

10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180

BSH75\_L225 GGCCGCGGGTTGCCGCCGTATCCGGTTGTCCAAAGCATGCGTACCTGTTCCAAAGGTCGTCCCGCTTTGTGGGCCCCCCGGGGCGTATCGGCCAGGGATGGGATCCCCTGTCCAGCCCCCTCCCCCGCTTTGGTACCGGCCACCCCCCGTGCCTTCCTCGCGAACCCGGGGAGAACA

BSH75\_banu .....T.....

BSH74\_nur .....T.....

BSH74\_shz .....T.....

BSH74\_sol .....T.....

NEP73\_175 .....T...C.....T.T.C.....CT.....G...T.....C.....A...G

UNK47\_hig .....C.....T.T.C.....CT.....G...T.....C.....T.....G...C.....G

GER\_hdlg .....C.....T.T.C.....CT.....G...T.....A.....C.....C.....G

SAF65\_102 .....C.....T.T.C.....CT.....T...G...A.T.A.....G.....T...T.....T.C.....G

SAF65\_103 .....C.....T.T.C.....CT.....T...G...A.T.A.....G.....T...T.....T.C.....G

BOT72\_143 .....C.....T.T.C.....CT.....T...G...A.T.A.....A.....G.....T...T.....T.C.....G

BOT73\_225 .....C.....T.T.C.....CT.....T...G...A.T.A.....A.....G.....T...T.....T.C.....G

SOM77\_1252 .....T...C...A.....TG.T.C.....A...CT...T...T...G...A.T.....T.....A...CT.....T...A...G

SOM77\_1605 .....T...C...A.....TG.T.C.....A...CT...T...T...G...A.T.....T.....A...CT.....T...A...G

SOM77\_ali .....T...C...A.....TG.T.C.....A...CT...T...T...G...A.T.....T.....A...CT.....T...A...G

ETH72\_16 .....T...C.....TG.T.C.....CT...T...T...G...A.T.....C.....C.....G

ETH72\_17 .....T...C.....TG.T.C.....CT...T...T...G...A.T.....C.....C.....G

SUD47\_jub .....C.....TG.T.C.....CT...T...T...G...A.T.....C.....C.....G

SUD47\_rum .....C.....TG.T.C.....CT...T...T...G...A.T.....C.....C.....G

TAN65\_kem .....T...CA.....T.T.C.....CT...A.T...G...A.T.....A.....C.....C.....G

CNG70\_46 .....T...CA.....T.T.C.....CT...A.T...G...A.T...A.....TG

CNG70\_227 .....T...CA.....T.T.C.....CT...A.T...G...A.T...A.....TG

IND67\_mah A.....T...CCAT.T.C.....CT...A...G...T...G.....T.....C.....C.....G.C.G

IND53\_mad .....C.....A.....T.T.C.....CT...TT...G...T.....C.....C.....G

SUM70\_222 .....A...C.....T.T.A.C.....CT...A...G...T...T.....T.....A.....C.....A...G

SUM70\_228 .....A...C.....T.T.A.C.....CT...A...G...T...T.....T.....A.....C.....A...G

IND64\_ve14 .....C.....A...T.T.C.....CT...T...A...A.G...T.....T.....A.....C.....A...G

IND64\_ve15 .....C.....A...T.T.C.....CT...T...A...A.G...T.....T.....A.....C.....A...G

AFG70\_vlt4 .....C.....A...T.T.C.....CT...T...A...A.G...T.....T.....A.....C.....A...G

IRN72\_tbrz .....C.....A...T.T.C.....CT...T...A...A.G...T.....T.....A.....C.....A...G

KUW67\_1629 .....C.....A...T.T.C.....CT...T...A...A.G...T.....T.....A.....C.....A...G

PAK69\_lah .....C.....A...T.T.C.....CT...T...A...A.G...T.....T.....A.....C.....A...G

SYR72\_119 .....C.....A...T.T.C.....CT...T...A...A.G...T.....T.....A.....C.....A...G

YUG72\_164 .....C.....A...T.T.C.....CT...T...A...A.G...T.....T.....A.....C.....A...G

UNK46\_harv .....A...C.....T.T.C.C.A.....CT...A...G...T...C.....A.....T.....CC.....G

UNK46\_hind .....C.....T.T.C.....CT...A...A...G...A.T.....A.....A.....T.C.....G

JAP46\_yam .....A...A...C.....T.T.C.....T.CT...G...T.T...G...G.C.....T.....C.C.....A...G

JAP51\_hrpr .....A...A...C.....T.T.C.....T.CT...G...A.T.T...G...G.C.....T.....C.C.....A...G

JAP51\_stw1 .....A...A...C.....T.T.C.....T.CT...T...G...A.T.T...G...G.C.....T.....C.C.....A...G

KOR47\_lee .....T...C.....T...T.C.....CT...G...T...G...AC.....T.....A.....C.C.....A...G

CHN48\_horn .....T.A.....C.....A.....T.T.C.....CT...G...T...G...C.....T.....C.C.....G

BEN68\_59 .....C.G...A.GC...C...T.C...G.T...C...T.T.CT.T.T...CCCTC...AT...CGCA...T.A.GC...G.TT...C.GA.A.T...TT...C.GA...AT...CA...C.CT.TAC.T...G.G

NIG69\_001 .....C.G...A.GC...C...T.C...G.T...C...T.T.CT.T.T...CCCTC...AT...CGCA...T.A.GC...G.TT...C.GA.A.T...TT...C.GA...AT...T...CA...C.CT.TAC...G.G

GUI69\_005 .....C.G...A.GC...A.C...TGC...G.T...C...T.T.CT.T.T...CCCTC...AT...A...CGCA...T.A.GC...G.TT...C.GA.ATT...TT...C.GA...AT...CA...C.CT.TAC...G.G

SLN68\_258 .....C.G...A.GC...A.C...T.C...G.T...T.C...T.T.CT.T.T...CCCTC...AT...CGCA...T.A.GC...G.TT...C.GA.A.T...TT...C.GA...AT...CA...C.CT.TAC...G.G

UNK52\_but .....A.TG...G...A.GC...C...TT...G.T...C...T.T.ACT...TT...CCCTC...T...CGC...TT...C.A.G...TT...C.TG.A...T.T.A.C.GA.A...A.G.T.A.C...C.C.AT.C...G

BRZ66\_39 .....T.A.TG...G...A.GC...C...TT...G.T...C...T.T.ACT...TT...CCCTC...T...CGC...TT...C.A.G...TT...C.TG.A...T.T.A.C.GA.A...A.G.T.A.C...C.C.AT.C...G

BRZ66\_gar .....T.A.TG...G...A.GC...C.CTT...G.T...C...T.T.ACTA...T...CCCTC...T...CGC...TT...C.ATG...TT...C.TG.A...T.T.A.CCA.AT...A.G.T.A.C...C.C.AT.C...A...G

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	1270	1280	1290	1300	1310	1320	1330	1340
BSSH75_L225	TGGCTTGCTGCCAGGAGCTGACGCCGGA	ACTCTGACTGTGGAAGTCGTTGCCG	CCGCACCCGACCCGGCCGGCACC	GTTCC	TGCC			
BSSH75_banu								
BSSH74_nur								
BSSH74_shz								
BSSH74_sol								
NEP73_175			A	C				
UNK47_hig			A					
GER_hdlg	A		A				G	
SAF65_102			A			T		T
SAF65_103			A			T		T
BOT72_143			A			T		T
BOT73_225			A			T		T
SOM77_1252	A	A	AA			T	A	TT
SOM77_1605	A	A	AA			T	A	TT
SOM77_ali	A	A	AA			T	A	TT
ETH72_16		T	G	A	T		T	T
ETH72_17		T	G	A	T		T	T
SUD47_jub			A			T		T
SUD47_rum		A	A			T		T
TAN65_kem			AA	C	A			T
CNG70_46			AA	C				A
CNG70_227		T	AA	C				T
IND67_mah	C		AA	A	AC			C
IND53_mad			A	A				
SUM70_222			A	A				
SUM70_228			A	A		T		
IND64_ve14	T		A	A	A	C	A	T
IND64_ve15	T		A	A	A	C		A
AFG70_v1t4	T		A	A	A	C		A
IRN72_tbrz	T		A	A	A	C	T	A
KUW67_1629	T		A	A	A	C		A
PAK69_lah	T		A	A	A	C		A
SYR72_119	T		A	A	A	C		A
YUG72_164	T		A	A	A	C		A
UNK46_harv		A		T	A	A	T	
UNK46_hind			A	A	A		A	T
JAP46_yam			A	A				G
JAP51_hrpr			A	A		T		
JAP51_stw1			A	A		T		
KOR47_lee			A	A				
CHN48_horn			A	A				
BEN68_59	C	TCA	G	AC	TT	A	GTA	A
NIG69_001	C	TC	G	AC	TT	A	GTA	A
GUT69_005	A	C	TCA	G	AC	TT	A	GTA
SLN68_258	C	TCA	G	AC	TT	A	GTA	A
UNK52_but	CC	C	G	AC	T	A	G	A
BRZ66_39	CC	C	G	AC	T	A	G	A
BRZ66_gar	CC	C	G	AC	T	A	G	A

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