



351

sogSana	-----	-----	-----	-----	-----	ACAGGTAGTC	TAAGGAT	---
sogSere	-----	-----	-----	C	-----	CA	ACTGGCA	---
sogSgri	-----	-----	-----	C	-----	CA	ACAGATGATG	CACGTTTTTG
sogSmel	-----	-----	-----	CAGCG	-----	GA	ACAGGTAGGC	TGGTCGA
sogSmoj	-----	-----	-----	-----	-----	-----	-----	-----
sogSper	-----	-----	-----	-----	-----	GA	ACAGGTAGGA	TGGGAAT
sogSpse	-----	-----	-----	-----	-----	GA	ACAGGTAGGA	TGGGAAT
sogSsec	-----	-----	-----	CAGCG	-----	GA	ACAGGTAGGC	TGGTCAA
sogSsim	-----	-----	-----	CAGCG	-----	GA	ACAGGTAGGC	TGGTCGA
sogSvir	-----	-----	-----	-----	-----	CA	ACAGATGACG	CACGTTTTTG
sogSwil	TATTATGCAA	AATGATTATT	CAACGGAATC	CAGTCAAGAA	TTCTGATTAA	-----	ACAGGTAACA	AAAAATTCGTA
sogSyak	-----	-----	-----	-----	-----	GA	ACAGGTAGGA	TGTTCCA

421

sogSana	-----	-----	-----	-----	-----	GTGGGAA	-----	-----
sogSere	-----	-----	-----	-----	-----	GGGGCAAG	TGGCTCCTGC	-----
sogSgri	CTA	-----	C	-----	-----	GTGGTAAA	AACCCATCGT	-----
sogSmel	-----	-----	-----	-----	-----	TCGGAAA	-----	-----
sogSmoj	-----	-----	-----	-----	-----	CGTAAA	-----	-----
sogSper	-----	-----	-----	-----	-----	ACGGAAA	-----	-----
sogSpse	-----	-----	-----	-----	-----	ACGGAAA	-----	-----
sogSsec	-----	-----	-----	-----	-----	GCGGAAA	-----	-----
sogSsim	-----	-----	-----	-----	-----	GCGGAAA	-----	-----
sogSvir	CTGGGCCCCGT	GCACACACAC	ACATACACAC	ACACACACAC	ACCGAGTGCA	TTGTGGGAAA	ACCCCGTTGT	-----
sogSwil	AGG	-----	CACAC	TGATAAGGCC	CAAAATGGAAA	AAAAAAAAAA	AAACGGAAA	-----
sogSyak	-----	-----	-----	-----	-----	GCGGAAA	-----	-----

491

sogSana	-----	-----	T	TCCCA	GCAT	ATATCTGCCA	TATCTAATAT	ATGAC	-----	ACGCGGA	---
sogSere	GTCC	-----	T	G	TGCCA	CCAG	ATGACGCGCG	-----	-----	ATGTGGCCG	-----
sogSgri	GTGT	-----	TTT	TTCTG	ATAA	CCAAATGCGAG	ACAATAACGT	GAGATTT	-----	CCCTGGCCG	-----
sogSmel	-----	-----	T	TCCCA	CCAT	ACA	CATG	TGGCTATAAT	GCCA	-----	ACGGCATCG
sogSmoj	-----	-----	T	TCCCA	CCAT	AGGAGCAGGA	TCATAAACAC	AGCAATTTAA	-----	TACAAAGGCA	-----
sogSper	-----	-----	T	TCCCA	CCAC	ATAAAAACG	-----	-----	-----	AATCAGGCG	-----
sogSpse	-----	-----	T	TCCCA	CCAC	ATAAAAACG	-----	-----	-----	AATCAGGCG	-----
sogSsec	-----	-----	T	TCCCA	CCAT	ACA	CATG	TGGCTATAAT	GCCA	-----	ACGGCAGCG
sogSsim	-----	-----	T	TCCCA	CCAT	ACA	CATG	TGGCTATAAT	GCCA	-----	ACGGCAGCG
sogSvir	GTGTGTGTGT	GTGTGTGT	TTT	TTCTG	AAAA	CCAAATGCTA	ACAATAACGC	GCTATTTG	-----	GCTGGGCCA	-----
sogSwil	-----	-----	T	TCCCA	TCAT	ATG	-----	AGAG	-----	ACGTAAGC	-----
sogSyak	-----	-----	T	TCCCA	CCAT	ATAGTGCATG	T	-----	-----	ACGTAGACG	-----

561

sogSana	-----	AAG	TGTGAAA	-----	ACAGATGC	CTGTCTCTTG	TATGAGGCGA	TCGGGCGCG	-----	CTCATAAAAA	-----
sogSere	GAA	-----	AAA	CCCCAAAA	-----	CCAGACC	-----	GAAAC	-----	CGAAAAAC	-----
sogSgri	TCTGTCTATGA	-----	TCTAGAA	-----	ACACGTGA	GGCTCTCTTG	C	-----	TCCTCT	CCCTACGCAC	-----
sogSmel	-----	AGG	TGCGAAA	-----	ACAGAT	-----	-----	GCAGC	-----	CTCATAAAAA	-----
sogSmoj	GAGC	-----	AGG	CGCTAAA	-----	CAGATGC	GATCTGTGGT	GCAGTG	-----	GCCCCATAAAAA	-----
sogSper	AAACAGAAAAG	-----	TGCGAAA	-----	ACAGAT	-----	-----	GCAGC	-----	CTCATAAAAA	-----
sogSpse	AAACAGAAAAG	-----	TGCGAAA	-----	ACAGAT	-----	-----	GCAGC	-----	CTCATAAAAA	-----
sogSsec	-----	AGG	TGCGAAA	-----	ACAGAT	-----	-----	GCAGC	-----	CTCATAAAAA	-----
sogSsim	-----	AGG	TGCGAAA	-----	ACAGAT	-----	-----	GCAGC	-----	CTCATAAAAA	-----
sogSvir	TGA	-----	TGA	TCCAGAAAATG	CGACAGATTG	TCGTGCCCCG	TTGCCC	-----	GTACT	CTCACGGCA	-----
sogSwil	-----	AGA	TGCCGAT	-----	GTCATGC	G	-----	-----	GCGAC	CTCATAAAAA	-----
sogSyak	-----	AAG	TGCGAAA	-----	ACAGAT	-----	-----	GCAGC	-----	CTCATAAAAA	-----

631

sogSana	GGGG	-----	-----	CGGCAGGAT	A	AGCGCAG	GACGA	-----	GGCGAGGT	-----	-----
sogSere	CTGGTCAGGG	-----	TTTCCCGAAAA	CCGTAGAGCA	AAAAGCGAAT	GGCGACAAT	GGGCGGATT	-----	-----	-----	-----
sogSgri	GAGACGTATT	-----	GGGCCAGAGG	GCATCCAACC	AACCATATGG	GTAA	-----	GGTTAAGTT	-----	CCGGAAATTC	-----
sogSmel	GGGG	-----	-----	CG	CAGAT	AAGGTCGCGG	TT	-----	-----	-----	-----
sogSmoj	CGGGGACACAC	-----	ACACACACACG	ACGCAGACAC	AGCGGCAGAG	GCTGC	-----	CGCTGGAC	-----	-----	-----
sogSper	GGGG	-----	-----	CG	CAGAT	A	AGCGATG	GGCAA	-----	TGTCGGTTCG	TCAGTCGTTCG
sogSpse	GGGG	-----	-----	CG	CAGAT	A	AGCGATG	GGCAA	-----	TGTCGGTTCG	TCGGTTCGTTCG
sogSsec	GGGG	-----	-----	CG	CAGAT	AAGGTCGCGG	TT	-----	-----	-----	-----
sogSsim	GGGG	-----	-----	CG	CAGAT	AAGGTCGCGG	TT	-----	-----	-----	-----
sogSvir	GCGGCC	-----	-----	CAGCCATAT	G	-----	G	-----	AGGTT	ACGGGAATTC	-----
sogSwil	GGGG	-----	-----	CA	CAATT	C	-----	-----	-----	-----	-----
sogSyak	GGGG	-----	-----	CG	CAGAT	AAGGTCGCGG	TT	-----	-----	-----	-----

sogSana	---	GCGTGG	GAA	---	---	AAGCCCA	GGG	TAGCGAG	GCGAGGACGA	AC	---	C	TGTGCGGTTG
sogSere	---	GTGCGC	GAG	---	---	TATCCAC	GAT	GATCTAG	AATCGCACGG	AG	---	C	---
sogSgri	CC	GAATGG	GAA	---	---	CAGGTAG	T	CGGCACAGG	ACCTGGTCAG	---	---	---	GTTGCGGTTG
sogSmel	---	GCGTGG	GAA	---	---	AAGCCCA	TCC	GACCAGG	ACCAGGACGA	AG	---	C	AGTGCAGTTG
sogSmoj	---	CGTGG	GAA	---	---	AAGCCCA	GCG	AGGCAGC	A	---	---	---	AGCGCAGCTA
sogSper	GT	CGGCGTGG	GAA	---	---	AAGCCCA	GCC	ACTGGC	AGGCGGGCGA	AC	---	C	TGTGCGGTTG
sogSpse	GT	CGGCGTGG	GAA	---	---	AAGCCCA	GCC	AATGGC	AGGCGGGCGA	AC	---	C	TGTGCGGTTG
sogSsec	---	GCGTGG	GAA	---	---	AAGCCCA	TCC	GACCAGG	ACCAGGACGA	AG	---	C	AGTGCAGTTG
sogSsim	---	GCGTGG	GAA	---	---	AAGCCCA	TCC	GACCAGG	ACCAGGACGA	AG	---	C	AGTGCAGTTG
sogSvir	CCC	GGCACAG	GTAG	CCCACA	GGC	AGACCCT	CAGAT	CTCAG	GTCAGGTTAA	AG	TTAAGATC	---	GGTTAGGTTG
sogSwil	---	AGCGTGG	GAA	---	---	AAGCCCA	AA	CAAGT	---	CTGGCCA	AC	---	TGTGCGGTTG
sogSyak	---	GCGTGG	GAA	---	---	AAGCCCA	TCC	GACC	---	AGGACGA	AG	---	AGTGCAGTTG

sogSana	GCGCATCATT	GCCGCCATAT	-----TCC	TG	-----GCCC	CACA	-----	-----
sogSere	TCACGCATCC	GTGGCCATAT	GGGTTGGGTC	GATCGGAAAT	AC	CCAG	GACA	---GGTAGGACGCTG
sogSgri	ATTTATTTCT	AGCTCGGTCT	TAGGTTTTCG	TGTGGTTTT	GGTCTTGCTG	AACGACTGAA	AGAATGTTTC	-----
sogSmel	GCGCATCATT	GCCGCCATAT	CTGCTATTCC	TA	-----CCTG	CGTG	-----	-----GCCATG
sogSmoj	CGGAAT	-----	-----	-----	-----	-----	-----	-----
sogSper	GC-----TT	GGCGCAACAT	CGGGATCTTG	TG	-----CAAG	GACA	-----	-----CGGCCACG
sogSpse	GC-----TT	GGCGCAACAT	CGGGACCTTG	TG	-----CAAG	GACA	-----	-----CGGCCACG
sogSsec	GCGCATCATT	GCCGCCATGT	CTGCTCTTCC	TA	-----CCTG	CGCG	-----	-----GCCATG
sogSsim	GCGCATCATT	GCCGCCATGT	CTGCTGTTCC	TA	-----CCTG	CGCG	-----	-----GCCATG
sogSvir	CCGTCTCCCT	CTCTCTCTCT	TTCTCTCTCT	CT	-----	CAATCTGC	GTCTCGGTTT	-----
sogSwil	GCGCATATTG	GTCTTGTGC	AAGGACCAAC	CG	-----ACCA	ACCA	-----	-----ACCAAC
sogSyak	GCGCATCATC	ATCCTA	-----	-----	-----CCTG	CATAGATGGC	CATTGCCATG	-----

sogSana	-----TCCT	TGTGCAAGGA	CTCTGGTGG	ATGAGGCCAA	-----AA	AAGAAGGTAG	AAAAAGAGGAT
sogSere	TGGATTGGTG	TGCGGATTGG	GACTAGCAAC	AGGTGCGAAC	GCCCGCCAG	AAGCCAATTT	AAATAAGCAG
sogSgri	GCGATTGCGA	CTCGCAACGC	CCGCCA----	-----	-----AG	AAGCCAATTT	AAATAAGCAG
sogSmel	GCGATATCCT	TGTGCAAGGA	TA-----	-----	-----AG	GAGC-----	-----GGGGAT
sogSmoj	---GCAACCT	GTAGTACGGG	TCGTG-----	-----	-----	---CTGATGA	TGGGCGGCGT
sogSper	GACATAGACC	CGAACCAGGG	ACCGAA----	-----	-----AA	AGGACCACGA	GTGAGGTGGT
sogSpse	GACATAGACC	CGAGCCAGGG	ACCGAA----	-----	-----AA	AGGACCACGA	GTGAGGTGGT
sogSsec	GCGATATCCT	TGTGCAAGGA	TA-----	-----	-----AG	GAGC-----	-----GGGGAT
sogSsim	GCGATATCCT	TGTGCAAGGA	TA-----	-----	-----AG	GAGC-----	-----GGGGAT
sogSvir	TGGTTTTTGG	CGCGCAACGC	CCGCCA----	-----	-----AG	AAGCCAATTT	AAATAAGCAG
sogSwil	CCAACAGCCT	AGAATTTGAG	ACAACGCAAA	AAAGTAAACG	GCGAAAAAAG	GTTCCAACAT	TTTGAGAGGT
sogSyak	GGCATATCCT	TGTGCAAGGA	TA-----	-----	-----AG	GAGC-----	-----TGGGAT

sogSana CATAAAACGG TGTCG--CTT TGTTTATG-- ---CTGCT TAT--TTAAA TTGGCTTCTT GGCGGGCGTT  
 sogSere CATAAA--CAA AGGCGACAGC GTTTTACGAT CCCAGCTCCT TATCCCTTA ---TCCT TGCACAAG  
 sogSgri CATAAACAAA GGACGACTGC GATTTATGAC A---CTGTC GAA--TGA--TGGCATCAA GGAT---  
 sogSmel CATAAAACGC TGTCG--CTTT TGTTTATG-- ---CTGCT TAT--TTAAA TTGGCTTCTT GGCGGGC  
 sogSmoj CATAAAACGC AGTCGTCCTT TGTTTATG-- ---CTGCT TAT--TTAAA TTGGCTTCTT GGCGGGGC--  
 sogSper CATAAAACGT TGTCG--CTTT TGTTTATG-- ---CTGCT TAT--TTAAA TTGGCTTCTT GGCGGGC--  
 sogSpse CATAAAACGT TGTCG--CTTT TGTTTATG-- ---CTGCT TAT--TTAAA TTGGCTTCTT GGCGGGC--  
 sogSsec CATAAAACGC TGTCG--CTTT TGTTTATG-- ---CTGCT TAT--TTAAA TTGGCTTCTT GGCGGGC--  
 sogSsim CATAAAACGC TGTCG--CTTT TGTTTATG-- ---CTGCT TAT--TTAAA TTGGCTTCTT GGCGGGC--  
 sogSvir CATAAACAAA GGACGACTGC GTTTTATG-- ---CTGCT TAT--TTAAA TTGGCTTCTT GGCGGGC--  
 sogSwil CATAAAATGTT GATTG--CTTT TGTTTATG-- ---CTGCT TAT--TTAAA TTGGCTTCTT GGCGGGA--  
 sogSyak CATAAAACGC TGTCG--CTTT TGTTTATG-- ---CTGCT TAT--TTAAA TTGGCTTCTT GGCGGGC--

sogSana	GTTCGACCT	GGTTTCTGGG	ATATACCCAT	AGAC					ATGAGCA	CTCAACTACC
sogSere	GATGTGGCC								ATGGCCA	CGCAGGTAGC
sogSgri	GCTGCCCTGCT	TGCCTGCG								
sogSmel	GTTCGAACCT	GGTGTAGTC	CCAAATCCCA	TCCC						AATT
sogSmoj	GTTCGAAGC		CAAAACCAAA	AAACAAA					AAACGAA	AGCCGAAAAAC
sogSper	GTTCGAGCC	GCCGCGATAG	CCAAATCCGA	GTCC						GTGCTCGGATC
sogSpse	GTTCGAGCC	GCCGCGATAG	CCAAATCCGA	GTCC					ATGATCG	GATCCGAGGC
sogSsec	GTGGCGACCT	GGTGTAGTC	CCAAATCCCA	TCCC						
sogSsim	GTTCGACCT	GGTGTAGTC	CCAAATCCCA	TCCC						AATT
sogSvir	GCCATTATCT	ATCCAGCGAA	CAGGATCGGT	TCCC						
sogSwil	CCTGCAA		AAACCGAA	AAACGAAAAA	TTTGAGAACC				TGAAAAAGAA	T
sogSyak	GTTCGACCT	GGTCTGTGTT	CTAGTCCCA	TCCC						AATC

1051

sogSana	TGTACCTGTG	ACCTGACCTG	---	---	---	CCC	TGGGCGT
sogSere	ACTGGTCTGA	TCTGAGACCT	GGCGGCAAGG	ATGCGCCAAC	CGCAC	T	GGTTCGTCCCT
sogSgri	CACACTTGGG	CTTGGCCC	---	---	---	---	---
sogSmel	CCAATCCGTA	T---ACCCG	TATATCCAA	---	---	T	GCAATCTACC
sogSmoj	CCAGGCCCAA	CTTTGACCTG	---TCCCTGGGC	CAGGACCTGC	AGCTAGCCTA	GCCGACTACC	TGTTCAACCT
sogSper	CGAGGCCGGG	ACCTGGACCA	GGACCTGGAC	CTGGATCGAC	ATCGA	C	CTGCTCTACC
sogSpse	CGAGGCCGGG	ACCTGGACCA	GGACCTGGAC	CTGGATCGAC	ATCGA	C	CTGCTCTACC
sogSsec	--AATCCACA	TCCCATCCAA	---	---	---	T	GCAATCTACC
sogSsim	CCAATCCACA	TCCCATCCAA	---	---	---	T	GAATCTACC
sogSvir	ACAGGTTGC	---	---	---	---	T	GTGCTCGGTA
sogSwil	TGAACCCGAA	TCTGAACCAAC	GACCTGAATA	ATCTGACAAC	CCACA	A	CCCGCCTACC
sogSyak	CCAATCCCAA	TCTCAATCCC	AATTCCAATC	CACGTCCCAAC	ATCCA	T	GCAGTCTACC

1121

sogSana	---	---	GGGA	ATTTCCGGAC	AGT	---	C	CCATATAACC	CATATGTGCA
sogSere	---	---	TGGG	CTTTTCCCAC	---	---	G	CAACCGCGAC	CTTATC
sogSgri	---	---	GGG	ATTTTCCCAC	GGC	---	C	CATCTTCGCT	TATCTG
sogSmel	---	---	GGGA	ATTTCCGAT	---	---	T	TGGCCGCACC	CATATG
sogSmoj	GCAA	---	GGGA	ATTTCCGGG	---	---	G	TAGCTTAACC	CATATG
sogSper	---	---	GGGA	ATTTCCGC	---	---	C	AGATTCAACC	CATATG
sogSpse	---	---	GGGA	ATTTCCGC	---	---	C	AGATTCAACC	CATATG
sogSsec	---	---	GGGA	ATTTCCGAT	---	---	C	GGCCGCACC	CATATG
sogSsim	---	---	GGGA	ATTTCCGAT	---	---	C	CGCCGCACC	CATATG
sogSvir	---	---	TGGG	CTTTTCCCAC	GGC	---	C	CAATCTCGCT	TATCTC
sogSwil	TCTCTCTCTT	GCTGGG	GGGA	ATTTCCGTTT	TTTTTCTTTT	TCCCTCTCCT	C	CATCTTAACC	CATATG
sogSyak	---	---	GGGA	ATTTCCGA	---	---	T	CGGTGCAACA	CATATG

1191

sogSana	ACTCC	---	ATGG	ACCTGTGGAC	CTG	---	---	---	TGGACC
sogSere	GCGCC	---	CCTT	TTATGAGGC	---	---	---	---	TGCAT
sogSgri	GTGCC	---	CCTT	TTATGAGGCA	TGCG	---	---	CATCG	CCATGCATC
sogSmel	---	---	ACGG	ATGCGTGAGA	GTGCTC	---	---	---	TCCGTG
sogSmoj	---	GCTGGGT	GTCTGGGTGG	TTGCTGGGT	GAG	---	---	---	GGCGAC
sogSper	TGCA	---	GCGG	ATGCGTGAGA	ATAA	---	---	---	TACGAGG
sogSpse	TGCA	---	GCGG	ATGCGTGAGA	ATAA	---	---	---	TGCGAGG
sogSsec	---	---	ACGG	ATGCGTGAGA	GTGC	---	---	---	TCCGTG
sogSsim	---	---	ACGG	ATGCGTGAGA	GTGC	---	---	---	TCCGTG
sogSvir	GTGCC	---	CCTT	TTATGAGCCA	TGCAACCGCA	CCGTACCGCA	CCGCACCGCA	CAACGCATC	---
sogSwil	---	GCCTTAAA	ATATATATGT	ATGTATATCG	GAGG	---	---	TC	TGCGTGA
sogSyak	---	---	ACGG	ATGCGTGAGA	GTGC	---	---	---	TCCGTG

1261

sogSana	---	GTTTTCTAGA	TCATCGTGGG	TC	TGTTC	TGCACAACAA	TCGGGTATT	TGTCCC	GG
sogSere	---	CTGTTTTCGC	ACCTC	---	GCTG	TCGATGGCA	CTATACC	---	---
sogSgri	---	TGTTTTTCGC	ACATT	---	IG	TC-TGTTGT	TGTTTC	TA	---
sogSmel	---	CGATTCTAGA	TCATCGTGG	---	GTAT	TCGCAGACAA	GTGCC	---	---
sogSmoj	---	CATTCTCTGA	TCAT	---	A	ACGCGTTATT	GTTCGC	---	---
sogSper	---	CGTTTCTAGA	TCATCATGT	CCAAACAATAA	TGGACAACAA	TC-GGTTATT	GTGTT	GG	---
sogSpse	---	CGTTTCTAGA	TCATCATGT	CCAAACAATAA	TGGACAACAA	TC-GGTTATT	GTGTT	GG	---
sogSsec	---	CGATTCTAGA	TCATCGTGG	---	GTAT	TCGCAGACAA	TCGGGTATT	GTGCC	---
sogSsim	---	CGATTCTAGA	TTTCTT	---	---	---	GGGTATT	ATATTTG	---
sogSvir	---	TGTTTTTCGC	ACTTT	---	CTG	CTTGGCTGTG	TTGTCTGTG	---	---
sogSwil	GAATTC	ATTTTGTAGA	TCATCATGT	---	C	CGAAACAATG	TCAGGTATT	GTTCGTGAGA	---
sogSyak	---	CGATTCTAGA	TCATC	---	ACAA	TCGGGTATT	GTGTGCC	---	---

1331

sogSana	CCACACATTT	CAAAAT	---	ATTT	TCGGGAACCG	TTTTCTGGGT	TTTCTCTGTC	CTCTGCCCTC	---
sogSere	---	CACAT	AGATCTATCT	ACTATATATG	GTGGGAATTT	CCGCCAGCC	ATCCTACCTG	TTCC	A
sogSgri	TGTTCCATGT	GAT	---	---	GGGAAT	---	---	---	---
sogSmel	---	GCATTC	GATGTTGGGT	CTTTG	GTTC	TCGGAAATC	TGACCAGGTT	TTCCGTTTTT	GGTT
sogSmoj	---	---	---	---	---	---	---	---	---
sogSper	TCTCTCTTTT	TCTTA	---	TTTT	TCGGGAATCA	TACCCGGG	---	---	---
sogSpse	TCTCTCTTTT	TCTTA	---	TTTT	TCGGGAATCA	TGCCCCGGG	---	---	---
sogSsec	---	GCATTC	GATTTTGGGT	ATTTCG	TTTT	TCGGAAATC	TGACCAGGTT	TTCCGTTTTT	GATTTTGGGT
sogSsim	---	GCATTC	TGTTT	CTTCATGATT	GAGGAATT	---	TTTT	TTTT	TTTTTTTAGT
sogSvir	TTGTGTTGGT	GTTTATGATC	CGGTCAAT	ATGGGAAT	---	---	---	---	---
sogSwil	TCTTTTATGC	GAAAAT	---	CCTT	TTGGAACTG	---	---	---	---
sogSyak	---	GCATTC	GATTTTGTGT	CTACGGTTTT	TAGGAAAC	---	---	---	C

1401

sogSana	TTGGGCTTGG	GTTTTTC	GGGTG	GCATAACGTC	ATCTGGTCCA	GGACT	CGGCA
sogSere	CTGAACTCGG	GGATCTGGCC	ATCCTGAGCT	TCCACAGGTC	AGTCGGC		
sogSgri	TTAT	GTATTTCCCC	GCTTACCTG	ACCGGGAATC	A		AACCA
sogSmel	TTGATTTTGG	GTTTTTCC	GGCCGC	ATCGTGCCTC	ATCTGGTGGC	ACAGGACG	CACTT
sogSmoj							
sogSper	TCGG	GTTTTTCCTC	GGTCCGTGA	AACGTGCGTC	ATCTGGTGG		TGTCA
sogSpse	TCGG	GTTTTTCCTC	GGTCCGCGA	AACGTGCGTC	ATCTGGTGG		TGGCA
sogSsec	TTGGGTTTGG	GTTTTTCC	GGCCGC	ATCGTGCCTC	ATCTGGTGGC	ACAGCACG	CACTT
sogSsim	TTTTGGTTTT	GTTTTTCATG	TCTAGCTCTG	GCAATAAGTA	G		ATGCA
sogSvir	TTAC	GTCTTTCCTG	TGCTCTCTG	TTTCCGTGCC	A		
sogSwil	CAGG	GTTTTTCCCA	A	TGTGTC	ATCTGGTAAT	GCGGTGTGGT	TGCACTCTCT
sogSyak	CTGCGCTCGG	GTTTTTCCCA	CATCGTGCAC	ATCGTGCCTC	ATCTGGTGGC	ACAGGACG	CACTT

1471

sogSana	GGACTGGTGG	CACT	TGCCCC	TGCTCTGC	TGC		GTCC
sogSere	AT	CAAT	TGGCCG	TCAATA			ACAT
sogSgri	AACCAA	AC	CAAAACCAAC	CAAGGCAAA	TGGAACCGC		ATCG
sogSmel	GCCCCCT	GT	CAGT	TGGTCC	GTGCACCCCT	TGC	GTCC
sogSmoj							
sogSper	GGACTTCTTG	CACTTGT	TGCCCCG	TGCAACCCG			GTCC
sogSpse	GGACTTGTG	CACTTGT	TGCCCCG	TGCAACCCG			GTCC
sogSsec	GCCCCCT	GC	CAGT	TGGGCC	GTGCACCCCT	TGC	GTCC
sogSsim	AGATTGGAAT	GAATAAATGC	ATTGGCTA	TGAGTCATA	TGG		GTTC
sogSvir	GCCTTTTAC	CTGCCAGCCA	CAATGTCT	CAACGTGC			CAAGCC
sogSwil	ATCTCTTTTT	CGCTCTCTCT	CAGTCTCT	TTTCTCTCTG	TGTGTGTGTG	TGTGTGTGTG	TGTCTTGTCA
sogSyak	GCCCCCT	GC	CAGT	TGGTCC	TGCAACCCCT	GCT	GCCT

1541

sogSana	AGGATTACG		GCAG	CACCTTC			
sogSere	AAAAACAATC		AGCAGTAAA	TCCTTTA			
sogSgri	AAACCAACG		CACACAATT	CCCCCTCA			
sogSmel	AGGATTACG		A	CACCTTC			
sogSmoj							
sogSper	AGGATTACG		ACGGGCCAGC	CACGTTC			
sogSpse	AGGATTACG		ACGGGCCAAC	CACGTTC			
sogSsec	AGGATTACG		A	CACCTTC			
sogSsim	GGGATTGCA						
sogSvir	AAAGCAAGG		CCAGCAGA	AGCTTTC			
sogSwil	AAAGTCACAC	TTTCAAGGCTC	AAACTTAAGC	CACATTCAAA	TTACAAGAAA	TGCCAAATCT	ATAAAATGAA
sogSyak	AGGATTACG		ACACCTTGA	CACCTTC			

1611

sogSana				TGTGG	AAGTG		
sogSere				TGGCC	AACTGA		
sogSgri				AAATTA	AAATTAATA		
sogSmel				TGTGG	AACTGCTG		
sogSmoj							
sogSper				TCTGG	AAGTGG		
sogSpse				TCTGG	AAGTGG		
sogSsec				TGTGG	AACTGCTG		
sogSsim				AAATGG	AAATGGTA		
sogSvir				CATGA	GTGTGCTGCT	CAATCAA	
sogSwil	CTCAAAAGCTG	TTGAAAAAAA	ATTGATTGAT	TTATATGCAG	AGTTGGTGGG	GAAATATATA	TATATATATA
sogSyak				TGTGG	AACTGCTG		

1681

sogSana							
sogSere							AGTCG
sogSgri							AATAA
sogSmel							AATCG
sogSmoj							
sogSper							AATAC
sogSpse							AATAC
sogSsec							AATCG
sogSsim							
sogSvir							AGTGG
sogSwil	TATATGTATA	TGTTCATTC	CATTTTGCCA	TATTACGTGG	CCATTGTCTG	ATTTTGATTT	ATTTCAATCG
sogSyak							AATCG

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sogSana	-----	-----	-----	-----	-----	-----	-----
sogSere	TAGAACTTAT	ATGCCCATTG	-----	-----TAATC	GCTCGATCAA	AT-----	-----
sogSgri	TTCAACTAGA	ATAGATTTTG	TTTCAATGTG	TCAAGAATAI	TTTTAGTTGT	AGTT-----	-----
sogSmel	CAGAAATCGCA	ACGA-----	-----	-----TGACC	TCTCAACCAA	CTTCTCCTCC	TTCTC
sogSmoj	-----	-----	-----	-----	-----	-----	-----
sogSper	CAGAGCGGCC	AGGGACCGGA	GCCAGAGCCA	GAGCCAGAGC	CAGGGCCGAG	GGGACCATAG	CCATA
sogSpse	CAGAGCGGCC	AGGGACC-----	-----	-----	-----	-----	-----
sogSsec	CAGAAATCGCA	CGA-----	-----	-----TGACC	TCTCAGCAAC	TCCTTCCTCA	TCCTC
sogSsim	TGGAATGGTA	TTGG-----	-----	-----GAAAT	TTTCAAACAA	CT-----	-----
sogSvir	AAGAACAAAT	CTTTATATTA	ATATTAAATTA	TGCATACTTT	GAT-----	-----	-----
sogSwil	TTCAACAATG	TTGATGATGA	TGATTAAATG	CCTTGGTGAA	TGTCAATTGT	CGCCATATCA	ACT--
sogSyak	GAGAACCACG	ACG-----	-----	-----ACC	TCTCAACCTA	CACCCAATCC	TCCTC