

RA	MAAAFSSTVGAPASTPTRSSFLGKKLNKPCVS	AAVTYHGKSSSSNSRFRKAMAAKEVDETKQTDEDRWKGLAYDISDDQQ	79
M53	MAAAFSSTVGAPASTPTRSSFLGKKLNKPCVS	AAVTYHGKSSSSNSRFRKAMAAKEVDETKQTDEDRWKGLAYDISDDQQ	80
RA	DITRGKGLVDNLFQAPMGDGHVAVLSSYDIISCGGQKSYNFDNMMDGFYIAKGFMKLVVHLSKNFMTLPNIKVPLILGI		159
M53	DITRGKGLVDNLFQAPMGDGHVAVLSSYDIISCGGQKSYNFDNMMDGFYIAKGFMKLVVHLSKNFMTLPNIKVPLILGI		160
RA	WGGKGQGGKSFQCELVFAKMGITPIMMSAGELESGNAGEPAKLIRQRYREASDLIKKGKMSCLFINDLDAGAGRMGGTTQY		239
M53	WGGKGQGGKSFQCELVFAKMGITPIMMSAGELESGNAGEPAKLIRQRYREASDLIKKGKMSCLFINDLDAGAGRMGGTTQY		240
RA	TVNNQMVNATLMNIA DNPTNVQLPGMYNKEDNPRVPIIIVTGNDFSTLYAPLIRDGRMEKFYWPAPTREDRIGVCKGIFRTD		319
M53	TVNNQMVNATLMNIA DNPTNVQLPGMYNKEDNPRVPIIIVTGNDFSTLYAPLIRDGRMEKFYWPAPTREDRIGVCKGIFRTD		320
RA	GVDEEHVVQLVDTFPGQSIDFFGALRARVYDDEVRRWVSETGVENIARKLVNSKEGPPTFEQPKITIEKLLEYGHMLVAE		399
M53	GVDEEHVVQLVDTFPGQSIDFFGALRARVYDDEVRRWVSETGVENIARKLVNSKEGPPTFEQPKITIEKLLEYGHMLVAE		400
RA	QENVKRVQLADKYLNEAALGEANEDAMKTGSFFK		433
M53	QENVKRVQLADKYLNEAALGEANEDAMKTGSFFK		434

Fig. 2S. Alignment of the amino acid sequences deduced from the *ZmRCAβ* cDNAs between RA and M53. The number on the right of the sequences indicates the amino acid positions in the *ZmRCAβ* putative protein sequences. Identical amino acids are shown in white characters on a black background.