

	20	30	40	50
hCERT	...GPPVER	CGVLSKWTNY.	IHGNDRWFVVLKN	..NALSY
hFAPP1	GPLGSPEFM	EGVLYKWTNY.	LTGNQPRWFVLDN	..GILSY
hFAPP2	.....M	EGVLYKWTNY.	LSGNQPRWFVLCG	..GILSY
hOSBP1	.....SAR	EGWLFKWTNY.	IKGYQRRWFVLSN	..GLLSY
hORP3	.....PVQK	GFLLKRRKWP	LKGNHKKRFVLDK	..GILKY
hORP4L	.....DSF	EGWLLKWTNY.	LKGYQRRWFVLDN	..GLLSY
hORP6	.....DKH	EGFMLKRRKWP	LKGNHKKRFVLDN	..GMLKY
hORP7	.....ERQ	EGHLLKRRKWP	LKGNHKKRYFVLED	..GILHY
hORP9	.....SIM	EGPLSKWTNV.	MKGNQYRWFVLDY	NAGLLSY
hORP10	.....PAL	EGVLSKYTNL.	LQGNQNYRWFVLD	FEAGILQY
hORP11	.....ENVY	GYLMKYTNL.	VTGNQYRWFVLDN	NEAGLLEY

	60	70	80	90
hCERT	YKSEDETEYGC	R.GSITCLSKAVIT	PHDFDECRFD	DISVN.D
hFAPP1	YDSQDDVCKGSK	.GSIKMAVCEIKV	HSDNTRMELI	IPGE
hFAPP2	YDSPEDAWKGC	.GSIQMAVCEIQV	HSDNTRMDLI	IPGE
hOSBP1	YRSKAEMRHTC	R.GTINLATANIT	VE..DSCNFI	ISNGGA
hORP3	AKSQTDIEREKLH	GCIDVGLSVMSV	KK.SSKCIDL	DTE.E
hORP4L	YRNQGEAHTC	R.GTINLSTAHID	TE..DSCGIL	ITSG.A
hORP6	SKAPLDIQKGKVH	GSIDVGLSVMSI	KK.KARRIDL	DTE.E
hORP7	ATTRQDITKGLH	GSIDVRLSVMSI	NK.KAQRIDL	DTE.D
hORP9	YTSKDKMMRGS	RRGCVRLRGA	VIGIDDED	STFTITVD.Q
hORP10	FVNEQSKHQKPR	.GVLSSLGAVS	LSDEAPHMLV	VYSANG
hORP11	FVNEQSRNQKPR	.GTLQLAGAVI	SPSDEDSHT	FTVNAASG

	100	110	120
hCERT	SVWYLRAQDPD	HROQWIDAI	EQHKTESG....
hFAPP1	QHFYMKAVNAA	ERQRWLVAL	GSSKASLTDTRT
hFAPP2	QYFYLKARSVA	ERQRWLVAL	GSAKACL.....
hOSBP1	QTYHLKASS	SEVERQRWVA	EELAKAKA.....
hORP3	HIYHLKVKSE	EEVFDEWVSK	LRHHRMYR.....
hORP4L	RSYHLKASS	SEVDRQQWIT	AELAKAKA.....
hORP6	HIYHLKVKSQ	DWFDAWVSK	LRHHRLYR.....
hORP7	NIYHLKIKSQ	DLFQSWVAQ	LRAHRLAH.....
hORP9	KTFFHFQARD	ADEREKWIHA	EETILRH.....
hORP10	EMFKLRAAD	AKEKQFWTQ	LRAKAYH.....
hORP11	EQYKLRAAT	DAKERQHWV	SRLOICTQHH.....

Figure S4