides  
**CDS length:** 1128 nucleotides  
**Protein length:** 375 amino acids  
**Putative Function:** no apical meristem protein, putative

Genomic Sequence

> **ONAC140**

ATGGAGGAGGAGAAGAGGTTGGAAAAGGATTATTAAGGAGATTGACAGTCCAATTAGCCCA  
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CDS

> **ONAC140**

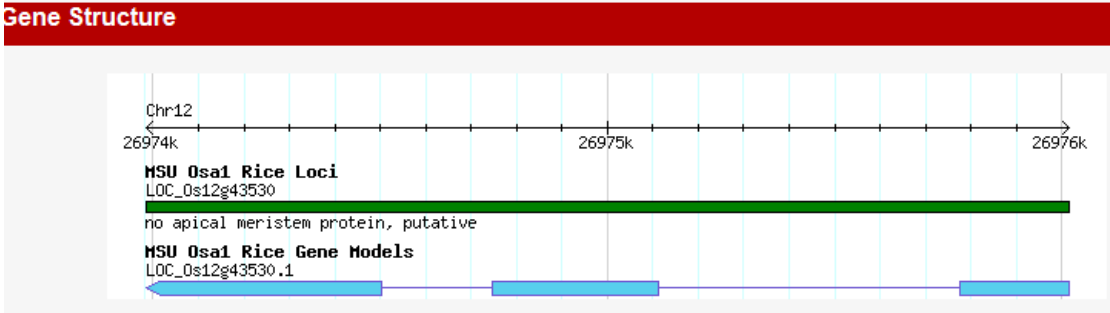
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Protein

> **ONAC140**

MEEKRLERI I KEIDSPISPGGGAALLAEDDDLVPFGFRFHPTDQELVGFYLTRKVEKKP  
FSIDI I KEIDYKHDPWDLPKVSHGAVALQGSSSSSLSTAAAAEKECGYFFCLRGRKYR  
NSIRPNRVTGSGFWKATGIDKPIYSSSLAAAAAAGAGDCIGLKKSLVYYRGSAGKGTKT  
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IHHHQQQFYFYEYVVDHGHGHHRRHLQHYAGSASMAAAAAANIVDVIDHSSDAETTTRSH  
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IMDISTNSANNYYL\*





# **LOC\_Os01g47670 (ONAC141) sequence information**

**Genomic sequence length:** 1209 nucleotides

**CDS length:** 1095 nucleotides

**Protein length:** 364 amino acids

**Putative Function:** expressed protein

## > **ONAC141**

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 GGGTTCATCATCCACGAGGCGGACGTGTACTCCGCCGACCCCGCCGACCTCACGAGGGGG  
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CDS

## > **ONAC141**

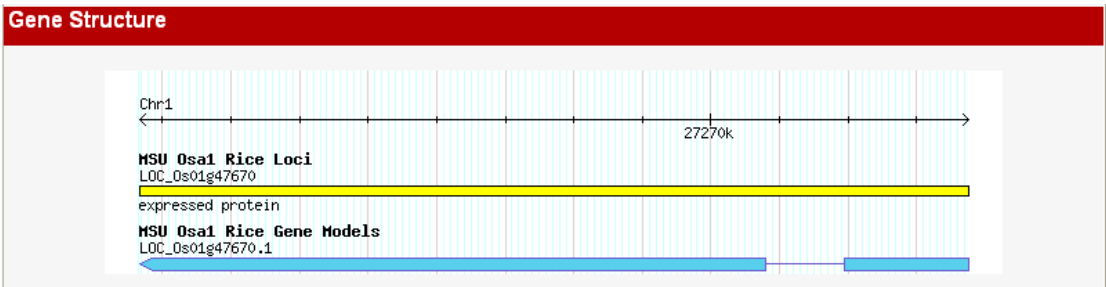
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GTTGGCGATGATCGAGCTCATTACGATCGGGTGGACGGCCAGCTGCAGTTCGAACGGCAC  
TACCTGCAGTTGTAA

Protein

>ONAC141

MGAASRPRRQCRAPRRLDGGGGGSM DVHPSELLPRSRCTAPRRLDDDEMDVHPSEQELIE  
TGFAPAVARSSGDEAWYFFSAVRGLKGGRKARTVDDGAGCWHSEAGAKPVLAASSGRRLG  
HRQSFSFITKDDDGQVRVSGWLMVELSLDVDEEEQLVLSKVYFSPRAPGARKPTTAAAMS  
RHKRKLSTTDIASPPRRQRRHRVVPSSPPEEPNTSPSPAAAPPDQQEGGDDDPDRGSISW  
WLRRVFGLTATFTEESIELNPWLKDILRPFPPLPPTPPPPCPSRRKLIDMPEIREFI  
MRGSYLGGGPAPPRYEC DHPAMVMTGGDDQQQLDEQRRDDVGDDRAHYDRVDGQLQFERH  
YLQL\*



LOC\_Os03g61650 (ONAC142) sequence information

**Genomic sequence length:** 1095 nucleotides

**CDS length:** 1095 nucleotides

**Protein length:** 364 amino acids

**Putative Function:** expressed protein

Genomic Sequence

> ONAC142

ATGGCTGAGATCGGCAAGGGCTTGGTGTCTCCCCCAGCGACGACCAGCTACCGACGGC

TACCTCCGGAGCTACCTTGTCCGGACCAGCCTCGACGACCTGCCCTCCGCCGCCACCTCC  
TACTTCCACGTGCGCGACGTGTACTCCGCCCCACCCGATCAGCTCGTCGCCGGCCTCGCC  
CCGGCGCCCGGCACCGGCGACGGCGATGGCCGGGTGTGGTACGTGTTACCCCAAGTGC  
GTTCTCGGCAGCCGCGGCGCGAGGAAGGCTCGCACCGTCGGCGGCGGCTGCGGCGAGTGC  
TGGCACGCGGAGGGAGGCCCAAGGACGTCAAGGGCAGCGCCGCCGGCGCAAGCTGCAG  
AAGTTCTCGTACAAGATCAAGACGGCGTTGGGCGCCGTCGTCAAGCCCGGTGGCTCATG  
GTGGAGTTCTCGTTCCCCGGCTCCGACCACCTCGCGCTCTGCAAGGTCTACCGCTCGCCC  
CGCACGTGCGCTACGGCGCGCCCTCGCCGCCGTCTCCGCCGCGTCGTACCGTCGAGG  
GCCGCGCCGCCGCCGTGTCTGTCGACGTCCGGCCGCAAGCGCAAGGCAGAGGAGGAGTCC  
GACCACCCCGAGGCGCCAGCGAGCAGCGCGCCGCGGCGAACTCTGCCGGCGTCGGAGCAA  
CACGTGACGTGACGCCGCTGCAGCATCCGAGCCGGATCAGGGCGGCTACCTGAGCACT  
GACCAGCTGGACAGCGTCGCGGCGTTCGTGCAAGAACACGAGGCGTTCGTGCAAGAACAC  
GAGGGGGACGAGGAGTTCTGCAAGAGCCTCGGGTTCGACGAGCGCTCGGATCCGCAATGC  
TGGACCAACTTCTTCTTGTGCGCGTTGGAGGAGTTCGGGCCGGCGCCAGAAACCGACGCC  
GCCGCCGTGCGCGTCGCCGCCGTTGAGCCTGGCCCTTGCCCGGAGTACGAGGAACACGAT  
GACACTGCCACTACTGCTGCGTCCAGCCATGCTTACGACAGTGCCACGGCTGAGCTGGTG  
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CDS

> **ONAC142**

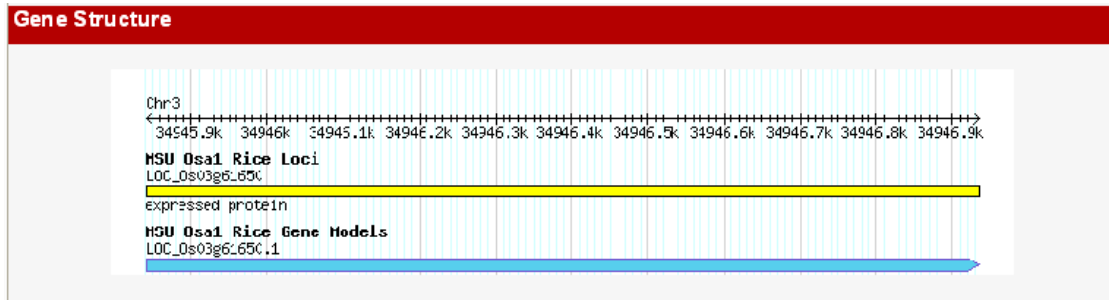
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CACGTGACGTGACGCCGCTGCAGCATCCGAGCCGGATCAGGGCGGCTACCTGAGCACT  
GACCAGCTGGACAGCGTCGCGGCGTTCGTGCAAGAACACGAGGCGTTCGTGCAAGAACAC  
GAGGGGGACGAGGAGTTCTGCAAGAGCCTCGGGTTCGACGAGCGCTCGGATCCGCAATGC  
TGGACCAACTTCTTCTTGTGCGCGTTGGAGGAGTTCGGGCCGGCGCCAGAAACCGACGCC  
GCCGCCGTGCGCGTCGCCGCCGTTGAGCCTGGCCCTTGCCCGGAGTACGAGGAACACGAT  
GACACTGCCACTACTGCTGCGTCCAGCCATGCTTACGACAGTGCCACGGCTGAGCTGGTG  
AACCTCTCGGACAAGGAGTTCTATGACATCATCTTCTCCGGTGACCAACAAGGCGGCGCC  
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Protein

> **ONAC142**

MAEIGKGLVFSPSDDQLTDGYLRSYLVRTSLDDLPSAATSYFHVADVYSAPPDQLVAGLA

PAPGTGDGDGRVWYVFTPVRVLGSRGARKARTVGGGCGECWHAEGGPKDVKGSAAGGKLQ  
KFSYKIKTALGAVVKPGWLMVEFSFPGSDHLALCKVYRSPRTSRYGAPSPSSAASSPSR  
AAPPPVSSTSGRKRKAEEESDHPEAPASSAPRRTLPASEQHVDVDAANAASEPDQGGYLST  
DQLDSVAAFVQEHEAFVQEHEGDEEFCKSLGFDERSDPQCWTNFFLSALEEFGPAPETDA  
AAVAVAAVEPGPCPEYEEHDDTATTAASSHAYDSATAELVNLSDKIFYDIIFSGDQQGGA  
AVAG\*



# **LOC\_Os04g42940 (ONAC143) sequence information**

**Genomic sequence length:** 1272 nucleotides

**CDS length:** 1188 nucleotides

**Protein length:** 395 amino acids

**Putative Function:** expressed protein

Genomic Sequence

## > **ONAC143**

GCGTGCCGATAGTATATATGGCGGAGTAGTAGTTGAGTCGAGTTCGCGCATGCGCCGCCG  
TGGCGACGACCTAGCTTAAACCCATATGCTGCCCATGCGTCCCAGGGCGAGTCAGGCGGCG  
GCGCCGAGACCGCCGCCCGCGGAGAGCCTCCGCGAGGAGGAGACCGAGGACGGGTGG  
GTCTTCCTCGCCGGCAGGTCAAGGGCGACGAGGCCGCCGCCGCCGCCCTTCGCCATG  
GCGAGGGCCGTGGCGTCCGGCAGCAGCGGCGGAGGCGGCCAGCCGTTTCGACCCACG  
GCGGAGGATATCGTCAACCGGTACCTGCCGTTGCGCCGGGCGCTGCGGTGCGACGCGCTG  
CCGAGGCAGGTGCACGACGCGGATGTGTACGGCGCGCACCCGGCGCTGCTCGCGTCGGTG  
TACCCGGCGGCGAACGAGCGGTTTCGAGTGGTTCTTCTTCGTGTGCCGCCGTCAGTGCCCC  
GGTGCCCGGCGCAGGGCCGGGCCCCGGGACTACCGCCTCTCGCAGGAGGCGAAGCACCGC  
GGCAACGCGTTCTGCCACAGCTTCCGGTACTACGAGTACGAGGACGCCGGCGGCGGCTTC  
AGGGAGACCGAGTGGCGCATGGTGGAGTACGGCGATCGCGGCCGCGACGCCGGCGCCGGA  
GGCTCCGAGGGCTTCGAGCTGGTTCGTCTGCAAGGTCTACCCGGCGCGCGCGGGGCGCTC  
CACGAGCGGCTCGGGGCCGACCGGGCGGTGCTCGCGACGCGCCACCGCGCCGACGAGGAC  
GCCAAGCCGACAGGTGCTCGTCCAGCTCTACCTCGCCAGCCTCCGCCTCGGAACCCGCTC  
GCGTGCCGCGTGACCCGCGCCGACGAGTCTTCGACGCGCACCCGGCGGTGATCACGGCC  
GCGCTCCCTGCTGCCAACGACCGGTGCGAGTGGTTCTTCGCCGCCGTGCGCCCGCGCGGG  
CACGCGCAAGGGCACGGGGACGGCGCGCCGCCCGCGCCGGAAGGCCGGGCCAGGGGCG  
TACGTGCCGGTGCGCGAGTGCCGCGTCGTGGACGGGAGGCGCGGGACATGGGCTGCCGC  
CTCGTGTTCGTGACAGGAGGACGACGAGGAGGCGAGGCGGGCGTCGCGGAGGACGAG  
TGGTGGATGGACGAGTACAGGTTCGGCCCCGACTTCCCGTACGGCGAGCTGCCCGCGCCC  
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CDS

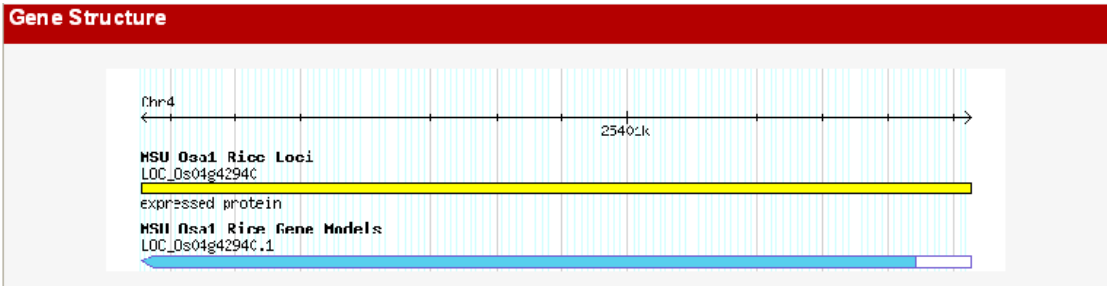
> **ONAC143**

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GCGACGAGGCCGCCGCCGCCGCCCTTCGCCCATGGCGAGGGCCGTGGCGTCCGGCAGC  
AGCGGCGGCGGAGGCGGCCAGCCGTTTCGACCCACGGCGGAGGATATCGTCAACCGGTAC  
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GTGTACGGCGCGCACCCGGCGCTGCTCGCGTCGGTGTACCCGGCGGCGAACGAGCGGTTC  
GAGTGGTCTTCTTCGTGTGCCGCCGTCAAGTCCCCGGTGGCCGGCGCAGGGCCGGGCC  
GGGGACTACCGCCTCTCGCAGGAGGCGAAGCACCGCGCAACGCGTTCGCCACAGCTTC  
CGGTACTACGAGTACGAGGACGCCGGCGGCGGCTTCAGGGAGACCGAGTGGCGCATGGTG  
GAGTACGGCGATCGCGGCCGCGACGCCGGCGCCGAGGCTCCGAGGGCTTCGAGCTGGTC  
GTCTGCAAGGTCTACCCGGCGCGCGGCGGGGCGCTCCACGAGCGGCTCGGGGCCGACCGG  
GCGGTGCTCGCGACGCGCCACCGCGCCGACGAGGACGCCAAGCCGCAGGTGCTCGTCCAG  
CTCTACCTCGCCAGCCTCCGCCCTCGGGAACCCGCTCGCGTGCCGCGTGACCCGCGCCGAC  
GACGTCTTCGACGCGCACCCGGCGGTGATCACGGCCGCGCTCCCTGCTGCCAACGACCGG  
TGCGAGTGTTCTTCGCCGCCGTGCGCCCGCGCGGGCACGCGCAAGGGCACGGGGACGGC  
GCGCCGCCGCGCCCGCGGAAGGCCGGGCCAGGGGCGTACGTGCCGGTGCGCGAGTGCCGC  
GTCGTGGACGGGAGGCGCGGGGACATGGGCTGCCGCCCTCGTGTCTGGTACAGGGAGGAC  
GACGAGGAGGCGAGGCGGGCGCTCGCGGAGGACGAGTGGTGGATGGACGAGTACAGGTTC  
GGCCCGGACTTCCCGTACGGCGAGCTGCCCCGCGCCATGGCGCGCGGCCAAGACGAAGAG  
CTGGTGGTGTACAAGGTGTATCCTAGGCTGGTCGGTAACCGGCGATAA

Protein

> **ONAC143**

MLPMRPRASQAAAPETAAAAESLREEETEDGWVFLAGRSRATRPPPPPPSPMARAVASGS  
SGGGGGQFPDPTAEDIVNRYLPLRRALRCDALPRQVHDADVGAHPALLASVYPAANERF  
EWFFVCRRRQCPGRRRRAGPGDYRLSQAETHRGNAFCHSFRYYEYEDAGGGFRETEWRMV  
EYGDRGRDAGAGGSEGFELVVKVYPARGGALHERLGADRAVLATRHRADEDAPQVLVQ  
LYLASLRLGNPLACRVHRADDVFDHPAVITAALPAANDRCEWFFAAVRPRGHAQGHGDG  
APPRPRKAGPGAYVPVRECRVVDGRRGDMGCRLVFWYREDDEEARRASRRTEWWMDEYRF  
GPDFPYGELPAPMARGEDEELVVYKVYPRLVGNRR\*



**LOC\_Os05g26026 (ONAC144) sequence information**

**Genomic sequence length:** 963 nucleotides

**CDS length:** 963 nucleotides

**Protein length:** 320 amino acids

**Putative Function:** expressed protein

#### Genomic Sequence

##### > **ONAC144**

ATGGCGGCGGCTGCGGCTGGCGCGGATGGGCTCCTCCCGGGCCTCAAGCTCGATCCCAGC  
GACGACGAGCTCGTCGGCCGCTGCCTGCTCCGGCGCCTCCAGGGCCAGCCCCCTCCCGCTC  
GGCGGCGACATCCTCGAGGCGGATCCCCTGAGCGCGCCGCCGCCGTGGAATCTTCTCGCG  
GATCACGGCCGCGGCGACGAGGCCCTTCTTCTTGCCAAGAAGGGGAACGAAAGCGGCAG  
AGGAGCAGTGTGAGGGGCGAGAGGATGTGCGTGGACGGCGGGAGGCTCCGGGTCCCTGAT  
GACGGTCGCGGCGGCGGCGGTGGTTTGGCTTTCTTGCCGTCGATCTTTCCTTCGCCACCA  
CCGGTTCCCCGCTGCTCCACTCCGCTGTCCCCGTCTCGCCGCCATTTAAGCCGAGCCGG  
GTGATCGTCAGATGGTGGGCGCCGCCGGGGGGGTGGTGCAAACCTCAACTTTGATGGCAGC  
GTGTATGACGACGATCCCGGCGAGCGAGCATCGGCGGCGTGATCCGCGGCTGCGACGGT  
GGCGTGGTGCTCGCCTTCGCGGAGATCACGGAGCACTGGACGGTTGGCGTGGTGGAGGCC  
CGTGCGATGATCCGGGGGCTGAGGCTCGCGCTGGCGTGCTTCGTCGAGCGGCTTGTCGTC  
GAGGGCGACGACCTGGTGCTGGTTACAGTCATCCGCGGCGAGGAGACGCAGACGAGGATC  
CCGGCGGCGATGCACGAGGAAATCCTGGACCTGCTCCGCTGCTTCGCGGACGTCGAGGTG  
CGACACATATATCGGGAGGGCAACTCGATGGCCACACCCTGTGTCGCCAGGCGTACGTG  
CATCCCGGGCTGTGGACAGATTGCGCCACGCTGCCGGCCGCCGTCTGGGAGAAGATCGAC  
GATGATCTGCGCGGGGTGGTGACGAGCGCTCTGCAACAAGAAGAAGAAATCCAGCGCT  
TGA

#### CDS

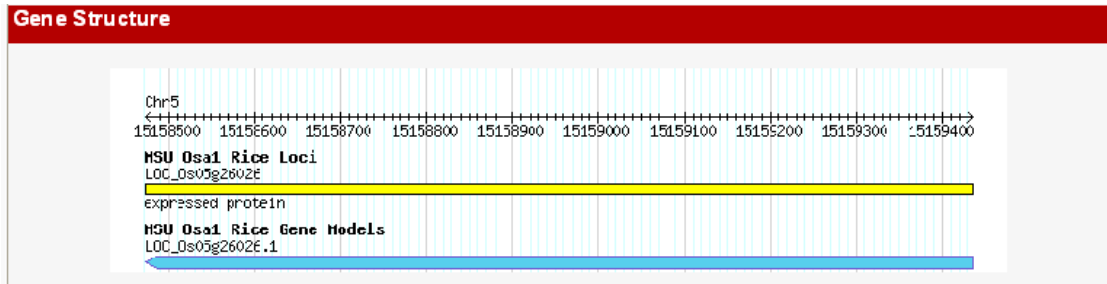
##### > **ONAC144**

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AGGAGCAGTGTGAGGGGCGAGAGGATGTGCGTGGACGGCGGGAGGCTCCGGGTCCCTGAT  
GACGGTCGCGGCGGCGGCGGTGGTTTGGCTTTCTTGCCGTCGATCTTTCCTTCGCCACCA  
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CGACACATATATCGGGAGGGCAACTCGATGGCCACACCCTGTGTCGCCAGGCGTACGTG  
CATCCCGGGCTGTGGACAGATTGCGCCACGCTGCCGGCCGCCGTCTGGGAGAAGATCGAC  
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TGA

Protein

> **ONAC144**

MAAAAAGADGLLPGLKLDPSDDELVGRCLLRRLQGQPLPLGGDILEADPLSAPPPWNLLA  
DHGRGDEAFFLAKKGNGKRQRSSVEGQRMCDGGRLRVPDDGRGGGGGLAFLPSIFPSPP  
PVPRCSTPLSPSSPPFKPSRVIVRWWAPPGGWCKLNFDSVYDDGSRRASIGGVIRGCDG  
GVVLAFAEITEHWTVGVEARAMIRGLRLALACFVERLVVEGDDLVLVQLIRGEETQTRI  
PAAMHEEILDLLRCFADVEVRHIYREGNSMAHTLCRQAYVHPGLWTDATLPAAVWEKID  
DDLRGVVHERLCNKKKKSSA\*



**LOC\_Os05g26049 (ONAC145) sequence information**

**Genomic sequence length:** 963 nucleotides

**CDS length:** 963 nucleotides

**Protein length:** 320 amino acids

**Putative Function:** expressed protein

Genomic Sequence

> **ONAC145**

ATGGCGGCGGCTGCGGCTGGCGCGGATGGGCTCCTCCCGGGCCTCAAGCTCGATCCCAGC  
GACGACGAGCTCGTCGGCCGCTGCCTGCTCCGGCGCCTCCAGGGCCAGCCCCCTCCCGCTC  
GGCGGCGACATCCTCGAGGCGGATCCCCTGAGCGCGCCGCCCGCTGGAATCTTCTCGCG  
GATCACGGCCGCGGCGACGAGGCCCTTCTTCTTGCCAAAGAAGGGGAACGGAAGCGGCAG  
AGGAGCAGTGTGAGGGGCGAGGATGTGCGTGGACGGCGGGAGGCTCCGGGTCCCTGAT  
GACGGTCGCGGCGGCGGCGGTGGTTTGGCTTTCTTGCCGTCGATCTTTCCTTCGCCACCA  
CCGGTTCCCCGCTGCTCCACTCCGCTGTCCCCGTCTCGCCGCCATTTAAGCCGAGCCGG  
GTGATCGTCAGATGGTGGGCGCCGCCGGGGGGGTGGTGAAACTCAACTTTGATGGCAGC  
GTGTATGACGACGATCCCGGCGAGCGAGCATCGGCGGCGTGATCCGCGGCTGCGACGGT  
GGCGTGGTGCTCGCCTTCGCGGAGATCACGGAGCACTGGACGGTTGGCGTGGTGGAGGCC  
CGTGCGATGATCCGGGGGCTGAGGCTCGCGCTGGCGTGCTTCGTCGAGCGGCTTGTCTC  
GAGGGCGACGACCTGGTGCTGGTTCAGCTCATCCGCGGCGAGGAGACGCAGACGAGGATC  
CCGGCGGCGATGCACGAGGAAATCCTGGACCTGCTCCGCTGCTTCGCGGACGTCGAGGTG  
CGACACATATATCGGGAGGGCAACTCGATGGCCACACCCTGTGTGCCAGGCGTACGTG  
CATCCCGGGCTGTGGACAGATTGCGCCACGCTGCCGGCCGCGTCTGGGAGAAGATCGAC  
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TGA

CDS

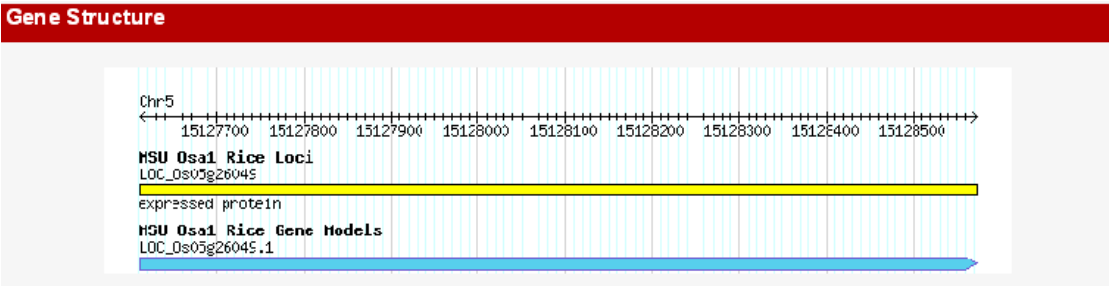
> **ONAC145**

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CGTGCGATGATCCGGGGGCTGAGGCTCGCGCTGGCGTGCTTCGTGAGCGGCTTGTCGTC  
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CCGGCGGCGATGCACGAGGAAATCCTGGACCTGCTCCGCTGCTTCGCGGACGTCGAGGTG  
CGACACATATATCGGGAGGGCAACTCGATGGCCACACCCTGTGTCGCCAGGCGTACGTG  
CATCCCGGGCTGTGGACAGATTGCGCCACGCTGCCGGCCCGCTCTGGGAGAAGATCGAC  
GATGATCTGCGCGGGGTGGTGACGAGCGCCTCTGCAACAAGAAGAAGAAATCCAGCGCT  
TGA

Protein

> **ONAC145**

MAAAAAGADGLLPGLKLDPSDDELVGRCLLRRLQGQPLPLGGDILEADPLSAPPPWNLLA  
DHGRGDEAFFLAKKNGKRQRSSVEGQRMCDGGRRLRVPDDGRGGGGGLAFLPSIFPSPP  
PVPRCSTPLSPSSPPFKPSRVIVRWAPPGGWCKLNFDGSVYDDGSRRASIGGVIRGCDG  
GVVLAFAEITEHWTGVVVEARAMIRGLRLALACFVERLVVEGDDLVLVQLIRGEETQTRI  
PAAMHEEILDLLRCFADVEVRHIYREGNSMAHTLCRQAYVHPGLWTDATLPAAVWEKID  
DDLRGVVHERLCNKKKKSSA\*



**LOC\_Os05g27749 (ONAC146) sequence information**

**Genomic sequence length:** 1218 nucleotides

**CDS length:** 1218 nucleotides

**Protein length:** 405 amino acids

**Putative Function:** expressed protein

Genomic Sequence



> **ONAC146**

ATGGCGGCGGCTGCGGCTGGCGCGGATGGGCTCCTCCCGGGTCCCAAGCTTGATCCTAGC  
 GACGACGAGCTCGTCGGCGGCTACCTGCTCCGGCGCCTCCAGGGCCAGCCCCTCCCGCTC  
 GAGGCGGATCCCCTGAGCGCGCGGCCGCGGAATCTTGCCGCGGATCACGGCCGCGGCGAC  
 GAGGCCTTCTTCTTGCGGAGGCGCAGGCCAAGAACGCGAAGGGAAAGCGGCAGAGGAGC  
 ACCGTCGAGGGGCAGAGCATGTGCGTGACGGCGGGAGGCTCCGCGTCCCTGATGACGGT  
 CGCGGCGGCGGCGGATTGGCTTTCTCGCACTTCTTGCCGCTGTCGCCGTCGATCGTTCCC  
 TCGCCAGCACCGTCTCCCCGCTGCTCCACCTCCACGCCGCTGTCCCCGCCGAAGCTTCTC  
 GCGGATCACGGCCGGGGCGACGAGGCCGCCCTTCTTCGCGGACGCGTGGGCCAAGAACGGC  
 AAGCGGCAGAAGCAGAGGAGCACCGTCGAGGGCGGAGGGCTCTGGCAGGGGCAGGGGATG  
 CTCGTGGACGGCGAGAGGCTCCGCGTCGCTGATGACGGCGGCGGCGGTTTCGGCTTTCTTG  
 CCGCCGTCGATCCTTCCGTCGCTGCTGCCGGCTCCCCGCTGCTCCACGCCGCTCTCCCCG  
 TCCTCGCCGCCGTTCCGGCCGTCCAGGGTGATCGTTTCGGTGGGCGCGGCCGCCGCTGGG  
 TGGTGCAAACCTGAACTTTGACGGCTCGGTGTTCAACGACGGCTCCCCGCGAGCGAGCATC  
 GCGGCGTCATCCGCGACAGCGACGCCGGCGTGCTCGCCTTCGCGGAGACAACGGAG  
 CACTGGACCGTCGGCGTGGTGGAGGCCCGTGCTATGATCAGAGGCCTGAGGTTTCGCGCTG  
 GCGTGCTTCATCGAGCGGCTCGTGGTGGAGGGCGACGACCTGGTGCTGGTCCAGCTCATC  
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CDS

> **ONAC146**

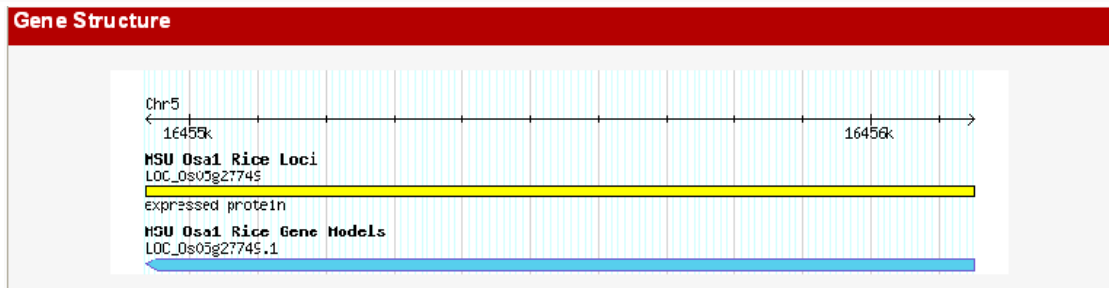
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 TCGCCAGCACCGTCTCCCCGCTGCTCCACCTCCACGCCGCTGTCCCCGCCGAAGCTTCTC  
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 CACACACTGTGCCGGCAGGCGTACGTGTGTCCGGGCATATGGTTCGAGAGGGGAGGAGGG  
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ATCCGCAAGAACAAGTAG

Protein

> **ONAC146**

MAAAAAGADGLLPKLDPSDDELVGGYLLRRLQGGPLPLEADPLSARPRNLAADHGRGD  
EAFFLAEQAQAKNAKGRQRSTVEGQSMCVDGGRLRVPDDGRGGGGLAFSHFLPLSPSIVP  
SPAPSPRCSTSTPLSPPKLLADHGRGDEAAFFADAWAKNGKRQKQRSTVEGGGLWQQQGM  
LVDGERLRVADDGGGGS AFLPPSILPSLLPAPRCSTPLSPSSPPFRPSRVIVRWARPPPG  
WCKLNFDSVFNDSPPRASIGGVIRSDAGVVLFAETTEHWTVGVEARAMIRGLRFAL  
ACFIERLVVEGDDLVLVQLIRGEETQTRIPAAMQEEILNLLRCFAEVDVRHIYREGNSVA  
HTLCRQAYVCPGIWSQRGGGMPAAVWDKVVDDRRGVVHERIRKNK\*



**LOC\_Os07g31410 (ONAC148) sequence information**

**Genomic sequence length:** 636 nucleotides

**CDS length:** 636 nucleotides

**Protein length:** 211 amino acids

**Putative Function:** expressed protein

Genomic Sequence

> **ONAC148**

ATGGCGCCGCTCGCAGATCCCGCCGCCGAGGGCTTCCGCATCCCCTTCCTCCCCAGCGAC  
AGCGACCTCCTCGACTGCCTCCTCCGCCCAAGATCGCTCCGGCCGCGTCGACCCCCGC  
TTCGCGCCGCTCGTGCACGACGTCGCCGACGCGTTCGCCCTCCCCCGGCCAGCTGGCG  
GCCGCGCACGCGCCCGCGCCCGCGCGCGCGCGAGGCGTGGTACTTCTTCAGCGTG  
CGCCCCCGCGCCCGCGCCCGCGCGCGCGGATCCAAGAGGGCGGCGTCGCGCGCGGTC  
GGCGGCGGCGGCGCAAGCGGTGGTGCTCGATGGGCGCCAAGAAGGCGGTGGAGGGAGGC  
GGGTACTGCCAGAGGTTTCAAGTACAAGGAGAGGACGGCGGCGGGCGTCTGGCGCCCCGA  
TGGATGATGGTGGAGTACGGCGTCGCCCAGGAACACGACGGCGAGGGCGTCGCCAGGAA  
CACGGCGGCGAGGGCGTCGCCGAGCTCGTGCTCTGCAAGATCTTCGCTCCCCCGAGCCT  
TCCCGTCGCTCGGAGTCGGGGTCGCCGTCCTCCAGCTCGTCGGCCTCCGCCTCCCCGTCC  
TGCTCCGGCGGCCGCAAGAGGAAGGCCGCCGAATAG

CDS

> **ONAC148**

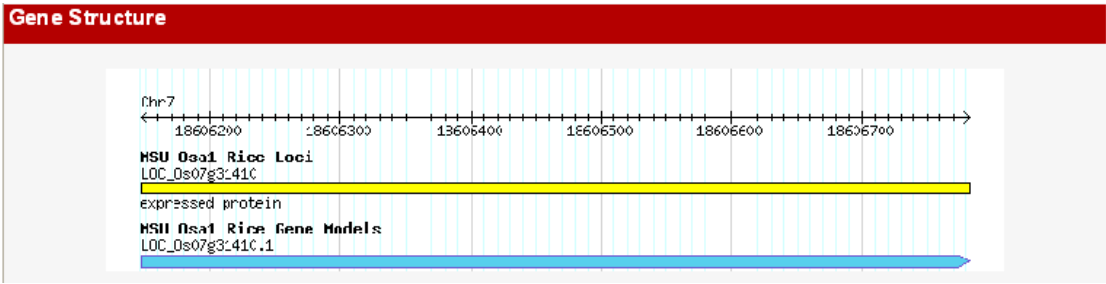
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AGCGACCTCCTCGACTGCCTCCTCCGCCCCAAGATCGCCTCCGGCCGCGTCGACCCCCGC  
TTCGCGCCGCTCGTGACGACGTCGCCGACGCGTTCGCCCTCCCCCGGCCAGCTGGCG  
GCCGCGCACGCGCCCGCGCCGGCGCGCGCGCGGAGGCGTGGTACTTCTTCAGCGTG  
CGCCCCCGCGCCCGCGCCCGCGCCCGCGCCGGATCCAAGAGGGCGGCGTCGCGCGCGGTC  
GGCGGCGGCGGCGCAAGCGGTGGTGCTCGATGGGCGCCAAGAAGGCGGTGGAGGGAGGC  
GGGTACTGCCAGAGGTTCAGGTACAAGGAGAGGACGGCGGCGGGCGTCTGGCGCCCCGA  
TGGATGATGGTGGAGTACGGCGTCGCCAGGAACACGACGGCGAGGGCGTCGCCAGGAA  
CACGGCGGCGAGGGCGTCGCCGAGCTCGTGCTCTGCAAGATCTTCCGCTCCCCGAGCCT  
TCCCGTCGCTCGGAGTCGGGGTCGCCGTCTCCAGCTCGTCGGCCTCCGCTCCCGTCC  
TGCTCCGGCGGCCGCAAGAGGAAGGCCGCCGAATAG

Protein

> **ONAC148**

MAPLADPAAEGFRIPFLPSDSLDCLLRPKIASGRVDPRFAPLVHVDADAFALPPAQLA  
AAHAPAPGAGGAEAWYFFSVRPRARARARAGSKRAASRAVGGGGGKRWCSMGAKKAVEGG  
GYCQRFYKERTAAGVVAPRWMVVEYGVAQEHDEGVAQEHGEGVAELVLCKIFRSPEP  
SRRSESGSPSSSSSASASPSCSGGRKRKAAE\*



**LOC\_Os10g27380 (ONAC149) sequence information**

**Genomic sequence length:** 1720 nucleotides

**CDS length:** 1128 nucleotides

**Protein length:** 375 amino acids

**Putative Function:** expressed protein

Genomic Sequence

> **ONAC149**

GGAGCACACGCACGCGCGGCGGACGGCGCGACCTCGCCTCGACACGAGCTCTCGTGATC  
TCGTCTCGCCGCGTCTAGCTCGCCGGCGCCGCCGCGCGCGCGTCCCCTCGCCGCCGTA  
CGTGTAGCGGAGCGACTCCCTCTCTCCCTCCCGCTCACCTCCGGGACCGGTCGGTCGGT  
CGATCGATCGACGGGGCGAGGGGATGGCGGCACCGGAAGGCCAGAACAAAGTTCGCGGGCG  
TCCGCTTCTTGCCCAAGGACCTGGAGCTCCTCGCCATCCTCGACGCCAAGCTCCGCGGAA  
GCCCCGTTAGGCCCGTGGAAAGCCATCTCCACGACACGCAGATCCTCGACTTCCACCCGT  
ACAAGCTCTACGGTATCCACCGCCTCGATCGATCGATCTCCCTCTCTCTCTCTTTGTC  
GATCTCCTTCTTCTCTCCGGCGACGGGTGGGTGCCTGGATCAGATCATGCAGTTTGGG  
GATTTTGATTTCGGGATTTTCGGGTGGATATTACTCGACTGATTTTGCAGAGATGTATGCTG  
AGGACGAGGAGGAGGAAGGCTACATCTACTTCTTCAGCACGATGCAGTTCAGATGCAGGA

AGATTGTGGAGCGCGCGCGCAGGGCGGCCGGTGAAGGTGAACAACCTGCGAGACTCTGG  
 AGGTTGGCGGCGTCGCCGTTGGCCGGAAGTTCACCATGAATTTCTACGAGCATATCGGCG  
 GCGACAACGACCTCATCTGGACCAACTGGGGCATGCAAGAGTTCGCCAGGATCATCGGCC  
 CAAACAAGGAGGTATTCCATTTCGAAAATCCACTTCTGAATCTTCGTTCAATGATCGGATA  
 CATTTGATCTCATTTGGGTGAAATTTTTCTGATCATTTTGGCCAAAAGCTCGCGGATCTT  
 GCCTTGTACCGCCTATACAAGAAGAAAATAACAAGGGGGACAGGCGAGGAGAAGCCGGAA  
 GACATCGCCGCGGCTAGCGATGGCGATACCGAGAGCAGCATGAACAAGCGTAGACGTGTA  
 GAAGCGTCGGCGGCGGCCATGGCGCTGCCACCGCCACCGCCATCGCCAGGCCTGCCTGGA  
 ACAATGATGTTTCATGGCGGCGGACCAGGCGAACGTGGCCTCGACCTCGCAGGAATGGCAC  
 GGCCAGTTCGCCAACGGCGCTGCGGGCGGCGCCGAGTCCTAGCGGCTGCTGGCCCTGGGCG  
 CCACCGCCGACACCGAGCGCAGTGGAGCCTTTCAGCTTCTGGGCCAGCGCGTCGGCGGCG  
 ACTCCTCCTGCCGCCGGAACCTACCACCCGTCGCCGCAGCCGCAGCCGCTGCCGCCGCGAG  
 GGCGGCGAGTACTACTCCAGACACGGCGCCTTCTCGGTGGCGCCCGTGCCCGCGTCCGCC  
 TGCTCGACGCCGTCCCCGGAGGCGGCGACCAGCTGCCTCTTGGCTACGACGTCACCTCTG  
 CCGGCGGCAGGTACTGAGGGCAGTGACAGTCAGCAGCAAGAACCCCCCTGCGAATTGATG  
 GAATTTTGAAATTTTGGCGAATTGCTTATAGCTGATTCTGATCTGGCCGACAAATTTCCG  
 TCAAATTCGCAGTGTTCAACTTCGTACTCTTTTTCTGACCGTTGGCTGTTACTTCACTAG  
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CDS

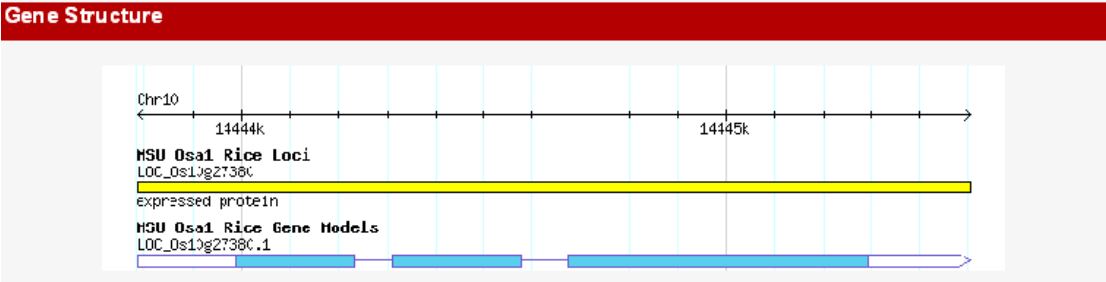
> **ONAC149**

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 ATCTTCCACGACACGCAGATCCTCGACTTCCACCCGTACAAGCTCTACGGTATCCACCGC  
 CTCGATCGATCGATCTCCCTCTCTCTCTCTTTGTCGATCTCCTTCTTCTTCTCCGGCG  
 ACGGAGATGTATGCTGAGGACGAGGAGGAGGAAGGCTACATCTACTTCTTCAGCACGATG  
 CAGTTCAGATGCAGGAAGATTGTGGAGCGCGCGCGCAGGGCGGCCGGTGAAGGTGAAC  
 AACTGCGAGACTCTGGAGGTTGGCGGCGTCGCCGTTGGCCGGAAGTTCACCATGAATTC  
 TACGAGCATATCGGCGGCGACAACGACCTCATCTGGACCAACTGGGGCATGCAAGAGTTC  
 GCCAGGATCATCGGCCAAACAAGGAGCTCGCGGATCTTGCCTTGTACCGCCTATACAAG  
 AAGAAAATAACAAGGGGGACAGGCGAGGAGAAGCCGGAAGACATCGCCGCGGCTAGCGAT  
 GGCGATACCGAGAGCAGCATGAACAAGCGTAGACGTGTAGAAGCGTCGGCGGCGGCCATG  
 GCGCTGCCACCGCCACCGCCATCGCCAGGCCTGCCTGGAACAATGATGTTTCATGGCGGCG  
 GACCAGGCGAACGTGGCCTCGACCTCGCAGGAATGGCACGGCCAGTTCGCCAACGGCGCT  
 GCGGCGGCGCCGAGTCCTAGCGGCTGCTGGCCCTGGGCGCCACCGCCGACACCGAGCGCA  
 GTGGAGCCTTTCAGCTTCTGGGCCAGCGCGTCGGCGGCGACTCCTCCTGCCGCCGCGAAC  
 TACCACCCGTCGCCGAGCCGAGCCGTCGCCCGCAGGGCGGCGAGTACTACTCCAGA  
 CACGGCGCCTTCTCGGTGGCGCCCGTGCCCGCGTCCGCCTGCTCGACGCCGTCCCCGGAG  
 GCGGCGACCAGCTGCCTCTTGGCTACGACGTCACCTCTGCCGGCGGCAGGTACTGAGGGC  
 AGTGACAGTCAGCAGCAAGAACCCCCCTGCGAATTGATGGAATTTTGA

Protein

> **ONAC149**

MAAPEGQNKFAGVRFLPKDLELLAILDAKLGRSPLGPVEAIFHDTQILDFHPYKLYGIHR  
LDRSISLSLSLCRSPSSSPATEMYAEDEEEEGYIYFFSTMQFRCRKIVERAAQGGRWKVN  
NCETLEVGGVAVGRKFTMNFYEHIGGDNDLIWTNWGMQEFARIIGPNKELADLALYRLYK  
KKITRGTGEEKPEDIAAASDGDTESSMNKRRRVEASAAAMALPPPPSPGLPGTMMFMAA  
DQANVASTSQEWHGQFANGAAAAPSPSGCWPWAPPPTPSAVEPFSFWASASAATPPAAAN  
YHPSPQPQLPPQGGEYYSRHGAFSVAPVPASACSTPSPEAATSCLLATTSPLPAAGTEG  
SDSQQQEPPCELMEF\*



**LOC\_Os11g04360 (ONAC150) sequence information**

**Genomic sequence length:** 1911 nucleotides

**CDS length:** 1284 nucleotides

**Protein length:** 427 amino acids

**Putative Function:** alpha/beta hydrolase fold, putative, expressed

**Genomic Sequence**

**> ONAC150**

ACATTTTCACTGCTACGTACTCGATCATCTGGCCAGCTGCTGCCATGGCAACATTGCCGC  
AAATGGCCGCGACCAAGGAGCGTCAAGAGGCGGCTAACCCGACCACGACGACCAGGACGC  
TGGTCGAGTCCGTACCAACTGGATCCGCGTCTACTCCGACGGCTCCGTCGACCGCCTCG  
GCCCCCGGAAGCCGCGCGTTCATGGTCCTCGTCCCGCCGTACGACGACCCACGCGACG  
GGGTACCGTCCACGACGTCGCCACGGACCATGGCGTCGACGTCCGCCTGTACCTGACGA  
CGACGGCGCCGCCAGGCGCCGCCCTGTTCTCGTTCATTTCCACGGCGGCGGCTTCTGCT  
TGTCACGCGCCGCTGGTCGCTCTGCCACCGCTTCTACGCGCCGCTACCGTGGACCTCG  
ACGTCGCGGGCATCGTCTCCGTCGTCTCCCGCTCGCGCCGGAGCACCGCCTACCCGCCG  
CCATCGACGCCGACACGCCGCGTGTCTGCTCCGTGACGTGCGGTCCGGGGGACGCG  
ACACCATCGCACATCTGCGGTGGAACGCCCTTTGCGGCGCCGCCGACTTCTCACGCGTGT  
TCCTCATCGGCGACAGCGCGGGCGGCTCCTCGTGCAACGTGGCGGCACGCGCCGGCG  
AGGCTGGGGCCGAGGCGCTCGACCCGATACGCCCTCGCCGGTGGTGTCCAGCTCCACCCG  
GCTTCATCTTGCCGGAGAAGAGCCCGTCGGAGCTGGAGAACCCGCCCACCCCGTTCATGA  
CGCAGGAGACGGTGGACAAGTTCGTCTGTCTCGCGTTGCCGGTAGGCACCACCCGTACAC  
GTCTCCGGCGGCGGCGGTGACGGCGGCGGAGGGCGCCAGCTGCCGCCAATGCTGGTGAT  
GGTCGCGGAGGAGACATGCTCCGGGACGCGCAGACGGAGTACGGCGAGGCCATGGCGCG  
CGCGGGCAAGGCGGTGGAGACGGTGGTCAGCCGCGGCCGCGGGATCGGCCACGTGTTCTA  
CCTCAACTGGTTCGCCGTGGAGTCCGACCCCGTCGCGGCGGCGCGGGCGCGGGAGCTCGT  
CGACGCCGTCAAGAGCTTCGTGATAGCCACTGAAACAATGCTCTTCTTTCCCGACCGA  
TTCCAAGTTTGTACCGGTGTCTGCTGTACATCTAAATTTGTGTGAAATCCTGTACCTG  
TCACGTACTACTCCTACATCACAATGGCTCTGTATTTTAAACAACCTTCCCGCCAATAC

GTGTCTTCGTCTCTCCGATCCGCTTACGAAATTTTCGATTTGATGGAGCAATACGTCGAGA  
 AGATGCTCACTTTAGGCTTTTCGTTTCAACCCGTCTGCAGAGGATCTCATCACCTTCTACC  
 TGCCACGGCTGATCGCCGGCAAAGCCGACGAAAGACACCGAGAAGTTCATCTGCCGCGCC  
 GATGTTTACGGCAGCGAGCCCAGTGACCTCGCCGAAAGTTCGCGCCGGTGCCGAGGTGC  
 GAGAAAGGTGGCAGGCTCTTCTTCACTAGCTGCAAGCGGCACAAGGGGAGTAGCACCAGG  
 AAAGAGCGAACC CGGGGATGGCACCTGGGTGAGGCAGAACAGCAAGGGGGTGAAGAAC  
 AAGGCAGGGGTCAAGGTGCGCGAGACGCAGAACTTCCGTTTCAAGAAGGACGGGAGCTAC  
 ACCGACTGGCTGATGGAGGAGCACCCTGCTGCCGGCAGCAAGCCGTCGCCGGCGACGAG  
 GAGCCCGTCATCTGCCGGATGTATGTGTCGCCGAGGGCGCCTCCGGATTCCGCGGCGCGC  
 CAGGAATCCGCTGCTTTTGTGCAGCAGCAGCCGGCGCCGAGGTTTCCGAGCCGCCGTGC  
 GACAAGAAGAAGAGAGATGATGTGGCAGAAGAAGCCCCTGCCGAGCTTAG

CDS

> **ONAC150**

ATGGCAACATTGCCGCAAATGGCCGCGACCAAGGAGCGTCAAGAGGCGGCTAACCCGACC  
 ACGACGACCAGGACGCTGGTCGAGTCCGTACCAACTGGATCCGCGTCTACTCCGACGGC  
 TCCGTCGACCGCCTCGGCCCCGCCGAAGCCGCCGCTTCATGGTCCTCGTCCCGCCGTAC  
 GACGACCCACGCGACGGGGTCAACGTCCACGACGTCGCCACGGACCATGGCGTCGACGTC  
 CGCCTGTACCTGACGACGACGGCGCCGGCCAGGCGCCGCCCTGTTCTCGTTCATTTCCAC  
 GGCGGCGGCTTCTGCTTGTCCACGCCGCGTGGTCGCTCTGCCACCGCTTCTACGCCCCG  
 CTCACCGTGGACCTCGACGTCGCGGGCATCGTCTCCGTCGTCCTCCCGCTCGCGCCGGAG  
 CACCGCCTACCCGCCGCCATCGACGCCGGACACGCCGCGCTGCTCTGGCTCCGTGACGTC  
 GCGTCCGGGGGACGACACCATCGCACATCCTGCGGTGCAACGCCTTTGCGGCGCCGCC  
 GACTTCTACGCGTGTTCCTCATCGGCGACAGCGCGGGCGGCGTCTCGTGCACAACGTG  
 GCGGCACGCGCCGGCGAGGCTGGGGCCGAGGCGCTCGACCCGATACGCCTCGCCGGTGGT  
 GTCCAGCTCCACCCGGGCTTCATCTTGCCGGAGAAGAGCCCGTCGGAGCTGGAGAACCCG  
 CCCACCCCGTTTCATGACGCAGGAGACGGTGGACAAGTTCGTCTGTGCTCGCGTTGCCGCCG  
 ACGAAAGACACCGAGAAGTTCATCTGCCGCGCCGATGTTTACGGCAGCGAGCCAGTGAC  
 CTCGCCGAAAAGTTCGCGCCGGTGCCCAGGTGCGAGAAAAGGTGGCAGGCTCTTCTTCACT  
 AGCTGCAAGCGGCACAAGGGGAGTAGCACCAGGAAAAGAGCGAACC CGGGGGATGGCACC  
 TGGGTGAGGCAGAACAGCAAGGGGGTGAAGAACAAAGGCAGGGGTCAAGGTGCGCGAGACG  
 CAGAACTTCCGTTTCAAGAAGGACGGGAGCTACACCGACTGGCTGATGGAGGAGCACCAC  
 TGCTGCCGGCAGCAAGCCGTCGCCGGCGACGAGGAGCCCGTCATCTGCCGGATGTATGTG  
 TCGCCGAGGGCGCCTCCGGATTCCGCGGCGCGCCAGGAATCCGCTGCTTTTGTGCAGCAG  
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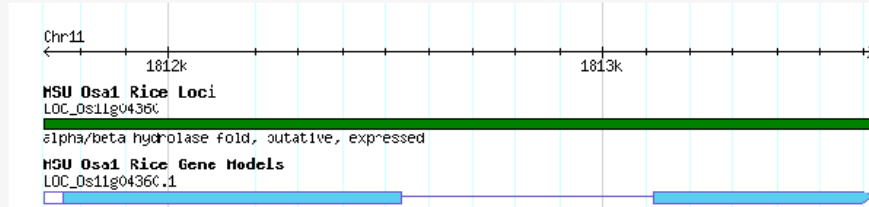
Protein

> **ONAC150**

MATLPQMAATKERQEANPTTTTRTLVESVTNWIRVYSDGSVDRLGPPEAAAFMVLVPPY  
 DDPRDGVTVHDVATDHGVDVRLYLTTAPARRRPVLVHFHGGGFCLSHAAWSLCHRFYAR  
 LTVDLVDVAGIVSVVLPAPHEHRLPAAIDAGHAALLWLRDVASGGSDTIAHPAVERLCGAA  
 DFSRVFLIGDSAGGVLVHNVAARAGEAGAEALDPIRLAGGVQLHPGFILPEKSPSELENP  
 PTPFMTQETVDKFFVLALPPTKDTEKFICRADVYGSEPSDLAGKFAPVPRCEKGGRLFFT

SCKRHKGSSTRKERTAGDGTWVRQNSKGVKNKAGVKVGETQNFRFKKDGSYTDWLMEEHH  
 CCRQQAVAGDEEPIVCRMVSPRAPPDSSAARQESAAFVQQQPAPQVSEPPCDKKKRDDVA  
 EEAPAAA\*

#### Gene Structure



#### LOC\_Os11g31370 (ONAC151) sequence information

**Genomic sequence length:** 773 nucleotides

**CDS length:** 381 nucleotides

**Protein length:** 126 amino acids

**Putative Function:** hypothetical protein

#### Genomic Sequence

##### > ONAC151

ATGGCCGGTCCTCAGGTATGCATCAACTAAGTGAGCAGTACGAGTATTCACCATCCCCT  
 AGGTGTGTGTTCACCCACTACGGTGAGCTTGTATCAACTACCTTTACCAATGCGCCA  
 TTCAGATGTCTCTGCCCTATGACTTCATCACTGACATCGACATCCTTCACCATAATCCCT  
 TGGACATTGTCCCAAGTGAATATATTTTGACTTGTGTTGCCTTTGTTGTCCATTGAAAT  
 TATTAAGCCAAATCTTTGCAATCTTTGGTTTAATTCATCAATCTATAGCCTCACCTATG  
 ATATATTAGGTGTTTTGACGGTTAATTTCTTGTCTAATTCGTGTGTGTGCATATTTTCCT  
 TATGTTGGGTTTGGTGATGGAGCACGGCAGGAGAAGAAGAACGGGAAGCACTTCTTCACC  
 CGTAAGGAGAAAAAGCACCATGGCGACAACCTGTAGGAACCATGCCGCCGGCGTTGGGTTT  
 TGGAGGTTAGCAAGCACAGAGGCACTGGTATACAAGAATTCGGTGATGGCTCTGATAAAG  
 TGATAGTGGGTATGAAGCACACCCCTGGTGTCCACTACAGGAAGTCTTCATTTGCCGAGA  
 GCATGGAATGGGCAATGCAAGAGTTCCAACCTAGCTGGTTCCTACCTCTTGCCTTGCTTTG  
 TGATGCGGTTTGCCACCAGTGATGGCACAGAACCAACCTTTTGGCTGCACTAGAGTGACCA  
 TTGCCAACATGAGACACTGCATCCTAACACCATATTGTTGTTTTATTGGATAA

#### CDS

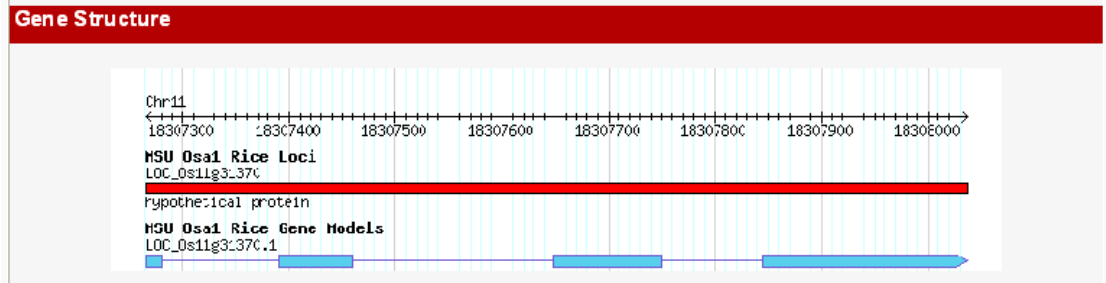
##### > ONAC151

ATGGCCGGTCCTCAGATGTCTCTGCCCTATGACTTCATCACTGACATCGACATCCTTCAC  
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 ACCCGTAAGGAGAAAAAGCACCATGGCGACAACCTGTAGGAACCATGCCGCCGGCGTTGGG  
 TTTTGGAGGAAGTCTTCATTTGCCGAGAGCATGGAATGGGCAATGCAAGAGTTCCAACCTA  
 GCTGGTTTCCTACCTCTTGCCTTGCTTTGTGATGCGGTTTGGCACCAAGTGATGGCACAGAA  
 CAACCTTTTGGCTGCACTAGAGTGACCATTGCCAACATGAGACACTGCATCCTAACACCA  
 TATTGTTGTTTTATTGGATAA

Protein

> **ONAC151**

MAGPQMSLPYDFITDIDILHHNPLDIVPTRQEKKNGKHFFTRKEKKHHGDNCRNHAAGVG  
FWRKSSFAESMEWAMQEFQLAGSYLLPCFVMRFATSDGTEQPFGCTRVTIANMRHCILTP  
YCCFIG\*





**Supplementary File 8.** Real-time PCR primers of 30 selected *ONAC* genes and actin gene (Os05g36290).

Locus	Name	Primers (5'–3')		Size (bp)
Os03g60080	<i>SNAC1</i>	Forward	CATCCCCAGGAACAACAGCA	64
		Reverse	GTACATGCCCTGGATATCGTCG	
Os07g12340	<i>OsNAC3</i>	Forward	AGAAGGCGCTCGTGTCTACCA	65
		Reverse	GTGCATGATCCACTCCGTCTTGAC	
Os01g60020	<i>OsNAC4</i>	Forward	AGACGGACTGGATCATGCACGA	82
		Reverse	TCCAGCTTCTGTGAGCCCTTCTTG	
Os11g08210	<i>OsNAC5</i>	Forward	ACAACGCCCTCAGGTTGGATGA	73
		Reverse	TCGTACCTCTCGATCACTCCCTTC	
Os01g66120	<i>OsNAC6</i>	Forward	AACAGCCTCAGGTTGGATGATTGG	60
		Reverse	CAGCCCGCCCTTCTTGTGTAAAT	
Os01g15640	<i>OsNAC8</i>	Forward	TGCAAAGTGCATGTTCCAA	138
		Reverse	ATGGCTCGATCCTTTCCAGTG	
Os07g37920	<i>ONAC010</i>	Forward	TTGCCATCGGAGTCAGCAG	78
		Reverse	TGGAGAGTTGGAACGGATGC	
Os05g37080	<i>ONAC012</i>	Forward	GGGCCAAGACCAAGTGGAAGAT	114
		Reverse	TGAAGTCACTCCTCGTCTGGAGAT	
Os01g01430	<i>ONAC016</i>	Forward	ACTACTCCGACGACCTCCC	100
		Reverse	CTCCATAGTTTTGTGCCTCTT	
Os01g01470	<i>ONAC020</i>	Forward	TGCAGATGCCATCCATGTCTGAC	64
		Reverse	AGTGAAGCGGTGGTGGAGAAGT	
Os03g04070	<i>ONAC022</i>	Forward	AAGGAGGACATGGTGCTCTGCAAG	89
		Reverse	TGCATCTCTTCCATTGCCGAGGCT	
Os02g12310	<i>ONAC023</i>	Forward	TTCAGTGGGGTTGAATGGTGATGG	61
		Reverse	TGGAGGCTCAAGGTGATCAAGGAT	
Os01g29840	<i>ONAC026</i>	Forward	TCTACCTGGCTTCCCGCTTCAGAT	60
		Reverse	GACGGGTTCCTCAACAACTGCT	
Os11g03370	<i>ONAC045</i>	Forward	TTGCAGCACCAGGCAGCAAT	67
		Reverse	TGCCAAGAGGATTTGGGAGACGAA	
Os08g02160	<i>ONAC049</i>	Forward	TCTTCCCGCTCTGGCCTCAATT	72
		Reverse	TTTCGGTACTTGCGGTCCCTTG	
Os03g02800	<i>ONAC054</i>	Forward	CTTCCATCCAAGGTGGATGTTG	117
		Reverse	GCCAATCTTCGTGTCAAGGCT	
Os03g21060	<i>ONAC058</i>	Forward	AACGGTTCATGCGTTGGTG	102
		Reverse	CATCCCCATGTTAGAGTGGAGC	
Os10g21560	<i>ONAC061</i>	Forward	GGAATGACCATAACGCAGCTG	108
		Reverse	CAAACCCTTGTTTCAGGTGGACT	
Os08g33910	<i>ONAC063</i>	Forward	GGATCTCCCAAAGCTTGCG	112
		Reverse	GAACCCAGCTGTTGTCACCC	
Os03g56580	<i>ONAC066</i>	Forward	AGACCGACTGGATGATGCACGA	99
		Reverse	TGCAGATGGTCCAGACCTCAGCTT	

Supplementary File 8. *Cont.*

Locus	Name		Primers (5'-3')	Size (bp)
Os03g39100	<i>ONAC069</i>	Forward	GGGATCAAGAAAGCGCGACTCA	68
		Reverse	AGGCACGTATCCGTCGAACAGA	
Os01g66490	<i>ONAC075</i>	Forward	GCCGGCAGCCACAACCTATAG	64
		Reverse	TTGGTTGATGCGACGACG	
Os05g34830	<i>ONAC088</i>	Forward	TGGGTCCTGTGCCGAATCTACAAC	99
		Reverse	GGTCTCCCCGTGGCTCATCATATT	
Os06g51070	<i>ONAC095</i>	Forward	CATTCCCGACACCATGCAAT	68
		Reverse	CCTTCCGGTAGACCTTGCAGA	
Os07g04560	<i>ONAC096</i>	Forward	GCAACGTGAACGGTGGCTAC	61
		Reverse	GCTGCTACTGTTCCATTGCTCC	
Os07g48450	<i>ONAC103</i>	Forward	CGATTCCGCAACGTCTCCATGA	64
		Reverse	CGGACTTCTTGTAGATCCGGCAGA	
Os10g42130	<i>ONAC121</i>	Forward	GCGTGATCAAGAGGCACGA	72
		Reverse	TGCTGATCATTCCTTTCGCC	
Os11g03300	<i>ONAC122</i>	Forward	TTCCTTTGATGATGGCAGCAGCA	60
		Reverse	TGCGGTTTCTTGACAACGGCAT	
Os12g03040	<i>ONAC131</i>	Forward	ATCCATGACCATGAGGCTGGACGA	119
		Reverse	GCTGTTTCATCGACGGTTGATCCCT	
Os12g03050	<i>ONAC132</i>	Forward	TGACCCCAGCATCTACTTCGTCAG	80
		Reverse	CGGAATAAACC GCGTTGTTGTTGT	
Os05g36290	Actin1	Forward	ATCCTTGTATGCTAGCGGTCGA	118
		Reverse	ATCCAACCGGAGGATAGCATG	