

		10	20	30	40	50	60	70	80		
Laccaria_bicolor_B0DPJ7	1	KPKLKEINPL	ILPA	AWSVLRWC	V..AS	...CTAYI	.....	EET	.....	34	
Phanerochaete_chrysosporium_8174	1	KKRLQDIDPK	VPAA	AWLVLRWC	V..AS	...CTAHL	.....	EELK	.....	34	
Magnaporthe_grisea_A4R2D2	1	...FLKKTNPSSVKGMSQ	VIAPTAT	LLEWIV	..AT	...NRSLLI	.....	MCLEDDDDVGPTLDATT	.....	52	
Botryotinia_fuckeliana_A6S9M7	1	LRKWTER	ISPA	ALGLLRWVI	..AS	...NRSC	.....	VQVDKYPCQVDSVLTD	.....	44	
Cryphonectria_parasitica_38809	1	...YLELNPLATLRNCPD	ITPA	ALTLLKWIV	..AS	...NRSCI	.....	LQI	.....	38	
Penicillium_marneffei_B6Q3H5	1	.....	PAALD	LLRWIV	..AS	...KRSCI	.....	MQVDVDTAEQGEGT	...	31	
Talaromyces_stipitatus_B8M6M3	1	.....	IPPA	ALDLLRWIV	..AS	...NRSCI	.....	VQDGTAFGQSGGT	...	33	
Mycosphaerella_fijiensis_16474	1	.....	IERISPS	ALSLLRWII	..AS	...NRSCI	.....	MQVDGDETGTASNGSKK	...	40	
Phaeosphaeria_nodorum_Q0UPJ2	1	.....	VDR	LPPAVLGLLRWII	..AS	...NRACI	.....	VQVENEDDSSSGR	...	36	
Pyrenophora_tritici-repentis_B2VYK4	1		VDR	LSPA	AVGLLRWVI	..AS	...NRACI		LQVDDGDPANGR	...	35
Alternaria_brassicicola_AB0502	1		SQFPLSAW	VDR	LSPTVLGLLRWVI	..AS	...NRACI		LQVDSEESASNGR	...	44
Cochliobolus_heterostrophus_30785	1		VDR	LPSA	ALGVLRWII	..AS	...NRACI		LQVDEGDSPSGR	...	35
Aspergillus_terreus_Q0CPK4	1	ITNGSSNNVN	RALSSW	HDRVSPA	ALYVLRWVI	..AS	...NRPCI		LYHD	...	43
Neosartorya_fischeri_A1CVV6	1		DV	ISPA	ALDVLRWVV	..AS	...NRSFI		LEDDTT	...	28
Aspergillus_fumigatus_Q4WQT4	1		DV	ISPA	ALDVLRWVV	..AS	...NRSFI		LEDDTT	...	28
Aspergillus_clavatus_A1CIW1	1		DA	ISPA	ALDMLRWVV	..AS	...NRSFI		KKDNDD	...	28
Microsporium_canis_C5FD62	1	..ENPRGS	QRTLAQ	WKDK	ISKS	ALDILRWIV	..AS	...NRSCI		IQDDPDPIGDDTVSPP	52
Ajellomyces_dermatitidis_C5KOM	1	.....	ISKS	ALDVLRWIV	..AS	...NRSCI	.....	IQDGGTADSAY	.....	32	
Chlorella_sp_NC64A_142217	1		PPAGPLAAALD	LSRQ	QASLLHWLL	..TH	...SQRPV		GGVR	...	36
Chlamydomonas_reinhardtii_408636	1		PPA	ALGVLTWLL	LHPA	...RRRH	FGVLVSLG	EMLRQLRQ	AGGGG	GGASGGGSGGVMG	56
Volvox_carteri_107792	1	.....	PPSVL	GLLKWML	..LNPS	RRRRFT	...TTL	...GDMVR	HLRQRAAAG	40	
Daphnia_pulex_187911	1	.....	PDPQLTTF	MKTFF	..LN	...HNQQ	...SL	ISV	...EELKRQ	31	
Trichoplax_adhaerens_B3RSW6	1	.....	ELLQEETR	LSAHS	IELEWLLVED	S...TFVHL	...KIL	PNTKLEELL	...	42	
Ixodes_scapularis_B7Q2N5	1	.....	LLRWV	..TS	...GGVR	...RS	...	...	...	15	
Ciona_intestinalis_376237	1	.....	DH	INPKS	IRLLKWVI	..NP	...KTFHL	...TLADNK	...	28	
Helobdella_robusta_67096	1	.....	SYLNREGQ	LDVKILK	LLSWIF	..NS	...KKFI	...KSCDMQVFSE	...	38	
Nematostella_vectensis_A7SF57	1	.....	...	LKKFDV	..KTL	...DKSMF	...QET	EKK	...	20	
Danio_rerio_Q6NX05	1	.....	...	LSSKSF	AV..KTL	...QKEEF	...ARL	...	...	19	
Homo_sapiens_PAR16	1		DNH	KRAWD	LVSWIL	..SS	...KVL	TT	...HSAGKA	EFEKIQL	35
Xenopus_laevis_A1A620	1	.....	LSDK	LFTVKS	V..KD	...KYEE	...QAI	PG	...	24	
Naegleria_gruberi_81181	1	.....	LHPE	AYEILRWLL	..SC	...KRCA	...VKM	...	...	23	
Naegleria_gruberi_80022	1	.....	KLKER	CDEKHPLVYP	LLRWIL	..AS	...ARVHM	...KKL	...	31	
Lottia_gigantea_53025	1	...MSMFTS	LELKT	NLDVRN	ILAYP	LLQWII	..SS	...NRSHI	...VKL	38	
Branchiostoma_floridae_C3YQ85	1	.....	...	...	VI	..SS	...NRSHI	...VKL	...	12	
Xenopus_tropicalis_A4IGR1	1	...EMTQGS	YLEIKKQMDR	LDPLA	HP	LLQWII	..SS	...NRSHI	...VKL	39	
Homo_sapiens_PARP6	1	...EMTQGS	YLEIKKQMDK	LDPLA	HP	LLQWII	..SS	...NRSHI	...VKL	39	
Gallus_gallus_XP_001232753	1	...EMTQGS	YLEIKKQMDK	LDPLA	HP	LLQWII	..SS	...NRSHI	...VKL	39	
Homo_sapiens_PARP8	1	...EMTQAP	YLEIKKQMDK	QDPLA	HP	LLQWVI	..SS	...NRSHI	...VKL	39	
Danio_rerio_Q08CN1	1	...EMTQAP	YLEIKKQMDR	HDPLA	HP	LLQWVI	..SS	...NRSHI	...VKL	39	
Trichomonas_vaginalis_94489	1	.....	...	LVKWII	..LS	...NRAQI	...YCL	...	...	16	
Trichomonas_vaginalis_A2DLU6	1	.....	...	VKWII	..LS	...NKSHF	...IHL	...	...	15	
Trichomonas_vaginalis_87871	1	.....	...	LLNWII	..LS	...NKSQ	...YEL	...	...	16	
Trichomonas_vaginalis_86141	1	.....	...	LLRWIL	..LT	...NRSQF	...MSL	...	...	16	
Trichomonas_vaginalis_96758	1	.....	...	LIRWIL	..FT	...NKSHF	...MAL	...	...	16	
Trichomonas_vaginalis_90528	1	.....	...	AYNLIRWIL	..LT	...NKSHF	...LAL	...	...	19	
Trichomonas_vaginalis_88521	1	.....	...	AYELIKWIL	..LT	...NKSHF	...LAL	...	...	19	
Nectria_haematococca_83215	1	.....	...	LLSWLC	..LS	...FRGFL	...RSV	...	...	16	
Physcomitrella_patens_A9TVE2	1	.....	KVANL	AYDLMRFIL	..TT	...NRGSI	.....	CQV	FGEDVLKVERS	36	
Homo Sapiens PARP8 Structure			α-helix		α-helix		β-sheet				

Homo Sapiens PARP8 Structure

α-1

α-2

β-sheet

		390	400	410	420	430	440	450	460				
Laccaria_bicolor_BODPJ7	35	.....	SGQEL	TKNLD	PNWR	QFRL	SVGA	PDAAEA	.....	FKTAIEEAVNSDKHAQK	FPVLY	84	
Phanerochaete_chrysosporium_8174	35	.....	DPEDQV	TGFG	TGFR	HFRL	TVGA	PDAAEA	.....	FYKAQEQAQKLEDANAQA	PSIY	84	
Magnaporthe_grisea_A4R2D2	53	VQP	.....	LASLK	TPEMS	DYIQ	FRFAQGS	PDKEER	.....	FRTELNQMGVV	GSKYPTIF	101	
Botryotinia_fuckeliana_A6S9M7	45	KI	.....	RPDQKV	VSQIGENWM	Q	FRFAQGS	PDKEQR	.....	FLNALKEQQANL	DPKYPTLF	94	
Cryphonectria_parasitica_38809	39	.....	RDQEA	IPSMRAGHV	Q	FRFAQGT	PDKELR	.....	FHRLAKEQE	SHEVPTLF	83		
Penicillium_marneffeii_B6Q3H5	32	.....	PCHNLV	TGMN	GYLQ	FRFAQGS	PDKEEK	.....	FVSAVSDNCS	NSKHPTIF	76		
Talaromyces_stipitatus_B8M6M3	34	.....	PRHNLV	TGMD	GYLQ	FRFAQGS	PDKEEK	.....	FVSAVSKNSF	NSKHPTIF	78		
Mycosphaerella_fijiensis_16474	41	PVTVFS	.....	KSQERCYGMK	DYMQ	FRFAMGA	PDKEQR	.....	FINEVRATTDLR	GLQYPTIF	93		
Phaeosphaeria_nodorum_QOUPJ2	37	.....	KAEDAL	YGMT	GWTD	Q	FRFAMGA	PDKERR	.....	FISAVRDT SARL	SLKYPTLF	83	
Pyrenophora_tritici-repentis_B2VYK4	36	.....	KSEERLYGMS	GWAQ	Q	FRFAMGA	PDKERR	.....	FIQAVQQTTSRL	GLQYPTLF	82		
Alternaria_brassicicola_AB0502	45	.....	SPEERLYGMA	GWSQ	Q	FRFAMGA	PDKERR	.....	FIQAVKETTERL	SLKYPTLF	91		
Cochliobolus_heterostrophus_30785	36	.....	KAEGRLYGMG	GWAQ	Q	FRFAMGA	PDKERR	.....	FIEAVRQTKERL	HLKYPTIF	82		
Aspergillus_terreus_Q0CPK4	44	.....	DPEHVMVSGM	GYLQ	Q	FRFAQGA	PDKEAR	.....	FVQAVNAVSTKDGNSQHP	TLF	92		
Neosartorya_fischeri_A1CVV6	29	.....	HSDYRVTGMS	SYKQ	Q	FRLVQGA	PDKEQR	.....	FRAAANAAMT	KTDYPTIF	75		
Aspergillus_fumigatus_Q4WQT4	29	.....	HSDHRVSGMG	SYKQ	Q	FRLVQGA	PDKEQR	.....	FRAAANAAMT	KTDYPTIF	75		
Aspergillus_clavatus_A1CIW1	29	.....	NLEHRVSGMD	SYIQ	Q	FRLVQGA	PDKEQR	.....	FINAVNAKAA	KNHPTLF	73		
Microsporum_canis_C5FD62	53	.....	ANNDRVRGVA	GYMQ	Q	FRFAQGA	PDKEER	.....	FSQAVMAAKERL	QKPHA	99		
Ajellomyces_dermatitidis_C5KOM	33	.....	NDSDRV	SGME	NYMQ	Q	FRFAQGA	PDKEQR	.....	FVQAANAAMT	NLKYPTIF	79	
Chlorella_sp_NC64A_142217	37	.....	RCTLRVQEQ	MPLLTG	WMVDVGRN	PGLR	PHAVLQLSELPRDLV	.....	DGSGQRVL	.....	87		
Chlamydomonas_reinhardtii_408636	57	GVAAGGGGPMVWQ	VPAFA	GHNSPT	FVLRADH	.....	SHT	.....	QEPF	.....	AHGAV	100	
Volvox_carteri_107792	41	GGGGSSSGSDGSWQ	LPSSL	GPNSPA	YILRVHHHNL	PDQ	.....	QQGFSISTTAAATANGTG	SSFCQCDGSGGGVI	.....	111		
Daphnia_pulex_187911	32	.....	VGGQIELQIA	PRWI	.....	FQIDHVS	RSQQT	.....	WERR	.....	KASSS	SFY	69
Trichoplax_adhaerens_B3RSW6	43	.....	TATGFRNGTR	PSLI	.....	FDIIYKG	KSSSSR	.....	FDEL	.....	KSQYGS	SFY	81
Ixodes_scapularis_BTQ2N5	16	.....	RKSHDVPELR	GSHV	DLVFEVEHSAQT	ERR	.....	.....	FASA	.....	GERDVF	.....	56
Ciona_intestinalis_376237	29	.....	EFTLTADID	PPHAPD	YLFKVVYNDK	KSEK	.....	.....	FQQL	.....	AEHSLM	.....	70
Helobdella_robusta_67096	39	.....	IREKACYTFETSPT	.....	YIFSVEHSALSNER	.....	.....	.....	FETL	.....	RNNRNVFY	.....	79
Nematostella_vectensis_A7SF57	21	.....	TGHSSYNSTE	PDYI	.....	FEIQYHNNALNAR	.....	.....	FLAL	.....	SECEVLY	.....	60
Danio_rerio_Q6NX05	20	.....	SQLAQREGVSAPAPD	.....	FLFELQYCDLLNSK	.....	.....	.....	FERT	.....	RAGRDLIY	.....	60
Homo_sapiens_PAR16	36	.....	TGAPHTVPVA	PDFL	.....	FEIEYFD	ANAK	.....	FYET	.....	KGERDLIY	.....	73
Xenopus_laevis_A1A620	25	.....	SPSHALPTPD	.....	FLFELEYCEKLSAK	.....	.....	.....	FQET	.....	RGDRDLIY	.....	60
Naegleria_gruberi_81181	24	.....	PEKKRIQEMQ	TQYQ	.....	YIMMMDN	PEKAAT	.....	FSQN	.....	RKKYGSY	.....	62
Naegleria_gruberi_80022	32	.....	VGKEQLSEMK	TDHQ	.....	YILLSST	PDKERR	.....	FQEL	.....	KKKYGSIL	.....	70
Lottia_gigantea_53025	39	.....	SPNKITSSMA	TPHQ	.....	FLLRSSP	PAKEAK	.....	FCDL	.....	RKQYGS	.....	77
Branchiostoma_floridiae_C3YQ85	13	.....	PESRRILKFMH	TPHQ	.....	FLLRSSP	PAKEQA	.....	FREA	.....	KRQHGS	.....	51
Xenopus_tropicalis_A4IGR1	40	.....	PLSRQLKFMH	TSHQ	.....	FLLRSSP	PAKEAR	.....	FRTA	.....	KKLYGSTF	.....	78
Homo_sapiens_PARP6	40	.....	PLS_RLKFMH	TSHQ	.....	FLLRSSP	PAKEAR	.....	FRTA	.....	KKLYGSTF	.....	77
Gallus_gallus_XP_001232753	40	.....	PLSRQLKFMH	TSHQ	.....	FLLRSSP	PAKEAR	.....	FRTA	.....	KKLYGSTF	.....	78
Homo_sapiens_PARP8	40	.....	PVNRQLKFMH	TPHQ	.....	FLLRSSP	PAKESN	.....	FRAA	.....	KKLFGSTF	.....	78
Danio_rerio_Q08CN1	40	.....	TVTRQLKFMH	TPHQ	.....	FLLRSSP	PAKESN	.....	FRAA	.....	KGLFGSTF	.....	78
Trichomonas_vaginalis_94489	17	.....	PNTLKPSIFN	KDCI	MFMFTLSS	PQKDEN	.....	.....	FNKL	.....	KSSYGSTF	.....	56
Trichomonas_vaginalis_A2DLU6	16	.....	PQQMMLQQIR	SPDH	FLAIIS	PEREYR	.....	.....	FRAL	.....	KARYGSMF	.....	54
Trichomonas_vaginalis_87871	17	.....	SPELRILKQFP	TRHQ	FLTLMS	EERENE	.....	.....	FKAL	.....	KAKYGS	.....	55
Trichomonas_vaginalis_86141	17	.....	NGSLELAELK	GGTAKM	FLALSST	PQKEQR	.....	.....	FREL	.....	QQQYGS	.....	57
Trichomonas_vaginalis_96758	17	.....	PPELRITKEIN	CKYQ	FLTLISN	FEKEAI	.....	.....	FKEY	.....	KKFGS	.....	55
Trichomonas_vaginalis_90528	20	.....	PEGLRITREIN	AQFQ	FLTLISS	TEREEE	.....	.....	FKKL	.....	KDQYGS	.....	58
Trichomonas_vaginalis_88521	20	.....	PNELKITNEIN	ARFQ	FLTLISS	VQKEEE	.....	.....	FKKL	.....	KQYGS	.....	58
Nectria_haematococca_83215	17	.....	PSGFATPSMP	QTQQ	FLLMNSH	HEREKA	.....	.....	FETHLGA	.....	TASAGSGP	.....	58
Physcomitrella_patens_A9TVE2	37	.....	PKSKDAPGES	GIYQ	.....	FVVLHDS	PERAAD	.....	FDHRR	.....	RDAGGSYF	.....	76
Homo Sapiens PARP8 Structure													

		<i>C1</i>		<i>C2</i>		
		170	180	190	200	210
Laccaria_bicolor_BODPJ7	85	AFHGSPLKNWHS	IVRHGLW	YKSVAH	GRAYGDGVYLA	KDAQVSMG
Phanerochaete_chrysosporium_8174	85	GFHGSPLVKNWHS	ITNRALK	IIRNGLW	YKTVAH	GRAYGDGVYFALNAQYSS
Magnaporthe_grisea_A4R2D2	102	AWHGSGLQFNWHS	IIRTGLD	FNTVANG	RAFGNGYFYSQDFATSMG	YAYPGTNF
Botryotinia_fuckeliana_A6S9M7	95	AFHGSGLQFNWHS	IIRHGLD	FKETLNG	GRAYGCVYHQAQDQNTSCH	YSNGRNVAS
Cryphonectria_parasitica_38809	84	AWHGSNLSGSWHS	ILRHGLD	FKNVH	GRAYGCVYYSQQYATSM	YMSRAQ
Penicillium_marneffei_B6Q3H5	77	AWHGSRLSNWHS	IIREGLH	FKKTNG	RAYGNGVYMAQGFYSYSLG	YSGRGFSGIPGMRTCS
Talaromyces_stipitatus_B8M6M3	79	AWHGSALSNWHG	IIREGLH	FKKTNG	RAYGNGVYMAQGFYSYSLG	YSGRHAFVSNPGMRTGS
Mycosphaerella_fijiensis_16474	94	AWHGSPLHNWHS	IIREGLH	FKNADH	GRAYGCVYHAKDAQISTG	YSNVASYGGSGRFYS
Phaeosphaeria_nodorum_QOUPJ2	84	AWHGSPLMNWHS	IIREGLH	FNETLH	GRAYGCVYHAKDAQISTG	YSYQSGS
Pyrenophora_tritici-repentis_B2VYK4	83	AWHGSPLKNWHS	IIREGLH	FNQTLH	GRAYGCVYHAKDAQISTG	YSGGNSGYNIVSG
Alternaria_brassicicola_AB0502	92	AWHGSPIHNWHT	IIREGLH	FKETAH	GRAYGCVYHAKDAQISTG	YSYSGCGGA
Cochliobolus_heterostrophus_30785	83	AWHGSPLHNWHS	IIREGLH	FKETHG	GRAYGCVYHAKDAQISTG	YSNMVQGA
Aspergillus_terreus_Q0CPK4	93	AWHGSPLHNWHS	ILREGLH	YKKVNG	RSFCNGVYMSNNFATSVG	YSGRVNFPDPSAPTLHT
Neosartorya_fischeri_A1CVV6	76	AWHGSPLVNWHS	ILREGLH	FKEVTN	GRAYGCVYLSNNFHTSVG	YTREGLDY
Aspergillus_fumigatus_Q4WQT4	76	AWHGSPLVNWHS	ILREGLH	FKEVTN	GRAYGCVYLSNNFHTSVG	YTREGLDY
Aspergillus_clavatus_A1CIW1	74	AWHGSPLQNWHS	ILREGLH	FKEVSH	GRAYGCVYLSNNFHTSVG	YTAENYHL
Microsporum_canis_C5FD62	100	AWHGSPLSNWHS	ILREGLH	FKETLH	GRAYGCVYLSNNFHTSVG	YLTASTNWSLVGPHSGTETWPS
Ajellomyces_dermatitidis_C5K0M	80	AWHGSRLSSWHG	ILREGLH	FRETVH	GRAYGCVYLSNNFHTSVG	YTRGTPI
Chlorella_sp_NC64A_142217	88	AFHGTSMNDIHS	ILHHGL	LNASG	TRLERTGYVFGKGYFSSSEPHV	AF
Chlamydomonas_reinhardtii_408636	101	AYHGTHTLENLHS	ILHAGL	QSGSG	TRLQRTGANFAGGYLSTNYDTAFS	FCQPCP
Volvox_carteri_107792	112	AYHGTHTLENLHS	IIHTGL	QMSG	TRLQRTGANFAGGYLSTNYDTAFS	FCQPCD
Daphnia_pulex_187911	70	AFHGSRFENFHS	ILNLGL	HQHLNKTAL	FGEGTYLSTEQSLSLQ	YSPCGQ
Trichoplax_adhaerens_B3RSW6	82	GFHGSGLVNFHS	ILHVGL	LSHLN	NRSFLFGEGTYLSTDLVSLN	FSTTGS
Ixodes_scapularis_B7Q2N5	57	AYHGSRLDNFYS	IVHNGL	LAHMN	KNSLFGEGTYLSTDLVSLN	FSPAGF
Ciona_intestinalis_376237	71	AYHGSRLVNFHS	ILHNGL	RNNLN	KVTTLFGEGTYLSSFKVSAP	FSPGTGT
Helobdella_robusta_67096	80	GYHGSKLENFHS	ILHFG	L	KNSLFGEGTYLSSFKVSAP	FSPGTGT
Nematostella_vectensis_A7SF57	61	AYHGSRLVNFHS	ILHNGL	HSHLN	KNSLFGEGTYLSSDLNVSIM	YSTYSQ
Danio_rerio_Q6NX05	61	AFHGSRLVNFHS	ILHNGL	HCHLN	KNTSLFGEGTYLSSDLNVSIM	YSPHGN
Homo_sapiens_PAR16	74	AFHGSRLVNFHS	ILHNGL	HCHLN	KNTSLFGEGTYLSSDLNVSIM	YSPHGH
Xenopus_laevis_A1A620	61	AFHGSRLVNFHS	ILHNGL	HCHLN	KNTSLFGEGTYLSSDLNVSIM	YSPHGH
Naegleria_gruberi_81181	63	AFHGSALVNFHS	ILRNGL	VNASN	TKLMTTGAAYGPGVYMARESAT	SFG
Naegleria_gruberi_80022	71	AFHGSALGNWHS	IMRKGL	LNLSN	TGGMVNGAAYGPGVYLAGNANVSFG	YMYRYS
Lottia_gigantea_53025	78	AFHGSGLVNFHS	IIREGL	VVASG	TSKQVNGSAYGKGYLSSPSSISFG	YSRMGVGHRTQKGTVEKPNQ
Branchiostoma_floridae_C3YQ85	52	AFHGSGLVNFHS	ILRHGL	INASG	TKHQLHGAAYGPGVYLAGNANVSFG	YSRMGVGHRTQKGTVEKPNQ
Xenopus_tropicalis_A4IGR1	79	AFHGSGLVNFHS	ILRNGL	VNASY	TKLQLHGAAYGPGVYLAGNANVSFG	YSRMGVGHRTQKGTVEKPNQ
Homo_sapiens_PARP6	78	AFHGSGLVNFHS	ILRNGL	VNASY	TKLQLHGAAYGPGVYLAGNANVSFG	YSRMGVGHRTQKGTVEKPNQ
Gallus_gallus_XP_001232753	79	AFHGSGLVNFHS	ILRNGL	VNASY	TKLQLHGAAYGPGVYLAGNANVSFG	YSRMGVGHRTQKGTVEKPNQ
Homo_sapiens_PARP8	79	AFHGSGLVNFHS	ILRNGL	VNASN	TKLQLHGAAYGPGVYLAGNANVSFG	YSRMGVGHRTQKGTVEKPNQ
Danio_rerio_Q08CN1	79	AFHGSGLVNFHS	ILRNGL	VVASN	TKLQLHGAAYGPGVYLAGNANVSFG	YSRMGVGHRTQKGTVEKPNQ
Trichomonas_vaginalis_94489	57	LWHGSHLTRWHS	ILRNGL	VNATG	TNMEVNGSKFGPGGYFSSRESDVSLP	YARNCEN
Trichomonas_vaginalis_A2DLU6	55	LWHGSEGRWYP	ILRNGL	RNLSG	TNLMRVGQAYGAGGYLASNASTSSG	YVVNSPN
Trichomonas_vaginalis_87871	56	LWHGSTGDRWHS	ILRNGL	KNGTG	TEMQNGKGVGSGTYLASELLSLG	YVKNVQN
Trichomonas_vaginalis_86141	58	LWHGSPSSRWHA	IFRNGL	KNMSG	TDGMNLNCAAHGNGYFARDSSSTSG	YSHCDVSAN
Trichomonas_vaginalis_96758	56	LWHGSSNRWYP	ILRNGL	KICSNDN	KLMAHGAAGSGTYLAKCIQTSRG	YIRSSAN
Trichomonas_vaginalis_90528	59	LWHGSAADRWYS	ILRNGL	KNLSK	SNLMANGAAYGEGYFARQIETSLR	YMRGSSN
Trichomonas_vaginalis_88521	59	LWHGSGSDRWYS	ILRNGL	KNCSG	TKLMKNGNRHGDGYFAKHIGISSC	YMHQSQN
Nectria_haematococca_83215	59	VFHGTSISRLYL	ILSAGL	KNVSN	TPLMRHGAASGPGVYCGDEQATSLG	YSAIGN
Physcomitrella_patens_A9TVE2	77	AFHGSSENWYS	ILRNGL	RMSY	TPFMSCGAAHGAGGYLASDLSTSMK	YAKYPSY
Homo Sapiens PARP8 Structure						
		Core β-1	α-4		Core β-2	

		250	260	270	280	290	300	310	320	
Laccaria_bicolor_BODPJ7	141	SQTSP		TNCV	ALAEV	VN	LP	AKF		VSSNP... 166
Phanerochaete_chrysosporium_8174	147	SDIRV		RNCV	ALAEI	VN	LP	HHFRHGGGNRRT		NGRTP..TA 183
Magnaporthe_grisea_A4R2D2	158	SAFQS		NITV	LSSEL	IN	IP	NR		VSRSP... 183
Botryotinia_fuckeliana_A6S9M7	152	SQTKA		TAVMS	INEI	IN	CP	KQF		VSSSP... 177
Cryphonectria_parasitica_38809	138	SALCA		TGAT	ALCEI	IN	RP	DQF		VNTIP... 163
Penicillium_marneffei_B6Q3H5	141	SVLDM		NVAV	SLNEV	VN	RP	DDFV		HGSRG... 167
Talaromyces_stipitatus_B8M6M3	144	SL LNM		TCAT	ALNEV	VN	KP	SEF		VHHAN... 169
Mycosphaerella_fijiensis_16474	157	SSLRI		SSAL	ALNEI	VN	AP	AEF		TSSNP... 182
Phaeosphaeria_nodorum_Q0UPJ2	140	SELKM		SQAL	ALNEI	VN	AP	SEF		TSKTP... 165
Pyrenophora_tritici-repentis_B2VYK4	144	SELKV		QQAL	ALNEI	VN	AT	SEY		VSHSP... 169
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Homo Sapiens PARP8 Structure

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