

Supplementary

Selection of Specific Peptides for *Coccidioides* spp. Obtained from Antigenic Fractions through SDS-PAGE and Western Blot Methods by the Recognition of Sera from Patients with Coccidioidomycosis

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Table S2. Peptides of *Coccidioides* spp. corresponding to the 100 kDa band.

Peptide	Specie	Accession
ISVSNIVVDQCSK	proline-rich antigen [<i>Coccidioides posadasii</i> C735 delta SOWgp]	XP_003069153.1
	proline-rich antigen [<i>Coccidioides immitis</i> RS]	XP_001240075.1
	proline rich antigen 2 [<i>Coccidioides immitis</i> RS]	XP_001239939.1
	proline rich antigen 2 [<i>Coccidioides posadasii</i> C735 delta SOWgp],	XP_003067448.1
	proline-rich-antigen, partial [<i>Coccidioides posadasii</i>],	AFL65837.1
	proline-rich-antigen, partial [<i>Coccidioides posadasii</i>],	AFL65836.1
	proline-rich antigen, partial [<i>Coccidioides immitis</i>],	AFR78204.1
	proline-rich antigen, partial [<i>Coccidioides posadasii</i>],	AFR78201.1
	proline-rich antigen, partial [<i>Coccidioides posadasii</i>],	AFL65860.1
	Prp 2 CRoW domain <i>Coccidioides posadasii</i> ,	AAP84614.1
	Ag2/Pra CRoW domain	AAP84613.1
NIIYVATLGSSPSIR	secreted dipeptidyl peptidase [<i>Coccidioides posadasii</i> str. Silveira],	EFW16303.1
	dipeptidyl-peptidase 5 [<i>Coccidioides posadasii</i> RMSCC 3488],	KMM67819.1
	Dipeptidyl-peptidase V precursor, putative [<i>Coccidioides</i>	XP_003070019.1 XP_001242886.1

	<i>posadasii</i> C735 delta SOWgp], secreted dipeptidyl peptidase [<i>Coccidioides immitis</i> RS], dipeptidyl-peptidase V [<i>Coccidioides immitis</i> RMSCC 2394], dipeptidyl-peptidase V [<i>Coccidioides immitis</i> H538.4]	KMP03935.1 KMU86093.1
VLVTGTSLWSNTLYYTTGPR	secreted dipeptidyl peptidase [<i>Coccidioides posadasii</i> str. Silveira], dipeptidyl-peptidase 5 [<i>Coccidioides posadasii</i> RMSCC 3488], Dipeptidyl-peptidase V precursor, putative [<i>Coccidioides posadasii</i> C735 delta SOWgp], secreted dipeptidyl peptidase [<i>Coccidioides immitis</i> RS], dipeptidyl-peptidase V [<i>Coccidioides immitis</i> RMSCC 2394], dipeptidyl-peptidase V [<i>Coccidioides immitis</i> H538.4]	EFW16303.1 KMM67819.1 XP_003070019.1 XP_001242886.1 KMP03935.1 KMU86093.1
NVGSVSSYSFLGR	secreted dipeptidyl peptidase [<i>Coccidioides posadasii</i> str. Silveira], dipeptidyl-peptidase 5 [<i>Coccidioides posadasii</i> RMSCC 3488], Dipeptidyl-peptidase V precursor, putative [<i>Coccidioides posadasii</i> C735 delta SOWgp], secreted dipeptidyl peptidase [<i>Coccidioides immitis</i> RS], dipeptidyl-peptidase V [<i>Coccidioides immitis</i> RMSCC 2394], dipeptidyl-peptidase V [<i>Coccidioides immitis</i> H538.4]	EFW16303.1 KMM67819.1 XP_003070019.1 XP_001242886.1 KMP03935.1 KMU86093.1
QEVQAWIVKPFNDPNKK	secreted dipeptidyl peptidase [<i>Coccidioides posadasii</i> str. Silveira], dipeptidyl-peptidase 5 [<i>Coccidioides posadasii</i> RMSCC 3488], Dipeptidyl-peptidase V precursor, putative [<i>Coccidioides posadasii</i> C735 delta SOWgp], secreted dipeptidyl peptidase [<i>Coccidioides immitis</i> RS], dipeptidyl-peptidase V [<i>Coccidioides immitis</i> H538.4], dipeptidyl-peptidase V [<i>Coccidioides immitis</i> RMSCC 2394]	EFW16303.1 KMM67819.1 XP_003070019.1 XP_001242886.1 KMU86093.1 KMP03935.1
NIIYVATLGSSPSIR	secreted dipeptidyl peptidase [<i>Coccidioides posadasii</i> str.	EFW16303.1

	Silveira], dipeptidyl-peptidase 5 [<i>Coccidioides posadasii</i> RMSCC 3488], Dipeptidyl-peptidase V precursor, putative [<i>Coccidioides posadasii</i> C735 delta SOWgp], secreted dipeptidyl peptidase [<i>Coccidioides immitis</i> RS], dipeptidyl-peptidase V [<i>Coccidioides immitis</i> RMSCC 2394], dipeptidyl-peptidase V [<i>Coccidioides immitis</i> H538.4],	KMM67819.1 XP_003070019.1 XP_001242886.1 KMP03935.1 KMU86093.1
QEVQAWIVKPENFDPNKK	secreted dipeptidyl peptidase [<i>Coccidioides posadasii</i> str. Silveira], dipeptidyl-peptidase 5 [<i>Coccidioides posadasii</i> RMSCC 3488], Dipeptidyl-peptidase V precursor, putative [<i>Coccidioides posadasii</i> C735 delta SOWgp], secreted dipeptidyl peptidase [<i>Coccidioides immitis</i> RS], dipeptidyl-peptidase V [<i>Coccidioides immitis</i> H538.4], dipeptidyl-peptidase V [<i>Coccidioides immitis</i> RMSCC 2394]	EFW16303.1 KMM67819.1 XP_003070019.1 XP_001242886.1 KMU86093.1 KMP03935.1
TPQLVIHNDLDFR	secreted dipeptidyl peptidase [<i>Coccidioides posadasii</i> str. Silveira], dipeptidyl-peptidase 5 [<i>Coccidioides posadasii</i> RMSCC 3488], Dipeptidyl-peptidase V precursor, putative [<i>Coccidioides posadasii</i> C735 delta SOWgp], secreted dipeptidyl peptidase [<i>Coccidioides immitis</i> RS], dipeptidyl-peptidase V [<i>Coccidioides immitis</i> RMSCC 2394]	EFW16303.1 KMM67819.1 XP_003070019.1 XP_001242886.1 KMP03935.1
NGLDVFLNIPYGQDTSGEHR	lipase, putative [<i>Coccidioides posadasii</i> C735 delta SOWgp], acetylcholinesterase [<i>Coccidioides posadasii</i> str. Silveira], hypothetical protein CIMG_00118 [<i>Coccidioides immitis</i> RS], carboxylesterase 2 [<i>Coccidioides immitis</i> RMSCC 3703], carboxylesterase 2 [<i>Coccidioides immitis</i> H538.4]	XP_003066793.1 EFW18154.1 XP_001246347.2 KMU75838.1 KMU88343.1

Table S3. Peptides of *Coccidioides* spp. corresponding to the 50 kDa band.

Peptide	Specie	Accession
DAITLANHAK	CHA1 [<i>Coccidioides posadasii</i>]	XP_003070371.1
PSGEVIGNLDR	CHA1 [<i>Coccidioides posadasii</i> , hypothetical protein CIMG_08329 [<i>Coccidioides immitis</i>],	XP_003070371.1 XP_001241166.1
ETNVDGIIGPVAVPAAAR	acetamidase [<i>Coccidioides immitis</i> , acetamidase, putative [<i>Coccidioides posadasii</i> , hypothetical protein CISG_07260 [<i>Coccidioides immitis</i>]	KMP01873.1 XP_003065414.1 XP_001248096.1 KMU79093.1
NIIYVATLGSSPSIR	secreted dipeptidyl peptidase [<i>Coccidioides posadasii</i> , <i>C. immitis</i>], dipeptidyl-peptidase 5 [<i>Coccidioides posadasii</i> , <i>C. immitis</i>]	EFW16303.1 KMM67819.1 XP_003070019.1 XP_001242886.1 KMP03935.1 KMU86093.1
NEWVIDLESSK	secreted dipeptidyl peptidase [<i>Coccidioides posadasii</i> , <i>C. immitis</i>], dipeptidyl-peptidase 5 [<i>Coccidioides posadasii</i> , <i>C. immitis</i>]	EFW16303.1 KMM67819.1 XP_003070019.1 XP_001242886.1 KMP03935.1 KMU86093.1

Table S4. Peptides of *Coccidioides* spp. corresponding to the 37 kDa band.

Peptide	Specie	Accession
NIVITDYSTGK	hypothetical protein CPAG_01767 [<i>Coccidioides posadasii</i> RMSCC 3488]	KMM65416.1
	Glycosyl hydrolase family 16 protein [<i>Coccidioides posadasii</i> C735 delta SOWgp]	XP_003066044.1
	cell wall glucanase [<i>Coccidioides immitis</i> RS]	XP_001247331.1
	hypothetical protein CISG_03166 [<i>Coccidioides immitis</i> RMSCC 3703]	KMU72732.1
	conserved hypothetical protein [<i>Coccidioides posadasii</i> str. Silveira]	EFW21954.1
	ice nucleation protein [<i>Coccidioides immitis</i> H538.4]	KMU83540.1
ETNVDGIIGPVAVPAAAR	acetamidase [<i>Coccidioides immitis</i> RMSCC 2394],	KMP01873.1
	acetamidase, putative [<i>Coccidioides posadasii</i> C735 delta SOWgp],	XP_003065414.1
	acetamidase [<i>Coccidioides immitis</i> RS],	XP_001248096.1
	hypothetical protein CISG_07260 [<i>Coccidioides immitis</i> RMSCC 3703]	KMU79094.1
LPADQAINNADTFAIYAADSYR	metalloproteinase 4 [<i>Coccidioides immitis</i> RS]	XP_001246737.2
EASKDDANVSVQLSAVGNTMVK	neutral protease 2 precursor, putative [<i>Coccidioides posadasii</i> C735 delta SOWgp], metalloproteinase 4 [<i>Coccidioides posadasii</i>],	XP_003066497.1
	neutral protease 2 [<i>Coccidioides immitis</i> RMSCC 3703],	
	neutral protease 2 [<i>Coccidioides immitis</i> H538.4],	
	neutral protease 2 [<i>Coccidioides posadasii</i> RMSCC 3488],	
	metalloproteinase 4 [<i>Coccidioides immitis</i> RS]	
LPADQAINNADTFA	neutral protease 2 precursor, putative [<i>Coccidioides posadasii</i> C735 delta SOWgp],	XP_003066497.1
	metalloproteinase 4 [<i>Coccidioides posadasii</i>],	AAV45754.1
	neutral protease 2 [<i>Coccidioides immitis</i> RMSCC 3703],	KMU76812.1
	neutral protease 2 [<i>Coccidioides immitis</i> H538.4],	KMU84566.1
		KMM66042.1

	neutral protease 2 [<i>Coccidioides posadasii</i> RMSCC 3488], metalloproteinase 4 [<i>Coccidioides immitis</i> RS]	XP_001246737.2
LPADQAINNADTFAIYAA	neutral protease 2 precursor putative [<i>Coccidioides posadasii</i> C735 delta SOWgp], metalloproteinase 4 [<i>Coccidioides posadasii</i>], neutral protease 2 [<i>Coccidioides immitis</i> RMSCC 3703], neutral protease 2 [<i>Coccidioides immitis</i> H538.4], neutral protease 2 [<i>Coccidioides posadasii</i> RMSCC 3488], metalloproteinase 4 [<i>Coccidioides immitis</i> RS]	XP_003066497.1 AA_Y45754.1 KMU76812.1 KMU84566.1 KMM66042.1 XP_001246737.2
QYISVISPTYNLIANR	wall-associated proteinase [<i>Coccidioides posadasii</i> str. Silveira], serine proteinase [<i>Coccidioides posadasii</i>], wall-associated proteinase [<i>Coccidioides posadasii</i> RMSCC 3488], wall-associated proteinase precursor [<i>Coccidioides posadasii</i> C735 delta SOWgp], wall-associated proteinase [<i>Coccidioides immitis</i> RS], wall-associated proteinase [<i>Coccidioides immitis</i> RMSCC 3703]	EFW19467.1 CAA44828.1 KMM71928.1 XP_003067238.1 XP_001239683.1 KMU74068.1
VTDNEIHWYANQVVEGAPPMK	serine proteinase [<i>Coccidioides posadasii</i>], Wall-associated proteinase precursor [<i>Coccidioides posadasii</i> C735 delta SOWgp], wall-associated proteinase [<i>Coccidioides immitis</i> RS]	CAA44828.1
AVDPEITEPFR	FAD-dependent oxygenase [<i>Coccidioides posadasii</i> str. Silveira], FAD-dependent oxygenase [<i>Coccidioides immitis</i> RS], hypothetical protein CIRG_05419 [<i>Coccidioides immitis</i> RMSCC 2394], FAD binding domain containing protein [<i>Coccidioides posadasii</i> C735 delta SOWgp], hypothetical protein CIHG_04911 [<i>Coccidioides immitis</i> H538.4]	EFW17327.1 XP_001246156.2 KMP05738.1 XP_003067765.1 KMU86971.1

Table S5. Peptides of *Coccidioides* spp. corresponding to the 28 kDa band.

Peptide	Specie	Accession
ATLPDLPYDYGALE	<i>C. posadasii</i> (superoxide dismutase 2), <i>C. immitis</i> (superoxide dismutase)	KMM64900.1 XP_001247816.1
PDLPYDYGALEPSISGR	superoxide dismutase 2 [<i>Coccidioides posadasii</i> RMSCC 3488], superoxide dismutase [<i>Coccidioides immitis</i> RS]	KMM64900.1 XP_001247816.1
DDKFGSLEEFK	superoxide dismutase 2 [<i>Coccidioides posadasii</i> RMSCC 3488]	KMM64900.1
AFDETNFYFDPK	hypothetical protein CIMG_00536 [<i>Coccidioides immitis</i> RS], hypothetical protein CPC735_056990 [<i>Coccidioides posadasii</i> C735 delta SOWgp], hypothetical protein CISG_05614 [<i>Coccidioides immitis</i> RMSCC 3703]	XP_001246765.2 XP_003066474.1 KMU76781.1
IPLALFNVDPR	hypothetical protein CIMG_00536 [<i>Coccidioides immitis</i> RS], hypothetical protein CPC735_056990 [<i>Coccidioides posadasii</i> C735 delta SOWgp]	XP_001246765.2 XP_003066474.1
PLALFNVDPR	hypothetical protein CIMG_00536 [<i>Coccidioides immitis</i> RS], hypothetical protein CPC735_056990 [<i>Coccidioides posadasii</i> C735 delta SOWgp]	XP_001246765.2 XP_003066474.1
LALFNVDPR	hypothetical protein CIMG_00536 [<i>Coccidioides immitis</i> RS], hypothetical protein CPC735_056990 [<i>Coccidioides posadasii</i> C735 delta SOWgp]	XP_001246765.2 XP_003066474.1
PALSGTATFDLK	hypothetical protein CPAG_01767 [<i>Coccidioides posadasii</i> RMSCC 3488], Glycosyl hydrolase family 16 protein [<i>Coccidioides posadasii</i> C735 delta SOWgp], cell wall glucanase [<i>Coccidioides immitis</i> RS], conserved hypothetical protein [<i>Coccidioides posadasii</i> str. Silveira]	KMM65416.1 XP_003066044.1 XP_001247331.1 EFW21954.1
TVTPNDGNAR	hypothetical protein CPAG_01767 [<i>Coccidioides posadasii</i> RMSCC 3488], Glycosyl hydrolase family 16 protein [<i>Coccidioides posadasii</i> C735 delta SOWgp],	KMM65416.1 XP_003066044.1

	cell wall glucanase [<i>Coccidioides immitis</i> RS], hypothetical protein CISG_03166 [<i>Coccidioides immitis</i> RMSCC 3703], conserved hypothetical protein [<i>Coccidioides posadasii</i> str. Silveira]	XP_001247331.1 KMU72732.1 EFW21954.1
VTYEEVASSLCGLK	allergen Asp f 15 [<i>Coccidioides immitis</i> RMSCC 3703], CS antigen [<i>Coccidioides posadasii</i> C735 delta SOWgp], heat-stable antigen [<i>Coccidioides immitis</i> RS]	KMU74303.1 XP_003065978.1 XP_001247410.1
TIFLTAIDHSNSGFNIAK	19 kDa antigen [<i>Coccidioides posadasii</i>], allergen Asp f 15 [<i>Coccidioides immitis</i> RMSCC 3703], CS antigen [<i>Coccidioides posadasii</i> C735 delta SOWgp], heat-stable antigen [<i>Coccidioides immitis</i> RS]	AAB00101.1 KMU74303.1 XP_003065978.1 XP_001247410.1
FLTAIDHSNSGFNIAK	19 kDa antigen [<i>Coccidioides posadasii</i>], allergen Asp f 15 [<i>Coccidioides immitis</i> RMSCC 3703], CS antigen [<i>Coccidioides posadasii</i> C735 delta SOWgp], heat-stable antigen [<i>Coccidioides immitis</i> RS]	AAB00101.1 KMU74303.1 XP_003065978.1 XP_001247410.1
EIALWFSEGELIK	nucleoside diphosphate kinase [<i>Coccidioides immitis</i> RS]	XP_001242666.1
IVQSDAATLVR	acetamidase [<i>Coccidioides immitis</i> RMSCC 2394], acetamidase, putative [<i>Coccidioides posadasii</i> C735 delta SOWgp], acetamidase [<i>Coccidioides immitis</i> RS]	KMP01873.1 XP_003065414.1 XP_001248096.1
VYFDISIGNR	peptidyl-prolyl cis-trans isomerase D [<i>Coccidioides immitis</i> H538.4], 41 kDa peptidyl-prolyl cis-trans isomerase, putative [<i>Coccidioides posadasii</i> C735 delta SOWgp], peptidyl-prolyl cis-trans isomerase [<i>Coccidioides immitis</i> RS]	KMU86947.1 XP_003067748.1 XP_001246138.1
