

Table S5 Conserved motifs of VcLOB proteins

Motif	Amino Acid Sequence	Length
1	CAACKFLRRRCSQECILAPYF	21
2	CARLRDPVYGCVGLISALQQQVCQLQAEL	29
3	DQPNKFAAVHKVFGASNVSKLLS	23
4	ESQRPDAVNSLVYEA	15
5	YPQDVQSWFQSQNPNIIPQLDPNTASNFGNNPFYGNIGI MNQ	41
6	SGGTLRPIGAGILTPQTDE	19
7	FSSEESGVLISFDGSDSDAKN	21
8	PLDLLADSRQSYIESKDELQS	21
9	MQDPNTYGLEDDQKVTPYVNESRSEKFDQGIYGS YPWM	41
10	VYVESNWDTLSHHTINYPNYNQVAIQTLFPSQSFPS QQET	41
11	AVAQAEILCIQMQQANLIALI	21
12	SWKNITQSLEHTSKNDLKSAACFKLTNV	29
13	QHVRAQLAMCADGCHNQIVDPGYFSPQPEQFGMNLP GDVLV	41
14	VRAEILRYKYREPNSNNPSSYHASLPSSGSVTVAAPPR VVP	41
15	ASEAFRSTQKWYNNNTSTKQS	21