

附表三：基因列表（NO: 131）

NO	Predicted_Gene	Ref	Consistency	Align_Length	E-value	Score
1	Z149-5_P2_7	Cry1Ga2	89.356	1165	0	2148
2	Z149-5_P2_3	Cry1Da1	85.981	1177	0	2090
3	Z149-5_P2_23	Cry1Hc1	92.65	1170	0	2250
4	Z149-5_P2_190	Cry2Ah4	84.688	640	0	1082
5	Z149-5_P2_16	Cry1Ea1	81.927	1173	0	1987
6	Z149-5_P2_15	Cry1Ma1	78.867	653	0	1047
7	Z149-5_P2_1	Vip3Af4	98.604	788	0	1583
8	Z197-2_P2_14	Vip3Aa39	100	787	0	1592
9	Z197-2_P2_246	Cry9Eb3	99.479	1152	0	2391
10	Z197-2_P2_247	Cry9Aa1	97.837	1156	0	2356
11	Z197-2_P2_255	Cry1Na1	99.667	601	0	1249
12	Z197-2_P2_276	Cry9Ee1	99.74	1156	0	2396
13	Z197-2_P2_4	Cry1Ma1	78.101	653	0	1046
14	Z197-2_P2_6	Cry9Ba1	87.532	1167	0	1400
15	Z197-2_P2_8	Cry2Ac7	99.677	620	0	1258
16	SW41-2_Chr_2634	Xpp22Ba1	35.652	230	3.78E-19	87.4
17	SW41-2_Chr_5187	Spp1Aa1	80.677	502	0	851
18	SW41-2_P1_409	Vpb4Aa1	56.795	986	0	1040
19	SW41-2_P2_109	Cry2Aa16	99.684	633	0	1289
20	SW41-2_P2_117	Cry1Ia35	99.443	718	0	1486
21	SW41-2_P2_122	Cry1Ac33	99.744	1172	0	2419
22	SW41-2_P2_170	Cry2Ab17	99.526	633	0	1287
23	SW41-2_P2_173	Vip3Aa4	98.352	789	0	1566
24	SW41-2_P3_64	Cry1Ea1	99.915	1171	0	2417
25	Z144-2_Chr_2000	Cry21Ea1	41.452	1322	0	923
26	Z144-2_Chr_431	Cry21Ha1	40.656	1311	0	844
27	Z144-2_Chr_6103	Cry21Ea1	44.82	1361	0	1063
28	Z144-2_Chr_611	Cry65Aa1	33.032	775	1.91E-94	317
29	Z144-2_P6_4	App6Ba1	58.271	266	1.67E-99	292
30	Z144-2_P7_1	Cry14Aa1	55.434	1187	0	1252
31	Z144-2_P7_5	Cry21Ba1	44.361	1330	0	979
32	P226-4_Chr_1938	Vpb4Aa1	49.949	977	0	922
33	P226-4_Chr_1918	Vpb4Aa1	55.625	960	0	1054
34	P226-4_Chr_1948	Vpb4Aa1	33.605	735	1.15E-106	344
35	P226-4_P1_401	Xpp22Aa1	96.953	722	0	1411
36	P226-4_P1_335	Cry2Aa11	29.969	654	2.11E-69	234
37	P226-4_Chr_5190	Spp1Aa1	80.279	502	0	845
38	P226-4_P1_405	Vpb4Da1	35.714	420	4.85E-65	226
39	P226-4_Chr_1970	Mpp64Aa1	82.951	305	1.60E-180	496
40	P226-4_P1_352	Mpp60Ba1	32.131	305	4.37E-35	124
41	P226-4_P1_296	Mpp60Ba1	34.899	298	2.70E-40	138

42	P226-4_Chr_1851	Mpp64Ba1	54.483	290	1.08E-105	305
43	P226-4_Chr_1849	Mpp64Ca1	53.546	282	8.04E-106	305
44	P226-4_P1_406	Vpb4Aa1	28.854	253	1.39E-22	92.4
45	P226-4_P1_380	Mpp64Aa1	90.361	249	1.06E-159	441
46	P226-4_Chr_2693	Xpp22Ab1	33.468	248	2.71E-20	91.3
47	P226-4_P1_449	Vpb4Aa1	48.333	240	1.46E-62	206
48	P226-4_P1_386	Vpa2Ba2	30.802	237	3.42E-28	107
49	P226-4_P1_423	Vpb4Da1	69.163	227	1.03E-99	305
50	P226-4_Chr_2056	Mpp64Aa1	34.946	186	6.24E-27	99.8
51	P226-4_P1_421	Vpb4Aa1	51.205	166	3.29E-49	165
52	P226-4_P1_518	Mpp64Ca1	53.988	163	2.01E-56	174
53	P226-4_Chr_1967	Mpp64Aa1	88.535	157	1.01E-100	287
54	L354-2_P2_108	Cry70Ba1	99.629	808	0	1656
55	L354-2_P2_322	Tpp80Aa	87.772	368	0	680
56	L354-2_P2_63	Cry59Aa1	55.344	683	0	622
57	L354-2_P2_64	Cry4Ca2	81.416	565	0	980
58	L354-2_P3_105	Cry30Fa1	97.962	687	0	1384
59	L354-2_P3_106	Cry4Ca2	80.389	566	0	948
60	L354-2_P3_116	Cry28Aa2	38.997	359	1.11E-58	198
61	L354-2_P3_117	Cry68Aa1	75.712	667	0	996
62	L354-2_P3_126	Cry68Aa1	81.568	472	0	753
63	L354-2_P3_136	Cyt2Aa1	100	259	0	526
64	L354-2_P3_137	Cyt1Da1	99.409	508	0	1011
65	L354-2_P3_145	Cry54Aa2	100	677	0	1387
66	L354-2_P3_30	Cry4Ca2	97.249	1236	0	2506
67	L354-2_P3_78	Cry4Aa1	81.176	1190	0	1967
68	L354-2_P3_89	Cry53Ab1	40.916	699	3.58E-139	418
69	L354-2_P3_90	Cry4Ca2	78.697	568	0	924
70	SW22-5_P2_157	Cry69Ab1	100	1210	0	2523
71	SW22-5_P2_140	Cry4Cb1	98.086	1097	0	2234
72	SW22-5_P2_85	Cry70Aa1	99.875	802	0	1645
73	SW22-5_P2_105	Cry71Aa1	100	716	0	1494
74	SW22-5_P2_99	Cry72Aa1	100	687	0	1426
75	SW22-5_P2_165	Cry30Ea1	99.128	688	0	1410
76	SW22-5_P2_146	Cry50Ba1	99.558	679	0	1402
77	SW22-5_P2_124	Cry30Ga1	98.862	615	0	1244
78	SW22-5_P2_147	Cry4Ca2	84.643	560	0	1006
79	SW22-5_P2_164	Cry4Ca2	78.092	566	0	920
80	SW22-5_P2_104	Cry4Ca2	73.805	565	0	865
81	SW22-5_Chr_5053	Spp1Aa1	80.478	502	0	849
82	SW22-5_P2_100	Cry4Ca2	71.532	555	0	815
83	SW22-5_P2_123	Cry4Ce1	71.429	490	0	707
84	SW22-5_P2_270	Tpp80Aa	88.043	368	0	682

85	LWX5-6_P3_52	Cry4Aa1	81.092	1190	0	1970
86	LWX5-6_P2_156	Cry70Bb1	98.393	809	0	1643
87	LWX5-6_P3_78	Cry68Aa1	92.943	836	0	1568
88	LWX5-6_P3_65	Cry54Ab1	99.293	707	0	1439
89	LWX5-6_P3_72	Cry30Fa1	83.792	691	0	1176
90	LWX5-6_P3_89	Cyt1Da1	99.016	508	0	1008
91	LWX5-6_P3_57	Cry4Ca2	78.521	568	0	922
92	LWX5-6_P3_73	Cry4Ca2	77.738	557	0	890
93	LWX5-6_Chr_382	Spp1Aa1	79.96	504	0	847
94	LWX5-6_P3_66	Cry4Ca2	67.892	517	0	716
95	LWX5-6_P3_88	Cyt2Aa1	98.456	259	0	519
96	LWX5-6_P3_56	Cry53Ab1	42.756	704	4.38E-143	428
97	LWX5-6_P2_268	Vip3Ad1	28.707	735	6.29E-73	252
98	HSL9-1_P3_10	Cry4Ba1	38.087	1171	0	756
99	HSL9-1_P1_37	Cry4Ba1	40.808	1164	0	805
100	HSL9-1_P1_79	Cry4Ba1	36.084	1042	0	575
101	HSL9-1_P1_161	Cry20Ba2	67.673	795	0	1050
102	HSL9-1_P1_150	Tpp36Aa1	37.885	520	1.02E-85	269
103	HSL9-1_P1_33	Tpp36Aa1	37.885	520	1.02E-85	269
104	HSL9-1_P3_9	Tpp36Aa1	35.328	518	2.37E-79	253
105	HSL9-1_Chr_5025	Spp1Aa1	80.08	502	0	845
106	L263-5_N3_493	CP4-EPSPS	28.899	436	1.51E-27	117
107	H118-2_N10_116	CP4-EPSPS	28.507	442	1.28E-24	109
108	L28-5_N6_138	CP4-EPSPS	28.507	442	1.21E-24	109
109	H514-5_N1_647	CP4-EPSPS	28.111	434	6.96E-26	112
110	A4-4_N1_152	CP4-EPSPS	25.455	440	3.43E-05	50.1
111	H514-5_N7_132	CP4-EPSPS	25.397	441	6.07E-06	52.4
112	L263-5_N4_518	CP4-EPSPS	24.943	441	3.81E-05	49.7
113	BT521_N1_309	GAT	57.823	147	6.74E-61	187
114	DT12C_N8_24	GAT	50.345	145	3.87E-48	155
115	GH15-4_N7_168	GAT	48.966	145	2.95E-48	155
116	GH19-4_N10_22	GAT	51.034	145	6.56E-50	159
117	GH24-4_N6_22	GAT	52.414	145	2.77E-50	160
118	GH2-5_N6_22	GAT	51.724	145	1.83E-50	161
119	GH26-5_N6_23	GAT	52.414	145	7.53E-53	167
120	GH30-3_N13_23	GAT	52.414	145	9.37E-53	167

121	GH33-3_N12_23	GAT	49.655	145	3.71E-48	155
122	GH35-1_N12_100	GAT	52.414	145	8.04E-53	167
123	HS91_N3_241	BlpR	30.061	163	2.33E-24	97.1
124	HX19_N5_170	BlpR	30.061	163	2.62E-24	96.7
125	L263-5_N1_315	BlpR	30.189	159	5.87E-16	75.5
126	GH19-4_N2_290	BlpR	30.247	162	1.87E-23	94.4
127	H108-4_N9_164	BlpR	30.247	162	3.49E-25	99
128	H119-4_N25_31	BlpR	30.247	162	6.10E-25	98.2
129	H120-3_N18_50	BlpR	30.247	162	4.14E-25	99
130	H529-3_N1_1731	BlpR	30.247	162	1.77E-23	94.7
131	FX68	Vip3Aa	95.940	155	4.52E-16	75.1