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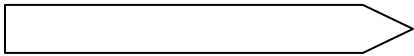
Oas1a -----MEHGERSIPAWTLDKFIEDYLLPDTTFGADVKSAVNVVDFLKERCFQGAH---PVRVSKVVKGSSGKETTAKGKSDADLVVFLNNLTSFEDQLNRR
Oas1g -----MEHGERSIPAWTKDKFIEDYLLPDTTFGADVKSAVNVVDFLKERCFQGAH---PVRVSKVVKGSSGKETTAKGKSDADLVVFLNNLTSFQDQLNRR
Oas1a_rat -----MEQE LRSIPSWKLDKFI EYVLLPNTSFRDDVKSAINVLCDFLKERCFRDTVH---PVRVSKVVKGSSGKETTAKGKSDADLVVFLNNLTSFEDQLNRR
Oas1b_rat -----MEQE LRSIPASKLDQFIEVH-LPDISFRDELREVIDVLCILLKNRCCRESSH---PVRTSKVKGKSSGKETTAKGKSDADLVVFLDSFTFCFGDQLNRR
Oas1b -----MEQD LRSIPASKLDKFIENH-LPDTSFCA DLREVIDALCALLKDRFFRGPVR---RMRASGKVK---GKQTA D KGRSDADLVVFLNNLTSFEDQLNQ
Oas1d -----MARE LFRTPWRDLKFI EDQLLPDTTFTEL RADIDSISAF LKERCFQGAH---PVRVSRVVGGC VNEVTVLKRSEANMVVFLINLTSFEDQFNQ
Oas1e -----MARE LFRTPWRDLNFIEDQLLPDTTFTEL RADIDSISAF LKERCFQGAH---PMRVSRVVGGSD EHNAL KGRSEANMVVFN DLTSFEDQLKWQ
Oas1c -----MENG LCSIQARELDEFICDYLPDTTFTEL RADIDSISAF LKERCFQGAH---PVRVSRVVGGSD EHTAD KSKSEAKMVVFLNNLTSFEEQLKRR
Oas1f -----MVKD LSSTPACELDKFIRDHLLPDS SFHAEARADVDFI GAFLKERCFQGAH---PVRVSRVVGGSD EHTAD KSKSEAKMVVFLNNLTSFEEQLKRR
Oas1h -----MAKNLSSTRIALCSTPAWRLDKFIEGHLLGDITFLTELRTDVNSISAF LKERCFQGAH---PMRVSRVVGGSNRNVTVLKRSEV DDLVFFNNLTCFPDQFKLQ
OAS1 -----MMDLRNTPAKSLDKFIEDYLLPDTCFRMDIHAIDIICGFLKERCFRGSY---PVCVSKVVKGSSGKETTAKGKSDADLVVFLPLTFDQDLNRR
OAS2C -----APLFTTPEGHLLDKFIEKFLQPNKCFLEQIDSAVNIIRTF LKENCFRQS---TAKIQIVRGGSPAKCTADKRGSDADLVVFNHSLKSYTSQKNER
Oas2C -----MPLFVTPSHLLNKFIKDFLQPNKFLKQIKEAVDIIICF LKNVCF LNSD---TKV LKTVKGSSPAKCTADKRGSDADIVVFLSLESYDSLKTNR
OAS3C -----MPALLYQTPAGDLDKFISEFLQPNRQFLAQVKNRAVDITCSFLKENCFRNSP---IKV LKVVKGSSPAKCTADKRGSDADLVVFLSFCFSQFTEQGNKR
Oas3C -----TPALHQTLAEDLDKFI SEFLQPNRHF LTVKRAVDITCSFLKENCFRNST---IKV LKVVKGSSPAKCTADKRGSDADLVVFLSFCFSQFTEQGNKR
Oas11 -----MAVAQE LYGFPASKLDSFVAQWLQPTREWKEEVLETVQTVEQFLRQENFREDRGPARDVRLKVLKVGCCGNGTVDRSTTDV LVLVFLSFCFSFQEAKHH
OASL -----MALMQE LYSTPASRLDSFVAQWLQPHREWKEEVLDVARTVEEFLRQEHFQGRGLDQDVRV LKVVKGSSGNGTVDRSTREVELVFLSFCFSFQEAKHH
OAS2 -----MDPFPDLYATPEGSLDHFLEHSLQPRDWKEEGD AWERIERFRFREQCFRDELLDQDVRV LKVVKGSSGKETTAKGKSDADLVVFLSFCFSFQEAKRR
OAS2N -----MNGGESQLSSVPAQKLGWFIQEY LKPYEECQTLIDEMVNTICDVCRNP-----EQFPLVQVADGGSGRKTVDLRNSDGLVLFVFDLQFQDKRSQ
OAS2N -----MGNWLTGNWSSDRSSGYSYSGWSPGGSSGVPSPVHKLEKSIQANLTPNENCLKQIAYSSVPAQKLEGYIQENLKNRESLKI DQAVDAI WDLRSQIP-----VKEVAKGSSVGRCTADKRGSDADLVVFLSFCFSFQDQIKYQ
OAS3N -----MDLYSTPAALDRFVARLQPRKEFVEKARRALGALAAALREGRGLGAA---APRV LKTVKGSSGRC TADKRGSDADLVVFLSFCFSFQDQARR
Oas3N -----MDL FHTPAGALDKLVAHNLHPAEPFTA AVRGALGSLNITLQQRHAR-GSQ---RPRVIRI AKGAMARCTADKRGSDADLVVFLSFCFSFQDQKTC
OAS3M -----MALDLSQIPTKELDRFIQDHLKPSPFQEQVKAIDIILRCLHENC---VHKASRVSKGSSGRC TADKRGSDADLVVFLSFCFSFQDQKTC
Oas3M -----MSPFDLSQIPSKDLDCFIDHLRPSPFQEQVKAIDAILCCLREKS---VYKVL RSKGSSGRC TADKRGSDADLVVFLSFCFSFQDQKTC

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LxxxP motif

P-loop motif

DAD motif



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Oas1a -----GEFIKEIKKQLYEVQH---ERRFRVKFEVQSSWPNARSLSFKLSAP-HLHQEVEFDVLPADFVLGHVNTSSKPD---PRIYAILIEEC-TSLGKDG EFSTCFTELQRNFKQRPTKLSLIRLVKHWYQLCKEKLKGP-----LPPQYA
Oas1g -----GEFIKEIKKQLYEVQH---ERHFRVKFEVQSSWPNARSLSFKMSAP-HLHQEVEFDVLPADFVLGHGSINKKPN---PLIYTLIIEWEC-TSLGKDG EFSTCFTELQRNFKQRPTKLSLIRLVKHWYQLCKEKLKGP-----LPPQYA
Oas1a_rat -----GEFIKEIKKQLYEVQR---EKHFRVKFEVQSSWPNRALSFKLSAP-HLQEQEVEFDVLPAYDVLGHVLSYNSPD---PKIYTLIIEEC-ISLGDKEGFSTCFTELQRNFKQRPTKLSLIRLVKHWYQLCKEKLKGP-----LPPQYA
Oas1b_rat -----GEFTKEIKKLEFEVQR---DRHIGMKIEVHSSWSPNRALSFKLSAP-DQKQEVKFDVLPAYDVLGHVSI PRKPN---PHFYAIFISER-NSLGEDEFSTCFTELQLYFLNWRPTKLSLIRLVKHWYQLCKEKLKGP-----LPPQYA
Oas1b -----GVLIKEIKKQLYEVQH---ERRFGVKFEVQSLRSPNSRALSFKLSAP-DLLKEVKFDVLPAYDVLGHVNLKKNP---QQFYANLISGR-TPLGKEGKLLTCF MGLRKYFLNCRPTKLRILHLVTHWYQLCKEKLKGP-----LPPQYA
Oas1d -----VVFIEE IWRHLLQLQQ---EKLC LKFEVQSPKEPNRSLSFKLSCP-ERQHELEFDVQPAYDALYEVRRHFPPDSSYNNKVAQYLTHEC---TTLKEGEGFSICF TDLHQSF LRYRAPKLWNLIRLVKHWYQLCKEKLKGP-----LPPQYA
Oas1e -----QVFIEEIRKHLQLQQ---EKPC LKFEVQSS EEPNTRSLTFKLSCP-ERQEQEVEFDVQPAYDALYEGGYCKSFESINYNKVAQYLTHEC---TTLKEGEGFSICF TDLHQSF LRYRAPKLWNLIRLVKHWYQLCKEKLKGP-----LPPQYA
Oas1c -----GEFVEEIQKHLQQLQQ---EKPFVKFEVQSS EEPNRSLSFKLSSP-ELQEQEVEFDVQPAYDVLYELRNNTYAEFPQYNNKVAQYLTHEC---TTLKEGEGFSICF TDLHQSF MRYRAPKLWNLIRLVKHWYQLCKEKLKGP-----LPPQYA
Oas1f -----GEFTEEIRKHLQQLQD---EKPFVKFEVQSS EEPNRSLSFKLSSP-ELQEQEVEFDVQPAYDVLYELRNNTYAEFLYNNKVAQYLTHEC---TTLKEGEGFSICF TDLHQSF LEDRAPKLKNLIRLVKHWYQLCKEKLKGP-----LPPQYA
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Oas1 -----GEFIQEIRRQLEAQR---ERALS VKFEVQAPRWGNRALSFKLSL-QLGEGVEFDVLPADFALQLTGSYKPN---PQIVVKLIEEC-TDLGKEGFSTCFTELQRDFLQRPTKLSLIRLVKHWYQCNCKKLGK-----LPPQYA
OAS2C -----HKIVKEIHEQLKAFWREKBEELVSEFEP---PKWKAPRVLSFSLKSK-VLNE SVSFDVLP AFNALQ LSSGSTPS---PEVYAGLIDLYKSSDLPCEGFSTCF TDLQRNFI RSRPTKLDLIRLVKHWYKCEKRLKPKGS-----LPPKYA
Oas2C -----SQVFQEIQKQLEEFVQ---AQEW E VTFE I---SKWKAPRVLSFTLKS-KVLNESVEFDVLPAYDALGQLRSDFTLR---PEAYKDLIELCASQDIKEGFSTCFTELQRNFIQTRPTKLSLIRLVKHWYQYERKMKPKAS-----LPPKYA
OAS3C -----AEIIEIRAQLEAQQ---ERQFEVKFEV---SKWENPRVLSFSLTSQTMLDQSDVDFVLPADFALGQLVSGSRPS---SQYVDLIHSY---SNAGEYSTCFTELQRDFIISRPTKLSLIRLVKHWYQCTIKSGRGS-----LPPQHG
Oas3C -----AEIIEIRAQLEAQQ---THSFDVKFEV---SKRKNPRVLSFTLTSQTLLDQSDVDFVLPADFALGQLRSGSRPD---PRVYTDLIHS---CNAGEYSTCFTELQRDFISRPTKLSLIRLVKHWYQCNKTIKGGKS-----LPPQH
OAS11 -----QAVLRLIQKRMYYCQELMDLGLSNLSVTN---RVPSLLIFTIQTRT---WETITVTVVPAYRALG-PSCPSS-----EVYANLIKAN---GYPGNFSPSFSFELQRNFVKHRRPTKLSLIRLVKHWYQYVRDKCPR-AN---LPPLYA
OASL -----KDVLR L IWKTMWQSDLLDLGLD L RMEQ---RVPDALVFTIQTRGT---AEPITVTVVPAYRALG-PSLPNSQP---PEVYVSLIKAC---GGPGNFCPSFSELQRNFVKHRRPTKLSLIRLVKHWYQYVYKARS-AN---LPPLYA
OAS12 -----EVVISFKRLLHCSRSRLAYNIIVLTHREGKRAPRS LTKVQSRKT---DDIIMMDLIPAYDALG-PISRDSQP---APAIYETLIRSK---GYPGDFSPSFTLQRHFVKTREPVKLNLR LRVKFWYQLCLRRKYRGAV---LPSKYA
OAS2N -----RDILDKTGDKLFCFLFTKMLKNN- FEIQK---SLDGSTIQVFTK---NQRISFEVLA AFNALS LNDNPSPCI---YRELKRS LDKTN---ASPGEFAVCFTELQKFFDNRPGLKDLILLIKHWYQYQCK-1KDLF---SLSPYA
Oas2N -----DAYLD-----VIELWLKIEHKSVK---HEHALVQVQVSP---QORILLQLLPVFNLRNSNENPSSCV---YVDLKSMDQVR---ASPGEFSDCFTTLQQRFFKYPRLKDLILLIKHWYEQCQEK-WKTPPP---QPLLYA
OAS3N -----AEILSEMRASLESWQNPVGLRLTFPEQS---VPGALQFRLTSV-DLEDMDVSLVPAFVNLGQAGSAPVKP---PQVYSTLLNSG---CQGEHAACFTELRRNFVNI RPAKLN LIRLVKHWYHQVCLQGLWK---ETLPPVYA
Oas3N -----SETLGMARMLLESWGHGPGPLTFEFSQSK---ASRILQFRLASA-DGEHNI DVSLVPAFVNLGQPRSGVKTPT---PNVYSLLSSH---CQAGEYSACFTEPRKNFVNTRPAKLN LIRLVKHWYHQVQTVR---ATLPPSYA
OAS3M -----AEILDEMRAHVESWWDQVPSLSLQFPEQN---VPEALQFLVST-ALKSWTDVSLP AFDAVGQLSSGKTPN---PQVYRLLTSG---CQEGEHKACFAELRRNFVNI RPAKLN LIRLVKHWYRQVAAQKGGKGPAPASLPPYA
Oas3M -----AEILRDMQAQLRHWCQNVPGLSLQFIEQ---KPNALQLQLAST-DLSNRV DLSVLP AFDAVGKPSGKTKPQ---PQVYSLLSSG---CQAGEHAACFAELRRNFINTCPKLSLMLLIRLVKHWYRQVTVRYKGEAAGDAPPYAY

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Oas1a LELLTVFAWEQ-GNGCYEFNTAQQFRTVLELVINYQHLRIYWKYDFQHQEVSKYLHRQLRKARPVILDPADPTGNVAGGNEGWRRLAEEADVWLWYPCFKIKDGSRVSSWDVPTVVVFPFQVEENWTCILL-----
Oas1g LELLTVYAWEQ-GNGCNEFNNTAQQFRTVLELVINYQHLRIYWKYDFQHKEVSKYLHRQLRKARPVILDPADPTGNVAGGNEGWRRLAEEADVWLWYCFMKNDGSRVSSWDVPTVVVFPFQVEENWTCILL-----
Oas1a_rat LELLTVYAWER-GNGITEFNNTAQQFRTVLELVINYQHLRIYWKYDFQHDPVSKYLHRQLRKARPVILDPADPTGNVAGGNEGWRRLAEEADVWLWYCFMNRGGSPVSSWEVPE-----VDEAWSCILL-----
Oas1b_rat LELLTVYAWER-GGRLTKFNNTAQQFRTVLELVINYQHLRIYWKYDFQHDPVSKYLHRQLRKARPVILDPADPTGNVAGGNEGWRRLAEEADVWLWYCFMNRGGSPVSSWEVPE-----VDEAWSCILL-----
Oas1b LELLTVYAWER-GSRVTKFNNTAQQFRTVLELVINYQHLRIYWKYDFQHDPVSKYLHRQLRKARPVILDPADPTGNVAGGNEGWRRLAEEADVWLWYCFMNRGGSPVSSWEVPE-----VDEAWSCILL-----
Oas1d LELLTVYVWEYGIHENPGLHTAQQFRTVLELVINYQHLRIYWKYDFQH-EISDYLQGGQIKKARPLIILDPADPTGNVAGGNEGWRRLAEEADVWLWYCFMNRGGSPVSSWEVPE-----VDEAWSCILL-----
Oas1e LELLTVYVWEYGIHENPGLHTAQQFRTVLELVINYQHLRIYWKYDFQH-EISDYLQGGQIKKARPLIILDPADPTGNVAGGNEGWRRLAEEADVWLWYCFMNRGGSPVSSWEVPE-----VDEAWSCILL-----
Oas1c LELLTVYVWEHNSKNQEKVTTAKNFRTVLELVINYQHLRIYWKYDFQH-EISDYLQGGQIKKARPLIILDPADPTGNVAGGNEGWRRLAEEADVWLWYCFMNRGGSPVSSWEVPE-----VDEAWSCILL-----
Oas1f LELLTVYAWESGSRD-CEFNNTAQQFRTVLELVINYQHLRIYWKYDFQHDPVSKYLHRQLRKARPVILDPADPTGNVAGGNEGWRRLAEEADVWLWYCFMNRGGSPVSSWEVPE-----VDEAWSCILL-----
Oas1h LELLTVYAWEHLPDKHETQARGFRTVLELVINYQHLRIYWKYDFQHDPVSKYLHRQLRKARPVILDPADPTGNVAGGNEGWRRLAEEADVWLWYCFMNRGGSPVSSWEVPE-----VDEAWSCILL-----
Oas1 LELLTVYAWER-GSMKTHFNNTAQQFRTVLELVINYQHLRIYWKYDFQKNIIEKYLRLQTKRPRVILDPADPTGNVAGGNEGWRRLAEEADVWLWYCFMNRGGSPVSSWEVPE-----VDEAWSCILL-----
OAS2C LELLTVYAWEQ-GSGVPPDFDAEGFRTVLELVINYQHLRIYWKYDFQH-EISDYLQGGQIKKARPLIILDPADPTGNVAGGNEGWRRLAEEADVWLWYCFMNRGGSPVSSWEVPE-----VDEAWSCILL-----
Oas2C LELLTVYAWEQ-GSGTDDFDIAEGLRVLVLDLVIKYRQLCIWTVNINFEDEEYMRKFLITQIKKARPVILDPADPTGNVAGGNEGWRRLAEEADVWLWYCFMNRGGSPVSSWEVPE-----VDEAWSCILL-----
Oas3C LELLTVYAWEQ-GGKDSQFNMAEGFRTVLELVINYQHLRIYWKYDFQH-EISDYLQGGQIKKARPLIILDPADPTGNVAGGNEGWRRLAEEADVWLWYCFMNRGGSPVSSWEVPE-----VDEAWSCILL-----
Oas3C LELLTVYAWEQ-GGQNPQFNMAEGFRTVLELVINYQHLRIYWKYDFQH-EISDYLQGGQIKKARPLIILDPADPTGNVAGGNEGWRRLAEEADVWLWYCFMNRGGSPVSSWEVPE-----VDEAWSCILL-----
Oas11 -ELLTVYAWAEGTREDANFRLEGLATVMEQLLQDHELLCIYWKYDFQH-EISDYLQGGQIKKARPLIILDPADPTGNVAGGNEGWRRLAEEADVWLWYCFMNRGGSPVSSWEVPE-----VDEAWSCILL-----
OASL LELLTVYAWEMGTEDENFMDLDEGFTVMDLLEVEVICIYWKYDFQH-EISDYLQGGQIKKARPLIILDPADPTGNVAGGNEGWRRLAEEADVWLWYCFMNRGGSPVSSWEVPE-----VDEAWSCILL-----
Oas12 LELLTVYAWEMGTEDENFMDLDEGFTVMDLLEVEVICIYWKYDFQH-EISDYLQGGQIKKARPLIILDPADPTGNVAGGNEGWRRLAEEADVWLWYCFMNRGGSPVSSWEVPE-----VDEAWSCILL-----
OAS2N LELLTVYAWEQGCRK-DNFDAEGVRTVLELVINYQHLRIYWKYDFQH-EISDYLQGGQIKKARPLIILDPADPTGNVAGGNEGWRRLAEEADVWLWYCFMNRGGSPVSSWEVPE-----VDEAWSCILL-----
Oas2N LELLTVYAWEQGCRK-DNFDAEGVRTVLELVINYQHLRIYWKYDFQH-EISDYLQGGQIKKARPLIILDPADPTGNVAGGNEGWRRLAEEADVWLWYCFMNRGGSPVSSWEVPE-----VDEAWSCILL-----
Oas3N LELLTVYAWEQGCKK-DAFSLGEGRLTVLGLIQHQLCVFVTVNINFEDEEYMRKFLITQIKKARPVILDPADPTGNVAGGNEGWRRLAEEADVWLWYCFMNRGGSPVSSWEVPE-----VDEAWSCILL-----
Oas3N LELLTVYAWEQGCKK-DAFSLGEGRLTVLGLIQHQLCVFVTVNINFEDEEYMRKFLITQIKKARPVILDPADPTGNVAGGNEGWRRLAEEADVWLWYCFMNRGGSPVSSWEVPE-----VDEAWSCILL-----
OAS3M LELLTVYAWEQGCRQ-DCFNMAQQFRTVLELVINYQHLRIYWKYDFQH-EISDYLQGGQIKKARPLIILDPADPTGNVAGGNEGWRRLAEEADVWLWYCFMNRGGSPVSSWEVPE-----VDEAWSCILL-----
Oas3M LELLTVYAWEQGCGE-QKFSLAEGRLTILRLIQHQLCVFVTVNINFEDEEYMRKFLITQIKKARPVILDPADPTGNVAGGNEGWRRLAEEADVWLWYCFMNRGGSPVSSWEVPE-----VDEAWSCILL-----

CFK motif

Oas1a	-----	CAA28620
Oas1g	-----	AAH18470
Oas1a_rat	-----	CAA79317
Oas1b_rat	-----	AAC19135
Oas1b	-----	AAH12877
Oas1d	-----	BAB84132
Oas1e	-----	BAB84131
Oas1c	-----	NP_291019
Oas1f	-----	AF481733
Oas1h	-----	BAB84130
OAS1	-----	CAA26633
OAS2C	-----	AAA60606
Oas2C	-----	BAB84135
OAS3C	-----	AAD28543
Oas3C	-----	BAB84134
Oas11	LSQGYLGLQLRSFQEPGGERQLIRSHCTLAYYIFCDTHICLLDTISPEIQVFNKPDGRSHAYAIHPLDYVLNLKQOIEDRQGLRCQERLEFQGHILEDFDFKSYGIDQSVTVILSKTTEGAAPFVPS	BAB84133
OASL	RTRGYSLQLRSFQEPGGERQLIRSHCTLAYYIFCDTHICLLDTISPEIQVFNKPDGRSHAYAIHPLDYVLNLKQOIEDRQGLRCQERLEFQGHILEDFDFKSYGIDQSVTVILSKTTEGAAPFVPS	CAA12396
Oas12	REKFNFGGELRISFQEPGGERQLIRSHCTLAYYIFCDTHICLLDTISPEIQVFNKPDGRSHAYAIHPLDYVLNLKQOIEDRQGLRCQERLEFQGHILEDFDFKSYGIDQSVTVILSKTTEGAAPFVPS	AAD02818
OAS2N	-----	AAA60606
Oas2N	-----	BAB84135
OAS3N	AGSKPPSCPAPGPTAEPASYPVPG-----	AAD28543
Oas3N	ERSQKPSNSAPGFPEAATKIIPAMPNPSANKTRKIRKKAHPKTVQEAAALDSSSHVITQSTASSHMPDRSSISTAGSR-----	BAB84134
OAS3M	-----	AAD28543
Oas3M	-----	BAB84134