



APPENDICES

ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่

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APPENDIX A

Preparation of reagents and buffers

Agarose loading buffer:

Bromophenol Blue	0.0625 g
Xylencyanol	0.0625 g
Glycerol	7.5 ml
Water added to	25 ml

Ampicillin (10 mg/ml):

Ampicillin powder	2 g
Sterile, distilled water filtrate with 0.45 µl filter	40 ml

APS solution (10% w /v):

Ammoniumpersulfat	5 g
Water added to	50 ml

Digestion buffer:

2M Nacl (116.9 mg/ml)	25.0 ml
1M Tris pH 8.0 (121.1 mg/ml)	25.0 ml
0.5M EDTA (186.1 mg/ml)	2.0 ml

Adjust the volume to 0.5 liter with distilled water

EDTA (0.5 M):

EDTA ($\text{Na}_2 \cdot 2\text{H}_2\text{O}$)	186.1 g
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Adjust pH to 8.0 with NaOH

Adjust the volume to 1 liter with distilled water

LB- agar media:

Sodium chloride	8 g
Pepton	8 g

Yeast extracts	4 g
Agar-Agar	12 g
Sodium hydroxide (40.0 mg/ml)	480 μ l
Water added to	800 ml

LB-broth media:

Sodium chloride	8 g
Pepton	8 g
Yeast extracts	4 g
Sodium hydroxide (40.0 mg/ml)	480 μ l
Water added to	800 ml

1X TBE buffer:

Tris	108.0 g
Boric acid	55.0 g
EDTA (0.5 M)	40.0 ml
Adjust the volume to 1 liter with distilled water	

1x TE buffer:

1M Tris pH 8.0 (121.1 mg/ml)	10.0 ml
0.5M EDTA (186.1 mg/ml)	2.0 ml
Adjust the volume to 1 liter with distilled water	

10X TBE

890 mM Tris-Base	
890 mM Boric Acid	
20 mM EDTA	
Adjust the volume to 1 liter with distilled water	

Tris (pH 8.0)

Tris base	121.0 g
Adjust the volume to 1 liter with distilled water	

APPENDIX B

Genotype Data

Pig ID	SNP1 (C/T)	SNP2 (C/A)	SNP3 (G/A)	SNP4 (C/T)	SNP5 (G/A)	SNP6 (C/T)	SNP7 (G/A)	SNP8 (G/A)	SNP9 (G/A)	SNP10 (C/T)
D015094	TT	CC	GA	CC	GA	TT	AA	AA	AA	CC
D015096	TT	AA	GG	TT	AA	TT	GA	GG	GG	CC
D015097	TT	CC	GG	CT	GA	CC	GG	GG	AA	CC
D015099	CC	CC	AA	CT	GA	CC	GG	GG	GG	CC
D015100	CC	AA	AA	CT	AA	CC	AA	GG	GG	CC
D015102	TT	CC	AA	TT	GG	TT	AA	GG	GG	CC
D015106	CC	CC	AA	CT	GA	TT	GG	AA	AA	CC
D015111	TT	CC	GA	CC	GG	CC	GG	GG	GG	CC
D015112	na	CC	AA	CT	AA	CT	AA	AA	AA	CC
D015114	TT	AA	AA	CT	GA	CC	GG	GG	GG	TT
D015115	TT	CA	GG	CT	AA	CT	AA	AA	GG	TT
D015117	CT	CA	AA	CT	AA	CT	GG	AA	AA	CT
D015118	CC	CC	AA	CT	AA	CC	AA	GG	GG	CC
D015126	TT	CC	AA	CT	AA	CC	AA	AA	GG	CC
D015130	CC	CC	GA	TT	AA	TT	GA	GG	GG	CC
D026081	TT	CC	GG	TT	AA	TT	GA	GG	AA	CC
D026082	TT	CC	GG	CC	AA	TT	AA	GA	GA	CC
D026083	TT	CC	GG	TT	AA	TT	GG	GG	GG	CC
D026088	TT	CC	GG	TT	AA	CC	GA	GG	GG	CC
D026091	CT	CC	GA	TT	AA	CC	AA	GG	GG	CC
D026096	TT	CA	AA	TT	GG	TT	GA	GA	AA	TT
D026098	CC	AA	AA	TT	AA	CC	GA	GG	AA	CC
D026099	TT	CA	AA	na	AA	TT	GA	AA	GG	TT
D026102	na	CA	AA	CT	AA	TT	AA	GA	AA	TT
D026105	TT	CC	AA	CC	GG	TT	GG	GG	GG	CC
D026107	TT	CA	AA	na	GG	CT	GA	AA	GG	CT
D027085	CC	CC	AA	CT	GA	TT	AA	GG	AA	CC
D027086	TT	CC	AA	CT	AA	TT	GG	GG	AA	CC
D027087	CC	CC	AA	CT	GA	CC	AA	GG	GG	CC
D027092	CT	CA	AA	CT	AA	CT	AA	AA	GG	CT
D027093	TT	CC	AA	CC	AA	CC	AA	AA	GG	TT
D027100	CT	CA	AA	CT	AA	CT	GG	GA	AA	CT
D036077	TT	CA	GG	CT	GA	CC	AA	AA	GG	CC
D036101	CT	CA	AA	CT	GA	CT	GA	GA	GA	CC
D036104	CT	CA	AA	CT	AA	CT	GA	AA	AA	CC
D036105	CT	CA	AA	na	AA	CT	GG	GA	GG	TT
D047032	TT	CA	GA	CT	GG	TT	GG	GG	GG	na
D047035	TT	AA	GG	TT	GG	TT	AA	GA	AA	CT

Fig ID	SNP1 (C/T)	SNP2 (C/A)	SNP3 (G/A)	SNP4 (C/T)	SNP5 (G/A)	SNP6 (C/T)	SNP7 (G/A)	SNP8 (G/A)	SNP9 (G/A)	SNP10 (C/T)
D047036	TT	AA	AA	CT	GG	CC	AA	GG	AA	TT
D047040	TT	CC	AA	TT	AA	CC	GG	GG	GG	CC
D047043	CT	CA	AA	CT	GA	na	GG	AA	GG	CT
D047044	TT	CA	AA	CC	GG	CT	GG	AA	GG	TT
D047045	CT	CA	AA	na	GG	CT	GG	AA	AA	CT
D047050	CT	CA	AA	CT	GA	TT	GG	AA	GG	CT
D048049	TT	AA	GG	CT	GA	TT	GG	GG	GA	TT
D048050	CC	CC	GG	TT	GG	TT	GG	GA	GA	CC
D048055	TT	CA	GA	CT	GA	TT	GA	AA	GA	CC
D048057	TT	AA	GG	TT	na	CT	GG	AA	GG	CT
D048060	CT	CA	AA	CT	AA	CT	GG	GA	GG	CT
D048063	CT	CA	AA	CT	AA	CT	GA	GA	GG	CT
D048070	CT	CA	GA	CC	GG	TT	GG	GA	GG	CC
D048072	CT	CA	GA	CT	GA	CT	GG	GG	GA	CC
D048073	na	CA	GG	na	GG	CT	GG	GA	GG	CT
D048075	CT	CA	AA	CT	GA	CT	GG	GA	GG	CT
D048076	CT	CA	AA	CT	AA	na	GA	GA	GG	CT
D048079	TT	CA	AA	TT	AA	TT	GA	GA	GG	CC
D048080	CT	CA	GG	CT	GG	CT	GA	GA	GG	CT
D048082	CT	AA	GA	CT	GG	CT	AA	AA	na	CT
D048085	CT	CC	GG	CT	AA	TT	GG	GG	na	CT
D048086	na	AA	GG	CT	GG	CT	AA	GG	na	na
D048093	na	AA	GG	CT	AA	CT	GG	GG	na	na
D048104	TT	CA	GG	CT	GA	TT	GG	GA	GG	CC
D049032	TT	AA	AA	TT	AA	TT	GG	GG	AA	TT
D049035	CC	CA	AA	TT	GG	TT	GG	GG	GA	TT
D049039	CC	CC	AA	CC	GG	TT	GA	GG	GA	TT
D049041	TT	AA	GG	CC	GG	TT	AA	GA	GG	CT
D049043	CT	CA	GA	TT	GA	CT	GG	AA	GG	TT
D049045	TT	AA	AA	TT	AA	CC	AA	GG	AA	CC
D049049	TT	AA	GG	CT	AA	TT	GG	GG	AA	TT
D049051	CT	AA	GG	TT	AA	TT	GA	GG	GG	CC
D049053	TT	AA	GG	CT	AA	TT	GG	GG	AA	CC
D049055	CC	CC	AA	TT	AA	TT	GA	AA	AA	TT
D049059	CC	AA	GA	CT	AA	TT	GA	GG	AA	TT
D049060	CT	CA	GG	CT	AA	CT	AA	GA	AA	CT
D049061	CT	CA	AA	CT	AA	CT	AA	GA	GG	CT
D049065	TT	AA	GA	TT	AA	TT	GA	GA	GA	CC
D049069	CT	CA	AA	CT	AA	CT	GA	GA	AA	CT
D049072	CT	CA	GG	na	GG	CT	GG	GA	AA	CT
D049075	na	CA	AA	na	GA	na	na	GG	GG	na
D049076	CT	CA	GG	na	GG	na	na	AA	GG	CT
D049077	TT	AA	GG	TT	AA	TT	GA	GG	GG	CC

Fig ID	SNP1 (C/T)	SNP2 (C/A)	SNP3 (G/A)	SNP4 (C/T)	SNP5 (G/A)	SNP6 (C/T)	SNP7 (G/A)	SNP8 (G/A)	SNP9 (G/A)	SNP10 (C/T)
D049082	CT	CA	GA	CT	AA	CT	GG	GG	AA	CT
D049084	TT	CA	AA	CT	AA	TT	GA	GA	GG	CT
D049085	CT	CA	AA	CT	GA	CT	na	AA	GG	na
D049086	CT	CA	GG	CC	AA	CT	GA	GA	GG	CC
D050030	TT	CA	AA	CT	AA	CC	AA	AA	GG	CC
D050037	TT	AA	GG	TT	AA	TT	AA	GG	GG	CC
D050038	CC	CC	GA	CT	AA	TT	GA	GG	AA	CC
D1004002	CT	CA	AA	CT	GA	CT	AA	GA	AA	CT
D1004003	CT	CA	GA	CT	GA	CT	GA	GA	GG	CT
D1004004	CT	CA	GA	CT	GA	CT	GA	GA	AA	CT
D1004005	CT	CA	AA	CT	AA	CT	AA	GA	GG	CT
D1004007	na	CA	AA	CT	GA	TT	GG	AA	GG	CT
D1004008	CT	CA	AA	TT	AA	TT	GA	AA	GG	CT
D1004009	CT	CA	AA	na	AA	CT	GG	GA	AA	CT
D1004018	CT	CA	AA	CT	GA	CT	na	GA	GA	CT
D1004024	TT	CC	AA	CT	GA	TT	GG	GG	AA	CT
D1004025	TT	AA	GG	CT	AA	TT	GA	GG	GA	CC
D1004026	TT	AA	AA	CT	AA	CT	AA	AA	AA	TT
D1004027	CC	AA	GG	CT	AA	TT	GG	GG	GG	CT
D1004028	CT	CC	GA	CT	GA	TT	GG	AA	GA	CT
D1004029	CT	AA	AA	TT	GA	CT	GA	GG	GG	CT
D1006002	CT	CA	AA	CT	AA	CT	GG	GA	AA	CT
D1006003	CT	CA	AA	TT	AA	TT	AA	GA	GG	TT
D1006004	CT	CA	AA	TT	AA	CC	AA	AA	GG	na
D1006006	CT	AA	GG	CT	AA	CC	GA	GA	GG	CC
D1006007	na	CA	AA	CT	GA	CT	AA	GA	GG	na
D1006008	CT	CA	AA	CT	GA	CT	AA	AA	GG	CT
D1006009	CT	CA	GA	CT	AA	CT	AA	GG	AA	CT
D1006010	CT	CA	AA	CT	AA	CT	AA	GA	GG	CT
D1006013	CT	AA	AA	CT	AA	CC	GG	GG	GG	CC
D1006014	CC	CA	GG	CC	AA	CC	GG	GG	GG	CC
D1006017	CT	CA	GA	CT	AA	CT	GA	GA	AA	CT
D1006021	TT	CC	AA	CT	GA	CC	AA	GG	GG	CC
D1007004	TT	CA	AA	TT	AA	TT	AA	AA	AA	CC
D1007005	CT	CA	AA	CT	AA	CT	AA	AA	GA	CT
D1007010	CT	CA	AA	TT	AA	TT	AA	AA	AA	CT
D1007012	TT	CA	AA	CT	GA	CC	AA	AA	GG	CC
D1007015	CT	CA	GA	CT	GG	CT	GA	AA	AA	CT

Fig ID	SNP1 (C/T)	SNP2 (C/A)	SNP3 (G/A)	SNP4 (C/T)	SNP5 (G/A)	SNP6 (C/T)	SNP7 (G/A)	SNP8 (G/A)	SNP9 (G/A)	SNP10 (C/T)
D1007016	CT	CA	GG	CT	GA	CT	GA	GA	GG	CT
D1007017	CT	CC	GG	TT	GG	CC	GG	GG	GG	CC
D1007019	CT	CA	AA	CT	AA	CT	GG	GA	GG	CT
D1007020	CT	CA	AA	CT	GG	CT	GA	AA	GG	CT
D1007023	CC	AA	GG	CT	GA	TT	GG	GA	GA	CC
D1007024	CT	CC	AA	CT	AA	TT	GG	GG	GG	CC
D1007025	CT	CA	AA	CT	GG	TT	GG	AA	GG	CT
D1007026	CC	CA	AA	TT	AA	TT	GG	AA	AA	CC
D1007027	CT	CA	GG	TT	GG	CT	GG	AA	AA	na
D1007029	CT	AA	GA	TT	GA	TT	AA	GA	AA	CT
D1007030	CT	CC	GG	CT	AA	CT	GG	GG	AA	na
D1007031	TT	CA	GA	CT	GA	TT	GA	GG	AA	na
D1025009	CC	CC	GG	CT	GG	TT	GG	GG	GG	CC
D1025010	TT	CA	GG	CC	GG	CC	GG	GG	AA	CT
D1025011	CT	AA	GG	CT	AA	CT	GG	AA	GA	CT
D1025012	CC	CC	AA	CT	GA	TT	GG	GG	GG	CC
D1025013	TT	CA	AA	CT	GG	TT	GG	AA	AA	CT
D1025014	CT	CC	AA	CT	GG	TT	GA	AA	AA	TT
D1025021	TT	CA	GG	CT	AA	TT	GG	AA	AA	CT
D1026012	TT	CC	AA	CT	AA	TT	GG	GA	GG	CC
D1026013	na	CA	GG	CT	GG	na	GA	AA	GG	CT
D1026014	TT	AA	GG	CT	GG	CC	GG	GG	GG	CT
D1026015	TT	AA	GG	TT	AA	TT	GA	GG	GA	CC
D1026016	TT	AA	GA	CC	GG	TT	GG	na	GA	na
D1026017	CT	CC	GG	CT	AA	CT	GG	GG	AA	TT
D1026019	TT	CC	GG	CC	GG	CC	GG	AA	GG	CC
D1027014	CT	AA	GG	CT	GG	CT	GG	AA	GA	CT
D1027016	CT	AA	GG	TT	GG	TT	GA	AA	GG	CC
D1027017	CT	CC	GG	TT	GG	TT	GG	AA	GA	CT
D1027019	CT	AA	GG	CT	AA	TT	AA	AA	GA	CT
D1028016	TT	CC	GG	TT	GG	TT	GG	GG	GA	CC
D1028022	CT	CC	GG	CC	GG	CC	GA	GA	na	CT
D1053001	TT	AA	AA	CT	GG	TT	na	GG	GG	CC
D1053002	TT	AA	GG	CT	GG	TT	GA	GG	GG	CC
D1053003	TT	AA	GG	CT	GG	TT	GA	AA	na	CC
D1053004	TT	AA	AA	CT	GA	TT	GA	GG	AA	CC
D1053006	CC	CC	GG	TT	AA	TT	GA	AA	GG	CC
D1053007	TT	CC	GA	TT	na	CT	GA	GA	GA	TT

Fig ID	SNP1 (C/T)	SNP2 (C/A)	SNP3 (G/A)	SNP4 (C/T)	SNP5 (G/A)	SNP6 (C/T)	SNP7 (G/A)	SNP8 (G/A)	SNP9 (G/A)	SNP10 (C/T)
D1053008	CT	na	GA	CT	GA	CT	AA	na	GG	CT
D375023	CT	CA	AA	CT	AA	CT	AA	GA	GG	CT
D375025	CT	CA	AA	na	AA	na	AA	AA	GA	CT
D375029	CT	CA	AA	CT	AA	CT	GG	GA	AA	CT
D375030	CT	CA	AA	CT	AA	CT	AA	AA	GG	CT
D375031	TT	CA	AA	CC	AA	CC	AA	GA	GA	TT
D391014	CC	CC	AA	CC	GG	TT	AA	GG	GA	TT
D391015	TT	AA	AA	TT	AA	TT	GA	GA	AA	CC
D391016	CC	CC	GG	TT	GG	TT	AA	AA	AA	CC
D391017	CT	CA	AA	CT	GG	CT	AA	AA	AA	CT
D391018	CT	CA	AA	na	GG	na	GG	AA	GG	CT
D391023	CT	CA	AA	CT	GG	CT	GA	GA	GA	TT
D391024	TT	AA	AA	CC	GG	TT	GA	GG	GA	CT
D391025	CC	AA	AA	CT	AA	TT	GG	AA	AA	CC
D391030	TT	CA	GG	TT	GG	TT	GA	AA	GG	CC
D391031	TT	CA	GG	CT	GG	TT	GA	AA	GA	CC
D391032	TT	AA	GG	TT	GG	CT	GG	GA	GA	TT
D391033	CT	CA	AA	CT	GA	CT	GA	GA	GA	CT
D391045	na	CA	GG	na	GG	CT	AA	GA	GG	CT
D391046	CT	CA	GA	na	GG	CT	AA	GA	na	CT
D391047	CT	CA	GG	CT	GG	CT	GA	GA	GG	CT
D391048	CT	CA	GA	na	AA	na	GA	GA	GG	CT
D391053	CT	CA	GA	CT	GG	CT	GA	GA	GG	CT
D391054	CT	CA	GG	CT	GG	CT	GA	GA	GG	na
D391055	na	CA	GA	CT	GG	CT	AA	GA	GG	na
D391057	CT	CA	GG	CT	AA	TT	GG	GG	GA	CC
D391058	TT	na	GG	CT	GG	TT	GA	na	na	CC
D391059	TT	AA	GG	TT	AA	TT	GA	GA	AA	CT
D391060	TT	AA	AA	CT	GG	TT	GG	GA	GA	CT
D391068	CT	CC	GG	TT	GG	CT	GG	GA	GA	CC
D391071	CT	CC	GG	CT	GG	TT	na	GA	na	CC
D391080	CT	CC	GG	CC	GG	CT	GG	GA	GG	CC
D391082	TT	CA	GA	CC	AA	CT	GG	GA	AA	CT
D391084	CC	CC	GG	CC	GG	CC	GG	GA	GG	CC
D394012	CT	CA	AA	CT	AA	CT	GA	GA	AA	CT
D394016	CT	CA	AA	CT	GA	TT	GG	AA	GG	TT
D394018	CT	CA	AA	CT	AA	TT	AA	GA	AA	CC
D394020	CT	CA	AA	CT	GA	CT	AA	AA	AA	CT
D394023	CT	CA	AA	na	AA	CT	GA	GA	GG	CT
D394024	na	CA	AA	na	AA	CT	GA	GA	GG	CT
D394025	CT	CA	AA	CT	AA	CT	GG	GA	AA	CT
D394026	na	na	GG	na	AA	CT	GA	GA	AA	CT
D394030	CT	CA	GG	CT	AA	TT	GA	GA	GG	CC
D394031	na	CA	GG	CT	AA	CT	GA	GA	AA	CT

Fig ID	SNP1 (C/T)	SNP2 (C/A)	SNP3 (G/A)	SNP4 (C/T)	SNP5 (G/A)	SNP6 (C/T)	SNP7 (G/A)	SNP8 (G/A)	SNP9 (G/A)	SNP10 (C/T)
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D394038	CT	CA	GG	CT	AA	CT	GA	GA	AA	na
D394041	CT	CA	GG	CT	GA	CT	GA	GA	GG	CT
D394044	CT	CA	AA	CT	AA	na	GG	GA	GG	CT
D394045	CT	CA	GG	CT	GG	TT	GA	GA	AA	CC
D394046	na	CA	AA	CT	AA	CT	GG	GA	AA	na
D394049	CT	AA	AA	CC	GG	TT	GG	GA	na	CC
D394059	CT	AA	GG	CT	GG	TT	GG	GG	AA	TT
D394065	TT	CA	GG	CT	AA	TT	GG	GG	GG	CC
D395009	CC	AA	GG	CC	AA	CC	GA	AA	AA	CC
D395012	TT	CA	GG	TT	AA	CT	GA	AA	GG	CT
D395021	CT	CA	AA	CT	AA	CT	GA	GA	AA	CT
D395023	CT	CA	AA	CT	AA	CT	GA	GA	AA	CT
D395025	CT	CA	AA	na	GG	CT	GA	GA	AA	CT
D395031	CT	CA	AA	CT	GA	CT	GG	GA	AA	CT
D395032	CT	CA	AA	CT	AA	CT	GA	GA	AA	CT
D395033	CT	CA	AA	CT	GG	CT	AA	GA	GG	CT
D395034	TT	AA	AA	TT	AA	CC	AA	AA	AA	TT
D395036	CT	CA	AA	CT	AA	CT	GG	AA	AA	CT
D395040	na	CA	AA	CC	GG	TT	GG	AA	GG	TT
D395042	CT	CA	AA	CT	AA	CT	AA	AA	AA	CT
D396017	TT	CA	AA	CT	GG	TT	GA	AA	AA	CC
D396018	CC	AA	AA	CT	AA	TT	GA	GA	GA	CC
D396019	CT	CA	GG	CT	AA	CT	GG	AA	AA	CT
D396021	TT	AA	AA	CT	AA	TT	GA	AA	AA	CC
D396025	CT	CA	AA	CT	GG	CT	GA	GA	GG	CT
D396026	CT	CA	GG	CT	GG	CT	GA	GA	GG	na
D396031	na	CA	AA	na	GA	na	GG	GG	AA	na
D396033	na	CA	AA	na	AA	na	GA	GA	AA	na
D396037	na	CA	AA	CT	AA	CT	GG	GA	AA	CT
D396038	na	CA	GG	na	GA	na	AA	GA	GA	na
D396053	CT	CA	GA	CT	GA	CT	GA	GA	na	CT
D396057	TT	AA	GG	TT	AA	TT	GA	AA	AA	TT
D396060	CT	CA	AA	CT	GG	TT	GG	GG	na	CC
D396062	CT	CC	GG	CT	AA	TT	GG	AA	na	CT
D396065	TT	CC	AA	CT	GA	CC	GA	AA	GG	CC
D396066	TT	CC	GG	CT	GA	TT	GG	GA	GG	CC
D396067	CT	CC	GA	TT	GG	TT	GA	GG	GA	CT
D396068	CC	CA	GG	CT	AA	CC	GA	GG	GG	CC
D396070	CT	AA	GG	CT	AA	CC	GG	GG	GG	TT
D396071	TT	AA	AA	CT	GA	CC	GA	GA	GA	CC
D396072	CT	CC	GG	CT	GG	CC	GG	GG	GA	CC
D396073	TT	CC	AA	TT	AA	CC	GG	AA	GG	CC

Pig ID	SNP1 (C/T)	SNP2 (C/A)	SNP3 (G/A)	SNP4 (C/T)	SNP5 (G/A)	SNP6 (C/T)	SNP7 (G/A)	SNP8 (G/A)	SNP9 (G/A)	SNP10 (C/T)
D396074	CT	AA	GA	CT	GA	TT	AA	GG	GA	CC
D396075	CT	CC	AA	CT	GA	TT	GG	GG	AA	na
D396079	CT	CA	GG	CT	AA	TT	GG	GG	GG	CC
D397027	TT	CA	GA	CT	GG	TT	GG	AA	GA	CC
D397028	TT	CC	GG	CT	GA	TT	GA	AA	GG	CC
D397031	TT	CA	AA	CT	GA	TT	GA	AA	AA	CC
D397033	TT	CA	AA	CT	AA	TT	GG	GA	GG	CC
D397035	TT	CA	GG	CT	GA	TT	GA	GA	GA	CC
D413002	TT	AA	AA	TT	na	CC	GG	AA	AA	CC
D413004	TT	CC	AA	CT	GA	TT	AA	AA	AA	CC
D413007	TT	CA	GA	CT	GA	TT	GA	GA	GA	CC
D413011	na	CA	AA	CT	GA	CT	GG	AA	AA	CT
D413013	CC	CC	AA	TT	AA	CC	GA	GG	GG	CC
D413014	TT	CC	AA	TT	GG	CC	AA	GG	AA	CC
D413016	CC	CA	AA	CT	GG	CC	GG	AA	GA	CC
D413018	na	CA	AA	na	GA	na	AA	GA	GG	na
D413031	TT	CC	GA	TT	GA	TT	AA	GA	GG	CC
D413038	CT	CA	GG	CT	AA	CT	GA	GA	AA	CT
D414001	na	CA	AA	CT	GA	CT	AA	GA	AA	CT
D414002	CT	CA	AA	CT	GA	CT	GA	GA	AA	CT
D414003	CC	AA	AA	CT	AA	CC	GG	GA	GG	CT
D414006	CT	CA	AA	CT	na	na	na	GA	na	CT
D414007	CT	CA	AA	na	AA	CT	AA	AA	AA	CT
D414009	CC	AA	GA	TT	AA	TT	GG	AA	AA	CC
D414011	CT	CA	AA	CT	AA	CT	AA	AA	AA	CT
D414012	TT	CC	AA	CT	AA	TT	AA	AA	GG	CC
D414013	CC	CC	AA	CC	GG	TT	AA	AA	AA	CC
D414018	CC	CC	GA	CC	GA	CC	AA	GA	GG	CC
D414027	CT	CA	AA	CT	GG	CT	GG	GA	GG	CT
D414028	na	CA	GG	na	GA	na	GG	GA	GG	CT

SNP 1 = *MGP*:C3817T, SNP2 = *MGP*:C1185A, SNP3 = *MMP3*:C158T,

SNP4 = *COL2A*:C81T, SNP5 = *COL2A1*:G156A, SNP6 = *TGFβ1*:A797G,

SNP7 = *COL10A1*:G103A, SNP8 = *MGP*:C1124T, SNP9 = *TGFβ1-B*,

SNP10 = *TGFβ1-C*, na = not available

CURRICULUM VITAE

NAME: Miss Noppawan Rangkasenee
DATE OF BIRTH: September 12, 1983
PLACE OF BIRTH: Bangkok, Thailand
NATIONALITY: Thai
HOME ADDRESS: 60 M.6 Hauysai, Sankumpheang, Chiang Mai, 50130

INSTITUTIONS ATTENDED:

1990-1995 Primary School (Ban-Sankumpheang School, Chiang Mai, Thailand)
1996-1998 Middle School (Wattanothai Payap School, Chiang Mai, Thailand)
1999-2001 High School (Wattanothai Payap School, Chiang Mai, Thailand)
2002-2005 Bachelor of Science, Department of Animal Science,
Agricultural Faculty, Chiang Mai University, GPA: 3.17
2008 Master of Science, Department of Animal Science, Agricultural
Faculty, Chiang Mai University, GPA: 4.00

EXPERIENCES:

March, 2006 Research work in topic “An Evaluation of Feed and Nutrient
Digestibility of Asian Tapir (*Tapirus indicus*) Diet at Chiang
Mai Zoo”
October, 2007 Research Work for Master Thesis at the Institute of Animal
- May, 2008 Science (Animal Breeding and Husbandry Group), Rheinische
Friedrich-Wilhelms-University of Bonn, Germany

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