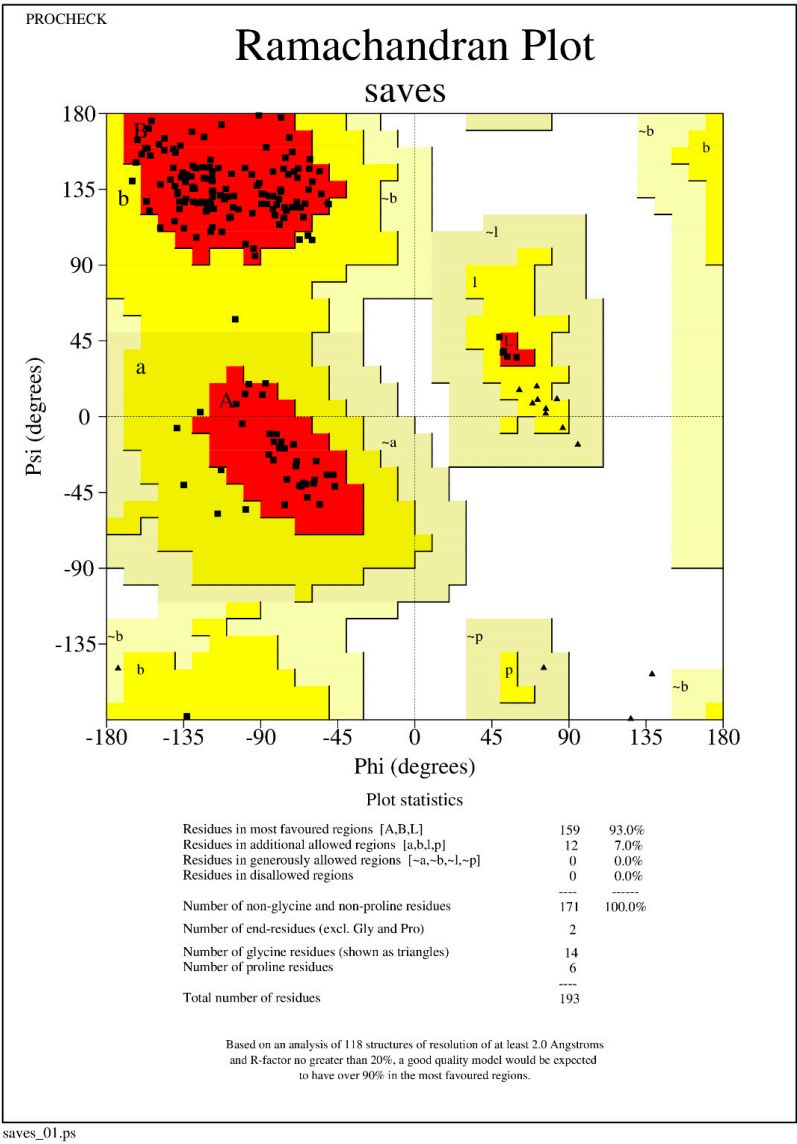


Supplementary Table S1. The primers used in this study.

Primers	Sequence (5'-3')	Purpose
OnSAP-F	GCACTCTTCCAACAATCT	Sequencing
OnSAP-R	CACTCTTCCAACAATCT	Sequencing
EOnSAP-F	CCGGAATTCAATAAAATATTCATCTTCCCACAACAA	Protein expression
EOnSAP-R	CCGAAGCTTCACTCTTCCAACAATCTGAAACTCA	Protein expression
qOnSAP-F	TCTCTGGCTACACCCTCTGCTAT	RT-qPCR
qOnSAP-R	ATCCCTTCAACTTTATTCGCCTTGC	RT-qPCR
T7	TAATACGACTCACTATAGGG	Sequencing
T7t	GCTAGTTATTGCTCAGCGG	Sequencing
β -actin-F	CGAGAGGGAAATCGTGCCTGACA	Control, RT-qPCR
β -actin-R	AGGAAGGAAGGCTGGAAGAGGGC	Control, RT-qPCR



Supplementary Figure S1. Ramachandran PLOT analysis for OnSAP structure verification.