

Appendix Primers used for the cloning and characterization of V-H⁺-ATPase

Primer name	Purpose of the Primer	Sequence (5'-3')
ScVHA-B-s		ATG GGN GCN CAR AAR GTN YTN
ScVHA-B-a		WSN ATH TRR WSN ATH CCN CAN
ScVHA-C-s	Full length cloning	ATG GCN GTN TTY AAY GGN GAY
ScVHA-C-a		YTN ATH GGN WSN TRR YTN CCN
ScVHA-H-s		ATG GCN CAN GAY CAR GCN GAR
ScVHA-H-a		WSN WSN YTN CAR AAR CAN TGY
attB1-ScVHA-B		AAAAAGCAGGCT ATGGGTGCTCAGAAAGTTTTGG
attB2-ScVHA-B		AGAAAGCTGGGT TTGAAGCATCCC GACTGTAGTA
attB1-ScVHA-C	Construction of Expression Vectors	AAAAAGCAGGCT ATGGCTGTCTTCAATGGCG
attB2-ScVHA-C		AGAAAGCTGGGT CGGCTCTTGATTGCCAG
attB1-ScVHA-H		AAAAAGCAGGCTATGGCGACAGATCAAGCCG
attB2-ScVHA-H		AGAAAGCTGGGT CTTGCAAAAACTTGCATACTTGGC
attB1-adaptor		GGGGACAAGTTTGTACAAAAAGCAGGCT
attB2-adaptor		GGGGACCACTTTGTACAAGATGGGT
Probe-B-s		GGGTGCTCAGAAAGTTTTGG
Probe-B-a		CTCCATTGTGAGGAAGACCC
Probe-C-s	Blotting analysis	ATGGCTGTCTTCAATGGCG
Probe-C-a		AGCACGGGAAGACAGAATG
Probe-H-s		CGACAGATCAAGCCGAAC
Probe-H-a		CCACGACTGGGATGAGAAG