

haplotype 1

E2+intron

D1

D2

D3

D4

D5

D6

E2+intron

D1

D2

D3

haplotype 2

GTAC	TA	CATTTCT	TCTTC	---	AAAT	T	CTATTCT	CT	CT	TCCTTC	CT	T	CA	TG	CT	-	AGGTTACTCCGTGACTACCCAGAGAT	CC
GTAC	CG	CATTTCT	TCTTC	---	AAAT	C	CTATTCT	CT	CT	TCCTTC	TAT	CC	T	-	CCCA	AGGTTACTCCGTGACTACCCAGAGAT	CC	
GTAC	CG	CATTTCT	TCTTC	TCT	AAAT	C	CTATTCT	AT	CT	TCCTTC	CT	T	CC	T	CT	CA	AGGTTACTCCGTGACTACCCAGAGAT	CC
GTAC	CG	CATTTCT	TCTTC	TCT	AAAT	C	CTATTCT	AT	CT	TCCTTC	TAT	CA	T	-	CCCG	AGGTTACTCCGTGACTACCCAGAGAT	CC	
GTAC	CG	CATTTCT	TCTTC	TCT	AAAT	C	CTATTCT	AT	CT	TCCTTC	TAT	CA	T	-	CCCG	AGGTTACTCCGTGACTACCCAGAGAT	CC	
GTAC	CG	CATTTCT	TCTTC	TCT	AAAT	C	CTATTCT	AT	CT	TCCTTC	TAT	CA	T	-	CCCG	AGGTTACTCCGTGACTACCCAGAGAT	CC	
GTAC	CG	CATTTCT	TCTTC	---	AAAT	GT	TATTCT	CT	CC	TCCTTC	AT	T	CC	T	---	AGGTTACTCCGTGACTACCCAGAGAT	AC	
GTAC	CA	CATTTCT	TCTTC	TCT	AAAT	C	CTATTCT	CT	CT	TCCTTC	AT	T	CA	T	CCCA	AGGTTACTCCGTGACTACCCAGAGAT	CC	
GTAC	CA	CATTTCT	TCTTC	TCT	AAAT	C	CTATTCT	CT	CT	TCCTTC	AT	T	CA	T	CCCA	AGGTTACTCCGTGACTACCCAGAGAT	CC	
GTAC	CG	CATTTCT	CTCG	TCT	AAAT	C	CTATTCT	CT	CT	TCCTTC	AT	T	G	-	-	CCCA	AGGTTACTCCGTGACTACCCAGAGAT	CC
GTAC	CG	CATTTCT	TCTTC	---	AAAT	GT	TATTCT	CT	CC	TCCTTC	AT	T	CC	T	---	AGGTTACTCCGTGACTACCCAGAGAT	AC	

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AACAG	AAA	TGG	CC	C	CAG	CTG	AAACACCTC	AC	AGAT	TGAG	GA	-----	GGT	TAC	GAAA	AGTGT	T	TAC	C	TCATGAAC	CT	GGCCAC	
AACAG	AAG	TGG	CT	C	CAG	CTG	AAACACCTC	ACT	TGAC	CGAG	GAT	TCCGGA	GGT	TAC	CAAC	CAGTGT	CT	ACT	T	TCATGAAC	CT	GTTGCT	
AACAA	AAG	TGA	CC	T	CAG	CTG	AAACACCTC	AC	AGAC	CGAG	GA	-----	GGT	TAC	CAAC	CAGTGT	A	TAC	C	TCATGAAC	CT	GTTGCT	
AACAG	AAG	TGG	CCC	C	CAG	CTG	AAACACCTC	AC	AGAT	TGAG	GA	-----	GGT	CAC	CAAG	AGTGT	CT	ACC	C	TCATGAAC	CT	CTTACT	
AACAG	AAG	TGG	CCC	C	CAG	CTG	AAACACCTC	AC	AGAT	TGAG	GA	-----	GGT	CAC	CAAG	AGTGT	CT	ACC	C	TCATGAAC	CT	CTTACT	
AACAG	AAG	TGG	CCC	C	CAG	CTG	AAACACCTC	AC	AGAT	TGAG	GA	-----	GGT	CAC	CAAG	AGTGT	CT	ACC	C	TCATGAAC	CT	CTTACT	
AACAA	AAG	TGG	CCC	C	CAG	T	TGAGG	CACCTC	G	C	GAT	TGAG	GA	-----	-	GGT	ACC	GAC	AGTGT	CT	ACC	CT	CTTACT
AACAG	AAG	TGG	CCC	C	CAG	CTG	AAACACCTC	AC	AGAC	CGAA	AGA	-----	GGT	TAC	GAAA	AGTGT	CT	ACC	C	TCATGAAC	CT	CGCCAC	
AACAG	AAG	TGG	CC	T	CAG	CTG	AAACACCTC	AC	AGAT	TGAA	AGA	-----	GGT	TAC	CAAC	CAGTGT	CT	ACC	C	TCATGAAC	T	TGTTACT	
AACAG	AAG	TGG	CC	T	CAG	CTG	AAACACCTC	AC	AGAT	TGAA	AGA	-----	GGT	TAC	CAAC	CAGTGT	CT	ACC	C	TCATGAAC	T	TGTTACT	
AACAA	AAG	TGG	CCC	C	CAG	T	TGAGG	CACCTC	G	C	GAC	-----	GGT	TAC	GAC	AGTGT	CT	ACC	C	TCATGAAC	CT	TGCTACT	

haplotype 2