

<i>conservation</i>	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75
<i>SCPP7'PN</i>	!!!!	*	!	!	*	*	*	!	*	*	*	*	****	*	*
<i>SCPP7'PP</i>	ATG	G	A	T	C	C	T	C	T	G	C	A	T	A	C
<i>SCPP7'AM</i>	ATG	A	A	T	C	C	T	G	T	G	C	A	T	T	A
<i>SCPP7'CI</i>	ATG	A	G	A	T	C	C	T	G	C	C	A	A	T	G
<i>SCPP7'DR</i>	ATG	A	G	A	T	C	C	T	G	G	C	A	T	T	A
<i>SCPP7-LW</i>	ATG	A	G	A	T	C	C	T	G	G	C	G	A	T	G
<i>SCPP7-C1'CC</i>	ATG	A	G	A	T	C	C	T	G	G	C	T	A	T	G
<i>SCPP7-C2'CC</i>	ATG	A	G	A	C	C	T	A	T	G	C	G	C	A	T
<i>SCPP7-C1'SG</i>	ATG	A	G	A	A	C	C	T	A	T	G	C	T	A	G
<i>SCPP7-C2'SG</i>	ATG	A	G	A	G	C	C	T	A	G	G	C	T	A	G
<i>SCPP7-C1'SA</i>	ATG	A	G	A	A	C	T	T	T	T	G	T	C	A	T
<i>SCPP7-C2'SA</i>	ATG	A	G	A	G	C	C	T	A	T	G	G	T	A	A
<i>SCPP7-C1'SR</i>	ATG	A	G	A	A	C	C	T	T	T	G	T	G	A	G
<i>SCPP7-C2'SR</i>	ATG	A	G	A	G	C	C	T	A	T	G	G	C	C	A

	235	240	245	250	255	260	265	270	275	280	285	290	295	300	305	310		
conservation	! ! * ! * ! * ! !	! ! ! ! * ! * ! !	! ! ! ! * ! * ! !	! ! ! ! * ! * ! !	! ! ! ! * ! * ! !	! ! ! ! * ! * ! !	! ! ! ! * ! * ! !	! ! ! ! * ! * ! !	! ! ! ! * ! * ! !	! ! ! ! * ! * ! !	! ! ! ! * ! * ! !	! ! ! ! * ! * ! !	! ! ! ! * ! * ! !	! ! ! ! * ! * ! !	! ! ! ! * ! * ! !	! ! ! ! * ! * ! !	! ! ! ! * ! * ! !	
SCPP7'PN	CCT	G	CAGGCCGT	GAGAG	CATTGAA	GTT	CT	TACCCATT	TGACTT	TGCCCCCG	CTGCC	CCAGGCC	GTT	CCTGT	TGCTCC	AGC	314	
SCPP7'PP	CCC	G	CCGGAA	AGA	AAGT	TATTGAA	GTT	CTG	TACCCCTT	CGGCTT	TCCTGAAC	CTGCC	CCAGCTG	TGCTCC	AGCTG	CCCCGGGC	308	
SCPP7'AM	CCT	G	CAGGCCAGAGATAG	CATTGAA	GTT	CTC	TACCCATT	TCGGCTT	TGCTCCCG	CTGCC	CCAGCTG	TGCC	CCGGCT	TGCCCCAGC	TGCCCCAGC	302		
SCPP7'CI	CCC	G	AGGCCAAAGA	AAGT	TATTGAA	GTT	CTG	TACCCCTT	CGGCTT	TCCTCAAC	CTGCC	CCAGCTG	TGCC	CCCTGCT	TGCTCC	AGC	308	
SCPP7'DR	CCC	G	AGGCCAAAGAGAGC	TATTGAA	GTT	CTG	TACCCCTT	CGACTTC	CTGCC	CCAGCTG	TGCC	CCCTGCT	TGCTCC	TGCTCC	TGCTCC	TGC	305	
SCPP7-LW	GCTC	CGGGCAGAAA	AAGCGTGGAA	ATT	TTTACCCCTA	TGACTT	CAGT	TGGCAC...	CAGGACCA	ACAAAT	TGTT	CCCT					308	
SCPP7-C1'CC	CTTG	AGGGCAGAGAACG	TGAA	ATTGAA	GTT	CTG	TACCCATT	TCGGCTT	TCCTCAAG	CTGTT	CCAGCT	CCCCCTG	TGCTTT	CC	TGC	308		
SCPP7-C2'CC	CCCG	CAGGCCAAAGA	AAGT	TTGAA	GTT	CTG	TACCCATT	TCAGCTT	CCCTCAAC	CTGCTCC	CCAGCTG	TGCC	CCAGCTG	TGTT	CCAGC	308		
SCPP7-C1'SG	CCCGG	AGGCCAGAGAA	AGCTT	TTGAA	GTT	CTG	TACCCATT	CGACTT	CCCTCAAGCT	CTGCTCC	CCAGCTG	TGCC	CCCTGCT	TGTT	CCAGC	308		
SCPP7-C2'SG	CCCG	CAGGCCAAAGA	AAAGT	GTGTT	GAAGTT	TTG	TACCCATT	CAAGCT	CCCTCAAC	CTGCTCC	CCAGCTG	TGCC	CCCTGCT	TGTT	CCAGC	308		
SCPP7-C1'SA	CCCGG	AGGCCAGAGAA	AGCTT	TTGAA	GTT	CTG	TACCCATT	CGGCTT	TCCTCAAGCT	CTGCTCC	CCAGCTG	TGCC	CCCTGCT	TGTT	CCAGC	308		
SCPP7-C2'SA	CCCG	GAGGCCAAAGA	AAAGT	GTTGTT	GAAGTT	TTG	TACCCATT	CCGCTT	TCCTCAAC	CTGCTCC	CCAGCTG	TGCC	CCCTGCT	TGTT	CCAGC	308		
SCPP7-C1'SR	CCCG	GAGGCCAGAGAA	AGCTT	TTGAA	GTT	CTG	TACCCATT	CGGCTT	TCCTCAAGCT	CTGCTCC	CCAGCTG	TGCC	CCCTGCT	TGTT	CCAGC	311		
SCPP7-C2'SR	CCCG	CAGGCCAAAGA	AAAGT	GTTGTT	GAAGTT	TTG	TACCCATT	CAAGCT	CCCTCAAC	CTGCTCC	CCAGCTG	TGCC	CCCTGCT	TGTT	CCAGC	308		

	315	320	325	330	335	340	345	350	355	360	365	370	375	380	385	390	
<i>conservation</i>	*	*	*	!	*	*	*	!	*	*	*	**	*	*	*	**	
<i>SCPP7'PN</i>	T	G	T	T	C	C	T	G	A	C	A	G	C	A	G	G	391
<i>SCPP7'PP</i>	T	G	C	C	C	A	G	T	T	G	C	A	G	C	T	T	370
<i>SCPP7'AM</i>	C	G	C	A	C	C	T	G	T	G	C	C	G	G	C	T	373
<i>SCPP7'CI</i>	T	G	T	C	C	A	G	T	G	G	A	C	C	G	G	C	369
<i>SCPP7'DR</i>	T	G	C	C	C	A	G	T	G	C	C	C	G	G	C	T	385
<i>SCPP7-LW</i>	G	A	T	A	C	T	C	A	A	T	T	G	C	A	C	T	369
<i>SCPP7-C1'CC</i>	T	G	T	T	C	C	T	G	C	C	T	G	T	G	A	T	388
<i>SCPP7-C2'CC</i>	T	G	T	T	C	G	T	C	C	T	G	C	C	C	T	T	388
<i>SCPP7-C1'SG</i>	T	G	T	T	C	G	T	C	C	T	G	C	A	C	C	T	342
<i>SCPP7-C2'SG</i>	T	G	T	T	C	G	C	C	C	G	A	C	C	G	C	T	382
<i>SCPP7-C1'SA</i>	T	G	G	C	C	T	G	T	C	A	G	T	A	A	T	G	354
<i>SCPP7-C2'SA</i>	T	G	T	T	C	G	C	C	C	G	A	T	A	G	T	G	382
<i>SCPP7-C1'SR</i>	T	G	T	T	C	G	C	C	C	G	A	T	G	A	C	T	345
<i>SCPP7-C2'SR</i>	T	G	T	T	C	G	C	C	C	G	A	G	T	G	A	T	369

	395	400	405
<i>conservation</i>	*	**	
<i>SCPP7'PN</i>	ACC	A	GACTAA
<i>SCPP7'PP</i>	ATC	A	GACTAA
<i>SCPP7'AM</i>	ATG	A	ACGAT...
<i>SCPP7'CI</i>	.....	....	369
<i>SCPP7'DR</i>	ATC	A	GATGACTAA
<i>SCPP7-LW</i>	.....	....	369
<i>SCPP7-C1'CC</i>	ATC	A	GACTAA
<i>SCPP7-C2'CC</i>	CAA	A	TCAGAC...
<i>SCPP7-C1'SG</i>	.....	....	342
<i>SCPP7-C2'SG</i>	ATC	A	GACTAA
<i>SCPP7-C1'SA</i>	.....	....	354
<i>SCPP7-C2'SA</i>	ATC	A	GACTAA
<i>SCPP7-C1'SR</i>	.....	....	345
<i>SCPP7-C2'SR</i>	.....	....	369

 non conserved
 ≥ 55% conserved
 ≥ 85% conserved