		2390		2400	2410		2420		2430	2440	2450
Marchantia_polymorpha_Mapoly00 Marchantia_paleacea_onekp:IHWO Marchantia_emarginata_onekp:TF		GATGCT - GATGCT -		T T G T A C T T G T A C	G A C G A C	A (CTTGGC	CACCA- CACCA-		GCGTCGGA GCGTCGGA	CAAAA CAAAA
Naronania_gunata_ineta_inita_i	A G G A T O A G <mark>G</mark> A A O	GATACG GATGCA GATGCT GGTGGAC	'	T T G T A C	GAA GAC GAC	T (CTTGGC CTTGGC CATGGC GGCCAC	CGCCTA	TCGA TCGA GCTCTA GCTCTA	G C G T T G G A G T G T C G G A G C G T T G G A G C G T T G G A	CAAAA CAGAA CAAAT CAACAGTC CAACAGTC
	CGAAC ATGAC CTGTGC	G A C G G G C G A A G G T C G C T G G G C	CAGGG AGGA AGGC	T T G T A T T T G T A T T G T T C	GATCCG GATTCC GACTCGC	GCGT CGTCGA	CGTGGT CTTGGC CCTGGC	CACCT CTGCT CGCCC	TCGA	G C G T T G G A G C G T T G G G	CTGCAATC ATCGAAAC CATCAGTC CTCATGTC
Marchantia_polymorpha_Mapoly00				2470	2480		2490 GAAGCG			2510	
Marchantia_paleacea_onekp:IHWO Marchantia_emarginata_onekp:TF Conocephalum_conicum_onekp:ILI Lunularia_cruciata_onekp:TXVB_	BCCACG	CCTTGGA	TTCGG TCCGG	TACCGG	A G A C C <mark>G A</mark> A A A C C <mark>G A</mark>	TTCTAG TTCCCG CTCCAG	G A A G C G G C G G A A G C G	A T T T C T A T T T C T	C C A G A T C C A G A T G C A C A T	G A G T C T G - G A G T C T G -	
Riccia_berychiana_onekp:WJLO_s Barbilophozia_barbata_onekp:OF Odontoschisma_prostratum_onekp Calypogeia_fissa_onekp:RTMU_sc	CCAATC CATCT CATCT TCTCT	CCTTGGA CCGTTGA CCGTTGA CTGCGGA	TCCGG CCTAG TCTTG CGTAG	T A C C G G T G A C T G T T A C T G T T C C T G	A	T T C C A G (C T C G A G (C T C G A G (C T C G A G (G A A G C G G A A G C G	A T T T C T A T T T C T A T T T C T	GCAGAT GCAGAT	G A G T A <mark>T C</mark> - G A G T A <mark>T C</mark> -	G G G C A A G G A C A A G G A C A A G G C A A
Porella_pinnata_onekp:UUHD_sca Metzgeria_crassipilis_onekp:NR Pellia_neesiana_onekp:JHFI_sca	TATCTO	C A T G G A T C A G C A G A T A T C C G C T O	TCTAG	TGCCCG	G G G A <mark>C</mark> G A	C T C G A G C T C C C G G T C A A G	A A G C G G A A G C G A A G C G	TTTCT TTTCT TTTCT		GAGCCTC-	GGGCAA GGACAG CAGGGCAA
Marchantia_polymorpha_Mapoly00		2530		2540				GACACG	2570	2580	2590
Marchantia_paleacea_onekp:IHWO Marchantia_emarginata_onekp:TF Conocephalum_conicum_onekp:ILI Lunularia_cruciata_onekp:TXVB_	C	CCAGC CCAGT CCAGC CCAGC	G A T A - G A T A - G A T A - G A T A - G A T A -	- C A A A - C G A A	T C A C A A G T C A C A A G T A A C A A A	CGCCTG	C A T T T G C C A T T T G C C A T T T G C C A T T T G C	G A C A C G G A T A C G G A T A C G G A T A C G	TCTCCA TCTCCT TCTCAA ACTCCA	A A C G T G C A A A T G T G C A A A T T T G C A A G T G T G C A	G A C A A G A C A A G A C G A G A C G A G A C A A
Riccia_berychiana_onekp:WJLO_s Barbilophozia_barbata_onekp:OF Odontoschisma_prostratum_onekp Calypogeia_fissa_onekp:RTMU_sc	C	CCAGC CCAGC CCAGC	A A C A A A A C A A A A C A A	CTAA CACCTC TACCTC CTC	A C A C A A G A C A C A A G A C A C A A G A C A C A A G	CGCCTC CGCCTC CGCCTC	C A T A T G C C A T A T G C	GAGA GAGA GAGA	- CTCAG - CTCAG	A A T G G <mark>G C A</mark> A A T G G G C A A A T G G G C A	
Porella_pinnata_onekp:UUHD_sca Metzgeria_crassipilis_onekp:NR Pellia_neesiana_onekp:JHFI_sca	C	GAACAGC	G A <mark>C</mark> A A	CACCTC CACCTC TCTGTC	A C A C A A G A C A C A A G A C A C A A G A C A C A A G	CGCCTC	CATATGO CATTTGO CA <mark>CA</mark> TGO	G A A A G A G A G A A A C T	- CTCAA	A A TGGGCA A A TGGGCA GCCGG <mark>G</mark> CA	G A C A G T T G G A C A G T T G A A C A G C A G
Marchantia_polymorpha_Mapoly00	GGTT	2600 GCGCCTA	CCACT	2610 CTAAAG	2620 	CCTCAT	2630 GGGCCT	сттстс		2650	
Marchantia_paleacea_onekp:IHWO Marchantia_emarginata_onekp:TF Conocephalum_conicum_onekp:ILI Lunularia_cruciata_onekp:TXVB_	CGGTTC	G C G C C T G (G C G C C T A (G C G C C T G (CCACT CCACT	C T A A A G C T T A A G C T A A A G	CGCTCAT CGCTCAT CGCTCAT CGCTCAT CGCTCAT	CCTCATO CCTCATO CCTCATO	GGGCCT GGGCCT GGGCCT GGGCCT GGGCCT	CTTCTC CTTCTC CTTCTC	T C A C A T T C A C A T T C A C A T	CCACCTGT CCACCTGT CCACCTGT CCACCTGT	T C T A A G A C T C G A A G A C C G A A G A C
Riccia_berychiana_onekp:WJLO_s Barbilophozia_barbata_onekp:OF Odontoschisma_prostratum_onekp Calypogeia_fissa_onekp:RTMU_sc Porella_pinnata_onekp:UUHD_sca	CGGTTC	CCGCCTG CCGCCTG CCGCCTG	TCCCC CCTCC CCTCC	C T C A A G C T C A A G C T C A A G	CGCTCAT CGCTCAT CGCTCAT CGCTCAT	С <mark>С Т С А Т (</mark> С <mark>С Т С А Т (</mark> С <mark>С Т С А Т (</mark>	GGGCCT	CTTCTC CTTCTC CTTCTC	TCACA TCACAT TCACAT	CCACCTGT CCACCTGT CCACCTGT	T C C A A A G G T C C A A A G G T C C A A G G A
Metzgeria_crassipilis_onekp:NR Pellia_neesiana_onekp:JHFI_sca	CTATG CAATG	CCGCCTG		CTCAAG	CGCTCAT	CCTCAT	GGGCCT	сттстс	T C A C A T T C A C A A	CCACCTGT CCACTGGT ACAACACG	TCCAAGGG TCAAGGC
Marchantia_polymorpha_Mapoly00	TGTAG TGTAG	ACGCCAT ACGCCAT ACGCCAT		2680 CTGGGC CTGGGC	2690 - C T C T / T C T			GTCGAA			2730 TCGGGCCG TCG
Marchantia_emarginata_onekp:TF Conocephalum_conicum_onekp:ILI Lunularia_cruciata_onekp:TXVB_ Riccia_berychiana_onekp:WJLO_s	TGTAG BTGTAG TGTAG TGTAG	A C G C C A T A A C G C C G G T	T A A C C T A A C C T A A T C A A A T T T A A T C T G T C A	C G G G G C C T G G G C	С Т <mark>С</mark> Т С ТСТ	A C C T T A A C C T T A A C C T T A		G T C G A A G T C G A A G T C G A A G T C G A A	T T C A C G T T C G C G T T C A C G T T C A C G T T C G C G	A C A T G C C G A C A T G C C G A C A T G C C G A C A T G C C A	TCGGGCCG TCGGGCCG TCGGGCCG TCGGGCCG
Barbilophozia_barbata_onekp:OF Odontoschisma_prostratum_onekp Calypogeia_fissa_onekp:RTMU_sc Porella_pinnata_onekp:UHDL_sca Metzgeria_crassipilis_onekp:NR Pellia_neesiana_onekp:JHFI_sca	T C A A G C C A A G C C A A G T C A A G T C A A G T C A A G	A C G C C A G T A C T C C A G C A C A C C A A T	TGTCA TGTCA CGTTA TATCG CATCC TATGG	C T G G G T C T G G G T C T G G G T	C T G G C C T C G G G C C C T C G G T C C T C G G G C C C T C G G G C C C A C T A G C C T	T C C G T A A C C G C A A C C T T A	CACAAAA CACGAAA CACGAAA CACGAAA CACGAAA TACGAA CACCAAA	G T C T A G G T C T A G G C T A A	TTCCAG CTCCAG TTCTAG TTCTAG	A C A T G C C G A C A T G C C G A C A C G C C G A C A C G C C G A C A T G C C G	TCGGGCCG TCGGGCCG TCGGGCCG TCGGGCCG TCGGGCCG TCGGGCCG
Marchantia_polymorpha_Mapoly00 Marchantia_paleacea_onekp:IHWO	GCT T T		A A T C T	2750 G A A G C C	2760 GCGAGCC	CGGCAG	GGCAGT	GCGAAC		2790 CAGAGCAT	AGCAGCTC
Marchantia_pareacea_onexp.nrvvo Marchantia_emarginata_onekp:TF Conocephalum conicum onekp:ILI	GCTTT	GAACACC	AATCT	G A A G C C G A A G C C	GCGAGCC		G G C A G T C G G C A G T C		GATCCT	C A G A G C A T C A G A G T A T	AGCAGCTC

Marchania polymorpha_Mapoly00 GCTTTGAA Marchania paleacea onekp:HWO Concephania emarginata onekp:TF GCTTTGAA Concephalum eonicum onekp:LEGCTTTGAA Riccia berychiana onekp:CVLO_s GCTTTGAA Barbilophotai barbata onekp:WLO_s GCTCTCAA Odontoschisma_prostratum_onekp Calypogeia fissa_onekp:RTMU_sca Netzgeria_crassipilis_onekp:HR Netzgeria_crassipilis_onekp:HR Pellia_neesiana_onekp:JHFI_sca