

Section 1

	(1)	1	10	20	30	40	51
ATCC35984_Agr	(1)	--	NNNNNNNNNNNN	NAGCG	AAANTACTCTCC	CATATTTT	TA-TATTGTA
Se-2_Agr	(1)	--	NNNNNNNNNNNN	AAGCG	ANNNN-CTCTCC	CATATTTT	TA-TATTGTA
Se-1_Agr	(1)	N	NNNNNNNNNNNN	AAGCG	AAAATACTCTCC	CATATTTT	TA-TATTGTA
Se-3_Agr	(1)	-	NNNNNNNNNNNN	AAGCG	NNNNNACN	CNNCNTATTTT	NNANATTGTA
Consensus	(1)		NNNNNNNNNNNN	AAGCG	ANNNTACTCTCC	CATATTTT	TA TATTGTA

Section 2

	(52)	52	60	70	80	90	102
ATCC35984_Agr	(48)	-	TCGTAGTTATTT	CATTAGTAACTAA	AAGAACCGGTA	AAATAAACTT	ATTTTA
Se-2_Agr	(48)	-	TCGTAGTTATTT	CATTAGTAACTAA	AAGAACCGGTA	AAATAAACTT	ATTTTA
Se-1_Agr	(51)	-	TCGTAGTTATTT	CATTAGTAACTAA	AAGAACCGGTA	AAATAAACTT	ATTTTA
Se-3_Agr	(51)	A	TCGTAGTTATTT	CATTAGTAACTAA	AAGAACCGGTA	AAATAAACTT	ATTTTA
Consensus	(52)		TCGTAGTTATTT	CATTAGTAACTAA	AAGAACCGGTA	AAATAAACTT	ATTTTA

Section 3

	(103)	103	110	120	130	140	153
ATCC35984_Agr	(98)		TTCCGGTGTAATTT	TAGAATCTTTAAC	ATTACTACCCAT	CTTTTTCCCTA	AG
Se-2_Agr	(98)		TTCCGGTGTAATTT	TAGAATCTTTAAC	ATTACTACCCAT	CTTTTTCCCTA	AG
Se-1_Agr	(101)		TTCCGGTGTAATTT	TAGAATCTTTAAC	ATTACTACCCAT	CTTTTTCCCTA	AG
Se-3_Agr	(102)		TTCCGGTGTAATTT	TAGAATCTTTAAC	ATTACTACCCAT	CTTTTTCCCTA	AG
Consensus	(103)		TTCCGGTGTAATTT	TAGAATCTTTAAC	ATTACTACCCAT	CTTTTTCCCTA	AG

Section 4

	(154)	154	160	170	180	190	204
ATCC35984_Agr	(149)		GAGGATATTAAT	CATGGAAAACAT	TTTTAATTTAT	TTTATAAAAAT	TTTTTCAC
Se-2_Agr	(149)		GAGGATATTAAT	CATGGAAAACAT	TTTTAATTTAT	TTTATAAAAAT	TTTTTCAC
Se-1_Agr	(152)		GAGGATATTAAT	CATGGAAAACAT	TTTTAATTTAT	TTTATAAAAAT	TTTTTCAC
Se-3_Agr	(153)		GAGGATATTAAT	CATGGAAAACAT	TTTTAATTTAT	TTTATAAAAAT	TTTTTCAC
Consensus	(154)		GAGGATATTAAT	CATGGAAAACAT	TTTTAATTTAT	TTTATAAAAAT	TTTTTCAC

Section 5

	(205)	205	210	220	230	240	255
ATCC35984_Agr	(200)		TACAATCTTGGA	ATTTATTGGTACT	GTAGCAGGAGAT	AGTGTATGTGC	CTC
Se-2_Agr	(200)		TACAATCTTGGA	ATTTATTGGTACT	GTAGCAGGAGAT	AGTGTATGTGC	CTC
Se-1_Agr	(203)		TACAATCTTGGA	ATTTATTGGTACT	GTAGCAGGAGAT	AGTGTATGTGC	CTC
Se-3_Agr	(204)		TACAATCTTGGA	ATTTATTGGTACT	GTAGCAGGAGAT	AGTGTATGTGC	CTC
Consensus	(205)		TACAATCTTGGA	ATTTATTGGTACT	GTAGCAGGAGAT	AGTGTATGTGC	CTTC

Section 6

	(256)	256	270	280	290	306
ATCC35984_Agr	(251)		TTACTTTGACGA	ACCAGAAGTACC	AGAAGAACTGAC	TAACTATAACGAGTA
Se-2_Agr	(251)		TTACTTTGACGA	ACCAGAAGTACC	AGAAGAACTGAC	TAACTATAACGAGTA
Se-1_Agr	(254)		TTACTTTGACGA	ACCAGAAGTACC	AGAAGAACTGAC	TAACTATAACGAGTA
Se-3_Agr	(255)		TTACTTTGACGA	ACCAGAAGTACC	AGAAGAACTGAC	TAACTATAACGAGTA
Consensus	(256)		TTACTTTGACGA	ACCAGAAGTACC	AGAAGAACTGAC	TAACTATAACGAGTA

Section 7

	(307)	307	320	330	340	357
ATCC35984_Agr	(302)		AATATAACCC	TAGAAAGTGTG	TAAAGATATGG	ATGATATTAATCTATTTC
Se-2_Agr	(302)		AATATAACCC	TAGAAAGTGTG	TAAAGATATGG	ATGATATTAATCTATTTC
Se-1_Agr	(305)		AATATAACCC	TAGAAAGTGTG	TAAAGATATGG	ATGATATTAATCTATTTC
Se-3_Agr	(306)		AATATAACCC	TAGAAAGTGTG	TAAAGATATGG	ATGATATTAATCTATTTC
Consensus	(307)		AATATAACCC	TAGAAAGTGTG	TAAAGATATGG	ATGATATTAATCTATTTC

Section 8

	(358)	358	370	380	390	408
ATCC35984_Agr	(353)	TTTGCAGGCCTACAAATCTTTTAAATGATTTGGGTTACTAAAGTTATCATT				
Se-2_Agr	(353)	TTTGCAGGCCTACAAATCTTTTAAATGATTTGGGTTACTAAAGTTATCATT				
Se-1_Agr	(356)	TTTGCAGGCCTACAAATCTTTTAAATGATTTGGGTTACTAAAGTTATCATT				
Se-3_Agr	(357)	TTTGCAGGCCTACAAATCTTTTAAATGATTTGGGTTACTAAAGTTATCATT				
Consensus	(358)	TTTGCAGGCCTACAAATCTTTTAAATGATTTGGGTTACTAAAGTTATCATT				

Section 9

	(409)	409	420	430	440	459
ATCC35984_Agr	(404)	AATATGAAATTTAATTTTAGGGATTACATAATCGTTTTTACGATTGTAATC				
Se-2_Agr	(404)	AATATGAAATTTAATTTTAGGGATTACATAATCGTTTTTACGATTGTAATC				
Se-1_Agr	(407)	AATATGAAATTTAATTTTAGGGATTACATAATCGTTTTTACGATTGTAATC				
Se-3_Agr	(408)	AATATGAAATTTAATTTTAGGGATTACATAATCGTTTTTACGATTGTAATC				
Consensus	(409)	AATATGAAATTTAATTTTAGGGATTACATAATCGTTTTTACGATTGTAATC				

Section 10

	(460)	460	470	480	490	500	510
ATCC35984_Agr	(455)	CCTTCTGCAATAATGTATTACTTTTGGCAAAGTAAAGCATTAAATAGTTTTG					
Se-2_Agr	(455)	CCTTCTGCTATAATGTATTACTTTTGGCAAAGTAAAGCATTAAATAGTTTTG					
Se-1_Agr	(458)	CCTTCTGCTATAATGTATTACTTTTGGCAAAGTAAAGCATTAAATAGTTTTG					
Se-3_Agr	(459)	CCTTCTGCTATAATGTATTACTTTTGGCAAAGTAAAGCATTAAATAGTTTTG					
Consensus	(460)	CCTTCTGCTATAATGTATTACTTTTGGCAAAGTAAAGCATTAAATAGTTTTG					

Section 11

	(511)	511	520	530	540	550	561
ATCC35984_Agr	(506)	GTTATAATAATCAACCATTTTCTTTTATACAAAATAAAAGCTTTATTCAATA					
Se-2_Agr	(506)	GTTATAATAATCAATAATTTTCTTTTATACAAAATAAAAGCTTTATTCAATA					
Se-1_Agr	(509)	GTTATAATAATCAATAATTTTCTTTTATACAAAATAAAAGCTTTATTCAATA					
Se-3_Agr	(510)	GTTATAATAATCAATAATTTTCTTTTATACAAAATAAAAGCTTTATTCAATA					
Consensus	(511)	GTTATAATAATCAATAATTTTCTTTTATACAAAATAAAAGCTTTATTCAATA					

Section 12

	(562)	562	570	580	590	600	612
ATCC35984_Agr	(557)	TTAGTTGTATTATTCACCACTATGATCTTATATATAACTAATTTTCATAACT					
Se-2_Agr	(557)	TTAGTTGTATTATTCACCACTATGATCTTATATATAACTAATTTTCATAACT					
Se-1_Agr	(560)	TTAGTTGTATTATTCACCACTATGATCTTATATATAACTAATTTTCATAACT					
Se-3_Agr	(561)	TTAGTTGTATTATTCACCACTATGATCTTATATATAACTAATTTTCATAACT					
Consensus	(562)	TTAGTTGTATTATTCACCACTATGATCTTATATATAACTAATTTTCATAACT					

Section 13

	(613)	613	620	630	640	650	663
ATCC35984_Agr	(608)	GTATACATACATTTGACTATAAAAAGATTATATTCCGTTTAAATTTGCTTTTA					
Se-2_Agr	(608)	GTATACATACATTTAACTATAAAAAGATTATATTCCGTTTAAATTTGTTTTA					
Se-1_Agr	(611)	GTATACATACATTTAACTATAAAAAGATTATATTCCGTTTAAATTTGTTTTA					
Se-3_Agr	(612)	GTATACATACATTTAACTATAAAAAGATTATATTCCGTTTAAATTTGTTTTA					
Consensus	(613)	GTATACATACATTTAACTATAAAAAGATTATATTCCGTTTAAATTTGTTTTA					

Section 14

	(664)	664	670	680	690	700	714
ATCC35984_Agr	(659)	CAGTTAATACATTTTACCTCTTTTGTAAATCATAACTCANN-TTATTGCTTAT					
Se-2_Agr	(659)	CAGTTAATACATTTTACCTTTTTTGTAAATCATAACTCANN-TCATTGCTTAT					
Se-1_Agr	(662)	CAGTTAATACATTTTACCTTTTTTGTAAATCATAACTCTNATCATTGCTTAT					
Se-3_Agr	(663)	CAGTTAATACATTTTACCTTTTTTGTAAATCATAACTCTAATCATTGCTTAT					
Consensus	(664)	CAGTTAATACATTTTACCTTTTTTGTAAATCATAACTCTNATCATTGCTTAT					

Section 15

	(715)	715	720	730	740	750	765	
ATCC35984_Agr	(709)	TTAACTCAACTATN GTTCAATAAATTAAAAGTATCCTA CT						TGTCACTCAAT
Se-2_Agr	(709)	TTAACTCAACTATN GTTCAATAAATTAAAAGTATCCTA TC						TGTCACTCAAT
Se-1_Agr	(713)	TTAACTCAACTAT T GTTCAATAAATTAAAAGTATCCTA TC						TGTCACTCAAT
Se-3_Agr	(714)	TTAACTCAACTAT T GTTCAATAAATTAAAAGTATCCTA TC						TGTCACTCAAT
Consensus	(715)	TTAACTCAACTATT GTTCAATAAATTAAAAGTATCCTATCT						TGTCACTCAAT

Section 16

	(766)	766	780	790	800	816	
ATCC35984_Agr	(760)	AAAAGATACTTATT GATAATAACAAT A GTACTTTT CATATCN -					NTATTTTA
Se-2_Agr	(760)	AAAAGATACTTATT CATAATAACAAT T GTACTTTT TATATCACT					TATTTTA
Se-1_Agr	(764)	AAAAGATACTTATT CATAATAACAAT T GTACTTTT TATATCN -					NTATTTTA
Se-3_Agr	(765)	AAAAGATACTTATT CATAATAACAAT T GTACTTTT TATATCN -					NTATTTTA
Consensus	(766)	AAAAGATACTTATT CATAATAACAATT GTACTTTT TATATCN					NTATTTTA

Section 17

	(817)	817	830	840	850	867	
ATCC35984_Agr	(810)	CTTTATATGGTGT CACAACTGATATGCGAGGAAATGATAC C					CTTAAATTA
Se-2_Agr	(811)	CTTTATATGGTGT CACAACTGATATGCGAGGAAATGATAC A					CTTAAATTA
Se-1_Agr	(814)	CTTTATATGGTGT CACAACTGATATGCGAGGAAATGATAC A					CTTAAATTA
Se-3_Agr	(815)	CTTTATATGGTGT CACAACTGATATGCGAGGAAATGATAC A					CTTAAATTA
Consensus	(817)	CTTTATATGGTGT CACAACTGATATGCGAGGAAATGATACACT					TTAAATTA

Section 18

	(868)	868	880	890	900	918	
ATCC35984_Agr	(861)	TATGCCATCT TATT GTTGGGNA TTA TNNN -					TTTTTT - - TAGTGT ACN GNN
Se-2_Agr	(862)	TATGCCATCT NNT - GATGGGN TNNANNNG -					TTTTTT AANNNG NNNAGN GAN
Se-1_Agr	(865)	TATGCCATCT TGT T GANGGGN NNT TNNNG					TTTTTT TAANNNG TANNGNAT
Se-3_Agr	(866)	TATGCCATCT TGT T GANGGNN N T TNNNGN -					TTTTTT TANN TNNNG GNNAT
Consensus	(868)	TATGCCATCTT GTTGATGGGNNTTANNNG					TTTTTTTANNNNNNNAGNNAT

Section 19

	(919)	919	930	940	950	969	
ATCC35984_Agr	(908)	AA T GAN GAT GTC N AATN TACACANNNN GACTTG N					NNNNNNNNNNNNNNNN
Se-2_Agr	(911)	N T T N A G N G N T G G T N C A A T T N N N N N N N N N N					N N N N N N N N N N N N N N
Se-1_Agr	(916)	T N T N G N N G A G N N N N A N G T T N N N N N N N N N N					G N N N N N N N N N N N N N N
Se-3_Agr	(916)	N N T G N T T G A N N G T N N N G T T N N N N N N N N N N					N N N N N N N N N N N N N N A N
Consensus	(919)	NNTNANNGATNGTNANGTTNNNNNNNNNNNNNNNNNNNNNNNN					NNNNNNNNNNNNNNNN

Section 20

	(970)	970	980	990	1001	
ATCC35984_Agr	(959)	NNNNNN -				
Se-2_Agr	(962)	ANN GNN NAGAAATC NNNN N NNN TNNNANNNNN				
Se-1_Agr	(967)	NNNNNNNNNNNNNNNN -				
Se-3_Agr	(967)	NANNNNNNNNNNNNNNNAN -				
Consensus	(970)	NNNNNNNNNNNNNNNN N				