

Table S4 Primers for *Bryum argenteum* and *Physcomitrella patens* real-time RT-PCR

Gene name	Annotation	Primers (5'to3')
PpDCL4 (EF670438.1)	Physcomitrella patens dicer-like 4 mRNA	F: TTGCTGCCAGGGTGGATAAG R: ACACTGCTCCTGCTAACGAC
PpAPB4 (AB675592)	AINTEGUMENTA, PLETHORA and BABY BOOM	F: TCTCATCCTTGTTCCGGTGC R: ATCCCAGCTTTCCGTGTCTG
PpSEC6 (Pp3c8_3920V3.1)	Core exocyst subunit	F: GCTGTTGCCTCTCCCTGATT R: AGCCCTAGCTTGCTCTACCT
PpSTM1 (Pp3c1_27440: L)	STEM CELL-INDUCING FACTOR 1	F: ATACCGAGGAGTGCGACAAC R: TCGTAGGGGAAATTGGTGCG
BaDCL4	Physcomitrella patens dicer-like 4 mRNA	F: CAACTGCTCCACATTGCTCG R: GCAACAGCACAAACACGACAT
BaAPB4	AINTEGUMENTA, PLETHORA and BABY BOOM	F: CACGCCACAACACTACAGGCTA R: CACAACCTCTTTCCGCCTGC
BaSEC6	Core exocyst subunit	F: ACTACGAGACGACATCCCCA R: TTTCGGGAGGCAAGTGAGTC
BaSTM1	STEM CELL-INDUCING FACTOR 1	F: CCGTGCTTCGAGTGGTTTTG R: TCAGAAACCTCCGCCATTCC
Pp-Actin	-----	F: CGGAGAGGAAGTACAGTGTGTGGA R: CTGGGCTCAATTCTAACGGCTGGT
Ba-Tublin	-----	F: ATCACGGAGTTCCAGACCAA R: CCACTGCCGCATTCACAT