

	10	20	30	40	50	60	70	80
ATHA1	CCCACCTC	ACCACT	CCCCAACAAAC	ACCAGTTT	AGCACGGT	ACCCATAAAC	AGCATTAT	CCCCCCCCATGGCCGCCCAAAACAG
ATHA2		T						
ATHA3								
ATHA4			T					
ATHA5				A				
ATHA6						G		
ATHA7				C				
ATHA8					G			
ATHA9			A					
ATHA10								
ATHA11			T					
ATHA12					G			
ATHA13					A	C		
AROC1		T	T	C	A	G	C	TT
AROC2		T	T	CCTA	G	A	C	TT
AROC3		T	T	C	A	G	C	TT
AROC4		T	T	C	A	GT	C	TT
AROC5		T	T	C	A	G	C	TT
AROC6		T	T	C	A	G	C	TT
AROC7		T	T	CCTA	G	A	C	TT
AROC8		T	T	ACCTA	G	A	C	TT
AROC9		T	T	ACCTA	G	A	C	TT
AROC10		T	T	C	A	G	C	TT
AROC11		T	T	C	A	GT	C	TT
AROC12		T	T	C	A	G	C	TT
AROC13		T	T	C	A	GT	C	TT
AROC14		T	T	C	A	GT	C	TT
AROC15		T	T	C	A	G	C	TT
AROC16		T	T	C	TA	G	C	TT
AROC17		T	T	C	A	G	C	TT
AROC18		T	T	C	A	G	C	TT
AROC19		T	T	C	A	G	C	TT
AROC20		T	T	C	A	G	C	TT
AROC21		T	T	C	A	G	C	TT
AROC22		T	T	CCTA	G	A	C	TT
AROC23		T	T	CCTA	G	A	C	TT
AROC24		T	T	CCTA	G	A	C	TT
AROC25		T	T	CCTA	G	A	C	TT
AROC26		T	T	CCTA	G	A	C	TT
AROC27		T	T	CCTA	G	A	C	TT
AROC28		T	T	CCTA	G	A	C	TT
AROC29		T	T	CCTA	G	A	C	TT
AROC30		T	T	CCTA	G	A	C	TT
AROC31		T	T	CCTA	G	A	C	TT

AROC32	-----T.....T..CCTA.G..A.....C.....CG.....TT..C...AT.....A
AROC33	T.....T..C..A.G.....C.....C.....TT..C..T.ATT.....A
AROC34	T.....T..C..A.GT.....C.....C.....TT..C..T.AT.....
AROC35	T.....T..C..A.G.....C.....C.....TT..C.G..AT.....A
AROC36	T.....T..C..A.G.....C.....C.....TT..C.G..AT.....A
SSAR1	TCTTT.....T...CC.TT.A..CT...T.C...G..C.C.GT.....CC..A.AAT..C....
SSAR2	..T...TC.TC.....T.....T...C..TT.A..CT.T.T.C...G..C.C.AT.....CC...AAT..C....
SSAR3	..T...TC.TC.....T.....T...C..TT.A..CT.T.T.C...G..C.C.AT.....CC...AAT..C....
SSAR4	TCTTT.....TA...CC.TT.A..CT...T.C...G..C.C.GT.....CC..A.AAT..C....
SSAR5	TCTTT.....TA...CC.TT.A..CT...C.C...G..C.C.GT.....CC..A.AAT..C....
EALL1	..T..T.....CT...T.T.....TT...A..C..A.ACC.T..CT.....C.....TT.TT..AA..AT..TC..T..
EALL2	-----T.T.....TT...A..C..A.ACC.T..CT.....C.....TT.TT..AA..AT..TC..T..
EALL3	..T..T.....CT...T.T.....TT...A..C..A.ACC...CT.....C.C..T..TT...TCAA..AA..TC.....
KPEL1	...T...CTTCTC.TA.C.....T...ATC..A...T.....
KPEL2	T...T...C.TCTC.T..C.....T...CATC..A...T.....C.....C.AT..T..T..CAAA.AAT..C....
KPEL3	...T...CTTCTC.T..C.....T...CATC..A...T.....C.G.....C.AT..T..T..CAAA.AAT..C....
KPEL4	...T...CTTCTC.T..C.....T...CATC..A...T.....C.....C.AT..T..T..CAAA.AAT..C...A
KPEL5	...T...CTTCTC.T..C.....T...CATC..A...T.....C.....C.AT..T..T..CAAA.AAT..C....
KPEL6	...T...CTTCTC.T..C.....T...CATC..A.A.T.....C.G.....C.AT..T..T..CAAA.AAT..C...A
KPEL7	...T...CTTCTC.T..C.....T...CATC..A...T.....C.G.....C.AT..T..T..CAAA.AAT..C...A
KPEL8	...T...CTTCTC.T..C.....T..T...CATC..A...T.....C.G.....C.AT..T..T..CAAA.AAT..C...A
KPEL9	...T...CTTCTC.T..C.....T...CATC..A...T.....C.G.....C.AT..T...CAAA.AAT..C...A
KPEL10	...T...C.TCTC.T..C.....T...CATC..A.A.T.....C.G.....C.AT..T..T..CA.A.AAT..C...A
KPEL11	...T...CTTCTC.T..C.....T...CATC..A...T.T...C.....C.AT..T..T..CAAA.AAT..C....
KPEL12	...T...CTTCT..T..C.....T...CATC..A...T.....C.G.....C.AT..T..T..CAAA.AAT..C...A
KPEL13	...T...CTTCTC.T..C.....T...CATC..A...T.T...C.....C.AT..T..T..CAAA.AAT..C...A
KPEL14	...T...CTTCTC.T..C.....T...CATC..A...T.....C.G.....C.AT..T..T..AAAA.AAT..C...A
KPEL15	...T...CTTCTC.T..C.....A...CATC..A...T.....C.G.....C.AT..T..T..CAAA.AAT..C...A
KPEL16	-----T..C.....T...CATC..A...T.....C.G.....C.AT..T..T..CAAA.AAT..C....
KPEL17	-----T..C.....T...CATC..A...T.....C.G.....C.AT..T.TT..CAAA.AAT..C...A
KPEL18	-----T..C.....T...CATC..A...T.T...C.....C.AT..T..T..CAAA.AAT..C...A
KPEL19	...T...C.TCTC.T..C.....T...CATC..A...T.T...C.....C.AT..T..T..CAAA.AAT..C...A
KPEL20	...T...CTTCTC.T..C.....T...ATC..A...T.....C.G.....C.AT..T..T..CAAA.AAT..C...A
KPEL21	...T...CTTCTC.T..C.....T...CATC..A...T.....C.G.....CGAT..T..T..CAAA.AAT..C...A