

Supplementary Figure 9

PGS1P6	MMKTHRASWSCLVITLMEVYDLSAIVRTDEAYIT...LYGDEFLLGVRVLGKSLRNTGSKDMVVLVSDGVSDYARNLIRADGWIVETLSLANPVRPFRFVGVTYTKLIFNMIYKRVVY	122
MOCA1	MVR...LKTSLWVLLALVSLQNGSFGSESSKWAYVITLYGDEFLLGVRVLGKSLRNTGSKDMVVLVSDGVSDYARNLIRADGWIVETLSLANPVRPFRFVGVTYTKLIFNMIYKRVVY	122
PGS1P6	LDADTIIVKNIIDDLFKCCKFCANLKHSERLNSGVMVVEPSETLFDNDMMRKYKTLASVTGGDQGFNSYSDFPNARVDFEFLNSPEALKSRPTFCMERLSTLYNADVGLYMLANKWVVDENEIRVI	247
MOCA1	LDADTIIVKNIIDDLFKCSKFCANLKHSERLNSGVMVVEPSEALFDNDMMRKYKTLASVTGGDQGFNSYSDFPNARVDFEFLNSPEALKSRPTFCMERLSTLYNADVGLYMLANKWVVDENEIRVI	247
PGS1P6	HYTLGPLKPDWWTSMILKPVDTQDIRVQLAESLPGTGGGQPKESFLVKFLFLPLCALLIGVHSEL...KNQGSFQRSSLCDHFRHRYKIRSTTPIITISISDSTLSSSHILLNLSQ	367
MOCA1	HYTLGPLKPDWWTSMILKPVDAHSHIRVRLPETLPGTGGGSYQHDELVKKFLFLPLCALLIGVHSEL...RSTQGRGSLQWSSFSNQIRVLYYKVRNSNGLGTVGVS...TMSPSYDPHSINQA	365
PGS1P6	FKVIVYLGSLTGVCFMAAVSLGIALALIPRCVMPWTGLLVYEWTFITFFLLFCGVYHLIYQWKIVASKAVSLSQPGSSDYDSKRRHQASCDATITVYGLGMAFLATAAPSLPVEGTI	492
MOCA1	SKVFOHLAGVSVVVCFTAVLLSLGTSFAIVPRGIMPWTGLLVYEWTFITFFLLFCGVYHLIYQWKIVASKAVSLSQPGSSDYDSKRRHQASCDATITVYGLGMAFLATAAPSLPVEGTI	484
PGS1P6	TALFVRLGLMVGGITLASFMTYASEHLAIVRFLKGLBEWDLARNRITFCFLC.....	544
MOCA1	TALFVRLGLMVGGLTTLASFMTYASEHLAIVRFLKGLBDRRDTTISNSLFCFLC.....	537

Supplementary Figure 9 Alignment of *Arabidopsis* Na⁺ sensor MOCA1 and its homologous gene in peanut. Transmembrane domains were marked by red lines, and the Na⁺ binding region was indicated using *.