

**Online Resource 4** Comparison of predicted maize yellow mosaic virus proteins of RSA BR1A and RSA SCM from South Africa and MaYMV Yunnan 11 from China

Protein name	Protein abbreviation	RSA BR1A* vs Yunnan 11 <sup>#</sup>		RSA SCM <sup>&amp;</sup> vs Yunnan 11 <sup>#</sup>		RSA BR1A* vs RSA SCM <sup>&amp;</sup>	
		% AA identity	% AA similarity <sup>^</sup>	% AA identity	% AA similarity <sup>^</sup>	% AA identity	% AA similarity <sup>^</sup>
Suppressor of Silencing	P0	95.8%	96.6%	95.1%	97.0%	94.7%	96.2%
	P1	97.1%	97.7%	96.3%	97.1%	97.9%	98.6%
RNA-dependant RNA polymerase	P1-P2	98.1%	98.7%	98.2%	98.7%	98.8%	99.1%
Coat protein	P3	100%	100%	100%	100%	100%	100%
Movement protein	P4	98.4%	98.4%	99.0%	99.0%	99.5%	99.5%
Readthrough domain protein	P3-P5	96.5%	97.9%	96.5%	97.7%	98.5%	99.1%

\* Amino acid sequences from MaYMV RSA BR1A (Genbank Accession MG570477)

<sup>#</sup> Amino acid sequences from MaYMV Yunnan 11 (Genbank Accession KU248489)

<sup>&</sup> Amino acid sequences from MaYMV RSA SCM (Genbank Accession MN943641)

<sup>^</sup>Amino acid similarity based on BLOSUM62