

Supplementary Figure S9

Location of LCRs in proteins associated with SG defects

The locations of LCRs (identified according to Li and Kahveci, 2006), within the 54 proteins associated with strong SG-defective phenotypes are shown.

>YML063W | RPS1B (PLC2, RP10B)

MAVXXXXXXXXXXXXXXXXXVDPFTRKEWFDIKAPSTFENRNVGKTLVNKSTGLKNASDA
LKGRVVEVCLADLQGSSEHSFRKVKLRVDEVQGKNLLTNFHGMDFTTDKLRSMVRKWQTL
IEANVTVKTSDDYVLRIFAIAFTRKQANQVKRHSYXXXXXXXXXXXXXKWISEILTREVQNST
LAQLTSKLIPEVINKEIENATKDIFPLQNIHVVRKVKLLKQPKFDVGALMALHXXXXXXXXX
XXXXXXFKDEVLETV

>YML121W | GTR1

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DCGGQDVFMEYFTKQKDHIFQMVQVLIHVFDVESTEVLKDIEIFXXXXXXXXXXXXXXXXX
XFVLLHKMDLVQLDKREELFQIMMKNXXXXXXXXXXXXXXXXXXXXTSIWDESLYKAWSQIVC
SLIPNMSNHQSNLKKFKEIMNALEIILFERTTFLVICSSNGXXXXXXXXXXXXXXXXXVLLDP
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NIKKAKEFFQ

>YML017W | PSP2 (MRS15)

MGTNNTSNNNGTTKKMSLEEFGLNDTLGESVWDEEDINLDAISNTTIDILKQTKAGEHQ
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XXXXXXXXXXXXXXXXTKFIKFLFWEINKNPSISTLKSISFDQNFKRDSKVAFVELYTSRD
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FGSAKPVDTQSKILDIEEKMENLHVEDTTTLRASLIPSSDSMATTATGSKITILKKQTPT
EEESHSAPTPKPLSYSEVVERSUVNETSKKGTPLSKLDSPALELQSKPKSDEFKGGDE
QGFEEKGGDDKAQLDVSNDKDKGSETDVKQFTFKNVXXXXXXXXXXXXXXXXXXXXXXXFX
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXSSYXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
XXXXXXXXXLTSDSSLDASGNKKNDFNTSNTQQYSIFKPA SGFLGQGNDSIRNNGRGN
YNSSGMNGGSRGRGFRGRGFXXXXXXXXXXXXXXXXXXXXXXXXXXXXNNRTTDMPL

>YNL091W | NST1

MPPNXXXXXXXXXXXXXXXXXGNSDXXXXXXXXXXXXXXXXXLYHTESDYPTSRVIKRAP
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EVFNIRNYQDDHSCSCSVCGRXXXXXXXXXXXXXXXXXXXXXXXXXXXXPETNPIKFHLGIK
ELQISKNQQNDLSSTKGEVVKNFLXXXXXXXXXXXXXXXXXXXXXXXXXXXXAHNETADNTS
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SGKPLTEDEYADLQRNIAERMNTNAYDTASKKFKDVSQLEKELFTRFMSGRDKKSFRELII
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XXXEGIEAVEKPEHDEKSNGIRETLHLSYDHDHQRNHPHHYXXXXXXXXXXXXXXXXXXYI
SDIELPHDPHKHFHRXXXXXXXXXXXXXXXXXXXXXXXXXXXXTYDSGLDETDRLEEGRKLIQ
IAITKLLQSRIMASYHXXX
XXXXXXXXXKXXXXXXXXXXXXXXXXXXXXXXXXXXXXAXXXXXXXXXXXXXXXXXXXXXRLXXXXXXXXX
XXXXXXXXXXLXXXXXXXXXXXXXXXXXXXXXXXXXXXXEKEEEERQLIAEDALRKQKLNEEQ
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>YNR050C | LYS9 (LYS13)

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LDKVLADNDVVISLIPYTFHPNVVKS AIRTKTDVVTSSYISPALXXXXXXXXXXXXXXXXXX

XXGLDPGIDHLYAVKTIDEVHRAGGKLSFLSYCGGLPAPEDSDNPLGYKFSWSSRGVLL
ALRNSAKYWKDGKIETVSSSEDLMATAKPYFIYPGYAFVCYPNRDSTLFDLYHIPEAETV
IRGTLRYQGFPEFVKALVDMGMXXXXXXXXXXXXXXXXXXXXXALKQYLGAKSTSKEDLIASID
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>YNR051C | BRE5

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ILLPSSNGSTFDITNDIIRFISNSFKPYVLTASLSQSNEENSVSASVEEDKIRHESGVEK
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CLERKTVKKPTSNNPPGIFTNGTRSHRKQPLKRKD

>YOL039W | RPP2A (RPL44, RPLA2)

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>YOR106W | VAM3 (PTH1)

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PISPGTSKERKDIHPRTEAVRQDPESYISIKVNEQSPLLHNEGXXXXXXXXXXXXXXXXXG
LSXXXXXXXXXXXXXXXXXRSQQIGRIHTAVQEVNAIFHQLGSLVXXXXXXXXVTIDENISHLHD
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>YOR014W | RTS1 (SCS1)

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NPVGDIDYDPDEDEPVNELAWPHMQAVYEFFLRFVESPDFNHQIAKQYIDQDFILKLELF
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INGFALPLKEEHKVFLVRLIPLHKVRCLSLYHPQLAYCIVQFLEKDPLLTEEVMGLLR
YWPKINSTKXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXFVQLAKCISSPHFQVAEKVLSYWN
NEYFLNLCIENAENVILPIIFPALYELTSQLELDTANGEDSISDPYMLVEQAINSGSWNRA
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>YOR038C | HIR2 (SPT1)

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VMTSDRSILVYQINKTGTHKLINKLTQHVMYPLHYRISMSPQADILPVINSVKGVNNA
TSCTALLDRXXXXXXXXXXXXPSSNGCRVLVYSPAFYEKPNLKKGXXXXXXXXXXXXXXXXXD
GTILVWNTKRMKPLFNALQVSSTAINDMSWSQDGXXXXXXXXXXXXXXXXXXXXFQEKDLGVAL
PQXXXXXXXXXXXXXXXXXXXXLAEQIPKSFPENIKLEESASAAIPNDIGRSAVGXXXXX
XXXXXXXXXXXXXXXXXIQSTSMEFNTPSYTVPRDLKRKPKKEATPSNXXXXXXXXXXELQPIDF

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INEIVSDIKNDNQSIINFLECKTNDENLRKGRKLNLRQFARTILMKEGFENMEEIVTLSH
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>YOR078W | BUD21 (UTP16, YOR29-29)

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DQKDEGSTQYSSSRHVTFDKLDESDENEEALAKAIKXXXXXXXXXXXXXXXXXGKFRVQL
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>YOR382W | FIT2

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XXXXXXXXXXXXXXXXXXXXXXXXXXXXLALGLISYLL

>YOR235W | IRC13

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>YOR293W | RPS10A

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>YPL157W | TGS1

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>YPR172W | ORF, uncharacterized

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>YFLO01W | DEG1 (PUS3, HRM3)

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EGTILEAMNKCKLVPSMVLQDYKFSRCGRDVKGVSAMNQVISLEVRSNLTDEEQRDPTND
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>YNL284C | MRPL10

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KFHYNLP IALEXXXXXXXXXXXXXXXXXGGKFTARYYTPLGLRAHLNPQWFLEXXXXXXXXX
XXXXXXXXXXXXXXXXXG YLVM EKDKLLQDXXXXXXXXXXXXXXXXXVKKSSLEIELEELS
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>YLR238W | FAR10

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RVDSHTFSQVRSDNGNFDSRVL SRNHALLSCDPLTGK VYIRDLKSSNGTFINGQRIGSND
VEIKVGDVIDLGT DIDTKIEHRKISATVEELFVQPLLESPIFENEDSDDCHTITEKEEAA
AITSHIYGDSNNLEEEVILGSDTEILSGIFINNCIGTSPXXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXLINYTT HLEYTNKLLVEKNDQQLVKLQNGLRRLSGKYEKIIEQNRN QVKQ
LERDHMFFKKSFEVKKRRNNEKQKSMEREIEDL KTRLEVERYKNSQMMKKNKQKEQELST
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>YBR201W | DER1

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>YBR076W | ECM8

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SEFGYKIKRNQNCPPXXXXXXXXXXXXXXXXX EESNPXXXXXXXXXXXXXXXXXXXXXELMCRF
CQGNWILAENYLKHLFFAHGILSEFKPHTLYHFESKLLKIQGKLNFKIQVLKEPEFSK
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>YBR106W | PHO88

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GNAGVKA E

>YGL174W | BUD13 (CWC26)

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>YGL199C | ORF, dubious

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>YGL031C | RPL24A (RPL30A)

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>YLR234W | TOP3 (EDR1)

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XXXXXXXXNFLDVYPWARWETTKQLPXXXXXXXXXXXXXXXXXXXXGTTAPPKPMTESELILLM
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>YGL049C | TIF4632

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VXXXXXXXXXXXXXXXXXVLPANEAVKDTLTETSNEKSTSEAENXXXXXXXXXXXXXXXXXXXX
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XXXXXXXXXXXXXXXXXXXXFXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXGGKTVNKSDD
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K
YTYGPTFLLQFKDKLFRPDPAWVEAVSSKIVIPPHIARNKPKDSGRFGGDFRSPSMRGM
DHTSSRVXXXXXXXXXXXXXXXXXSNRGYXXXXXXXXXXXXXXXXXXXXXXXXXXXXLVPSANRWI
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>YBR093C | PHO5

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E
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>YDR128W | MTC5 (SEA3)

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GH
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XXXXXXXXXXXXXILRNDIIVRTKIPILRGNFKAFXXXXXXXXXXXXXTKXXXXXXXXXXXX
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>YER155C | BEM2 (IPL2, SUP9, TSL1)

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KLTMDNDXXXXXXXXXXXXXXXXXXXXVLENMAKRYVGAKSCSVSISKILDRSDDSKMKINE
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XXXXXXXXXXXXXXXXXRIXXXXXXXXXXXXXXXXXXXXXXXXXXXXXMIRSFQKLHSTNYEDILE
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KRTTFGRILFNNFEDVNKVYXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXIEKIKREARK
LEVLLDQEKILKNSAALHQA VPKKNXXXXXXXXXXXXXXXXXXXXYNINKNTGQTPSLGSVMES
NNSARNRRDSRASSTNRSSVVSNSHNGVXXXXXXXXXXXXXXXXXXXXNTXXXXXXXXXXXX
XXXXXXXXKSILPSILPEVDSMQLHDXXXXXXXXXXXXXXXXXXXXXINHRNIPAXXAFKIVM
QNGHEYLIQTASSDLTEWIKMIKASKRFSFHSKKYK GKTHNKIFGVPLEDVCERENTLI
PTIVVKLLEEIELRGLDEVGLYRIPXXXXXXXXXXXXXEEGATDNSFTLEDDRWFEVNA
IAGCFKMYLRELPDSLFSHAMVNDFTXXXXXXXXXXXXXXXXXXXXXRMNELLQKLPTCYQT
LKRXXXXXXXXXXXXXXXXXXXXMDASNLAIVFSMSFINQEDLANSMGSR LGAVQTILQDFIKN
PNDFYFKQ

>YGL105W | ARC1

MSDLVTKFESLIISKYPVSFTKEQSAQAAQWESVLKSGQIQPHLDQLNLVLRDNTFIVST
LYPTSTDVHVFEXXXXXXXXXXXXXXXXXXXXXXXXXXRHILRWIDYMQNLLVSSTDKLEIN
HDLDPHEVIEKKKKAPAGGAADAAKADEDVSKKAKKQDHPRGKPDXXXXXXXXXXXXXXXXXX
XXXXXXXXXXXXXQQQEQQNKAPEKPKPSAIDFRVGFQKAIKHPDADSLYVSTIDVGDEEG
PRTVCSGLVKHFPLDAMQERYXXXXCNLKPVNMRGIKSTAMVLCGSNDDKVEFVEPPKDS
KAGDKVFFEGFGDEAPMKQLNPKKKIWEHLQPHFTTNDGLEVIFKDEEEKDHPVRKLTNA
KGESFKVASIANAQVR

>YGL136C | MRM2

MILVYNRIRSIIXXXXXXXXXXXXXXXXXXQXXXXXXXXXXXXXXXXXXXXVQNLRRAAFKLMQI
DDKYRLFskNRtdQRILDGYPGAWsQVARQRXXXXXXXXXXXXXXXXXXEPPHGVNSIQAN
ILAKRTHDLIRLFFSKHFQLNRHDDLHKDHGYFQNMLEEELTHVKDTELYREIFTSDDIY
ETPNTNSTLIEREKFPVDVIISDMYEPWPQTTGFWNNITNQAYFRMANTSGVSIRDHYQS
IDLCDAAALVTAIDLLRPLGSFVCKLYTGXXXNLXXXXXXXXXXXXXXXXXXXXPDASRDESKET
YYIGLKKKRNVDKLDVFSNS

>YGL154C | LYS5

MVKTTEVVSEVSKVAGVRPWAGIFVVEIQEDILADEFTFEALMRTLPLASQARILNKKSF
HDXXXXXXXXXXXXXXXXXIVTGLNFQELKFDKGSFGKPFLDNNRFLPFSMTIGEYVAMF
LVKCVSTDEYQDVGIDIASPCNYGGREELELFKEVFSEREFNGLLKASDPCTIXXXXXXX
XXSMCITLDEVPLIFHSQWFNNEIVTICMP
KSISDKINTNRPKLYNISLSTLIDYFIENDGL

>YGR092W | DBF2

MLSKSEKNVDLLAGNMSNLSFDGHGTPGGTGLFPNQNITKRTRPAGINDSPSPVKPSFF
PYEDTSNMDIDEVSQPDMDVSNPCKLPPKfyERATSNTQRVVSVCkMYFLEHYCDMFD
YVISRRQRTKQVLEYLQQSQLPNSDQIKLNEEWSSYLQREHQVLRKRRLKPKNRDFEMI
TQVGQGGYGQVYLARKKDTXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXRSEWLVKL
LYAFQDLQSLYLAMEFVPGGDFRLLINTRCLKSGHARFYISEMFCAVNALHDLGYTHRD
LKPENFLIDAKGHIKLTDFGLAAGTISNERIESMKIRLEKIKDLEFPAPTEKSIEDRRKM
YNQLREKEINYANSMVGSPDYMALEVLEGKKYDFTVDYWSLGCMLFESLVGYTPFSGSST
NETYDNLRRWKQTLRRPRQSDGRAAFSDRTWDLITRLIADPINRLRSFEHVKRMSYFADI
NFSTLRSMIPPFTPQLDSETDAGYFDDFTSEADMAYADVFKRQDKLTAMVDDSAVSSKL
VGFTFRHRNGKQGSSGILFNGLEHSDPFSTFY

>YLR264W | RPS28B

MDSKTPVTLAKVIKVLGRTGSRGGVTQVRVEFLEDTSRTIVRNVKGPXXXXXXXXXXXXXXXXXX
XXARRLR

>YOR070C | GYP1 (YOR29-21)

MGVRSAAKEMHERDHNXXXXXXXXXXXXXXXXXASSKPKPSLYKMNTTESTSLPSGYAS
SADRDRRTSDGNFEAMAKQQAstrrtsNSYSPLRYVNPTLSTASNESPRPALLRQHhXX
XXXXQQRHSSSGSVGNCSNSTEPNKKGDryFKDLDEDWSAVIDDYNMpipILTNGGFG
TPVAPTRTLsrkSTXXXIXXXXXXXXXXXXXXXXXXXXXXXXXXXXXLQKEKTNDskKTQLEIE
NERDVQELNSIIQRISKFDNILKDKTIINQQDLRQISWNGIPKIHRXXXXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXXXEYRDSLKHTFSDQHSRDIPTWHQIEIDXXXXXXXXXXXXXXXXXXXXX
XXXXXLWairHPASGYVQGINDLVTpFFETFLTEYLPPSQIDDVEIKDPSTYmVDEQITD
LEADTFWCLTKLLEQITDNYIHGQPGILRQVKNLSQLVKRIDADLYNHfQNEHVEFIQFA
FRWMNCLLMREFQMGTVIRMWDTYLSETSQEVtSSYSMSsNDIKPPXXXXXXXXXXXXXXXXXX
XKDFQSPttALSnmTPNNAVEDSGKMRQSSlNEFHVFVCAAFlikWSDQLMEMDFQETIT
FLQNPPTKDWtETDIEMLLXXXXXXXXXXXXXXXXXXXXL

>YOR275C | RIM20

MSELLAIPLKRTLEVDFAELSKLXXXXXXXXXXXXXXXXXILKVV DARNNAIAPDISIDGL
SALKEYYVILLQLEKKFPNNQIEFTWFQTL SQSRGTSQYSLQWEKLTIIYNIGCMYSL
ALNSNNDAAESLKTSCLYFQNAAGCFKHVLDHQKNLETIPVVDDATLNAL TSLMLAQAQE
CFWFKAVQDKHKDSLIAKLSQ QIVDFYCEAINDAQRGKLIRSDWINHLKAKKAYFSAVTY
YRIALSFNEKXXXXXXXXXXXXXXXXXNESTLSSQAKFKTVV ESSLKEAQRDNEFIYLQE
VXXXXXXXXXXXXXXXXXXXXXXXXXIKKDETLFKDLIPIEVMXXXXXXXXXXXXXXXXXRV
TNPLASLNKLLKESXXXXXXXXXXXXXXXXXLSHYXXXXXXXXXXXXXXXXXKNVQVQLDNIEQIL
NEEAFTDNQLRLKHGTLNWTLPESSTNTAYYXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
XNLIGSEIRLPESNDPLTNKIKMIIQERN DYIDRTRRKSSEYRILPKIITSYKKNGTVDF
EPIFIGHLKYFDEDXXXXXXXXXXXXXXXXXVNL SKKNNPGRSGIEPKKMVRIDPRELYI
EDLRYSFKLLDEVKXXXXXXXXXXXXXXXXXNLYNEVQ EYDTARRAEKARLDKSLTFED
Q

>YPL106C | SSE1 (LPG3, MSI3)

MSTPFGDLGXXXXXXXXXXXXXXXXXXXXXXXXXSTPSVVGFGPKNRYLGEXXXXXXXXX
XXXTVANLKRIGLDYHHPDFEQESKHFTSKLVELDDKKTGXXXXXGEKHVFSATQXXX
XXXXXXXXXXXXXXXXKANITDVCIAVPPWYTEEQRYNIADAARIAGLNPVRIVNDVTAAGV
SYGIFKTDLPEGEEKPRIVAFVDIGHSSYTCSIMAFKKGQLKVLGTACDXXXXXXXXXXXX
XXXXXADEFKTKYKIDIRENPKAYNRILTAAEKLK KVL SANTNAPFSVESVMNDVDVSSQ
LSREELEELVKPLLERVTEPVTKALAQAKLSAEVDFVEIIGGTTRIPTLKQSISEAFGK
PLSTTLNQDEAIAKGAAFICAIHSPTLRVRPFKFEDIHPYXXXXXXXXXXXXXXXXXHMEVFP
AGSSFPSTKLITLNRTGDFSMAASYTDITQLPPNTPEQIANWEITGVQLPEGQDSVPXXX
XXRCDPSGLHTXXXXXXXXXXXXXXXXXPIPLXXXXXXXXXXXXXXXXXXXXXXXXXDDLTIVAHTF
GLDAKKNELIEKENEMLAQDKLVAETEDRKN TLXXXXXXXXXXXXXXXXXAPFASDAEKT
LQMLNKAEEWLYDEGFDSIXXX
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXTEGDVDM D

>YDR034C | LYS14

MFESVNL DENXXXXXXXXXXXXXXXXXXXXXXXXX SFTNSGTSTSCFEPKNNLPSLSF
LNARAXXXXXXXXXXXXXXXXXXIGGENVESTTSSNDG SNENXXXXXXXXXXXXXXXXXXXX
ISQADDNGHSSLTPNPAVTSTVTDKKG NXXXXXXXXXXXXXXXXXMKCDETKPTCWQCA
RLNRQC VYVLNPKNKKRRTSNAQRVKEFRKHSTSLDNDHNNXXXXXXXXXXXXXXXXXXXX
NLSEDTTDPKPITDNGKNVPXXXXXXXXXXXXXXXXXNGYDVNLLMQNLNDMVNMKLHD
SYLLNEELKGLDLPDLIPELLPASNVNSSVPISFLVNNVITFNTKLS SFKLGGIHDKYL
KIFYDCLDSIAPFFQNQGNPLRDILLSFAKNEAYLLSSILATGASIA YRKSNNLEDERN
YCAYLSHCLSLG EQFKNESVNLNRIEPIILTVIMLA WDCIYSMNSQWRSHLKGVTDLFK
KINAGNSSKVLNVAKCFKVMETFASISTVFGGSLIDNNDLDAIFDPYDYQYVDSLKFLN
IMTPLNEFNLLRGHKEDFDLVIKEVFKSLNTIRSTEKNYFSKEEGLFTK KLDYLLSSQT
SSEKSKDQISYFNTQKILVEIDKQLDYEFIDKSGIIPSDNQSHPRISNIHDNAIDMVTLK
NGEEVAISXXXXXXXXXXXXXXXXXXXXXXXXXGMPKESSTIQQVVKKIMSFFKFLDS DSPPQ
NSRTCYSNFAVLIAGLNAMDEETRAIVKRYKINGGKFQKLTEHNLNRLEKVWYGKNQNY
RLEEQDVLTW

>YJL124C | LSM1 (SPB8)

MSANSKDRNQSNQDAKRQQQNFPPKISEGEADLYLDQYNFTTTAAIVSSVDRKIFVLLRD
GRMLFGVLRFTDQYANLILQDCVERIYFSXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXVDIDKE
DQPLEAMERIPFKEAWLTKQKNDEKRFKEETHKGKMMARHGIVYDFHKSDMY

>YGL045W | RIM8 (PAL3, YGL046W, ART9)

MSLLRLWNKESRAPSKIKSHGIVGSYGN SMLAHNNVKQFRIDIDEPHRVWKP NESITGEA
VIDIKRDITNVAIKLSLVCEVRVKTGNSPTS KNKRIEKTLEKSTFLYGQDYVKTAFA SAK

KKPHVDKTTILNGLSKGEHRFPFRIRIPRGRGMLSSIKFERGSITYFLSCTLES LNNING
LKKPEARCEREFVIVPLDVSRLPKPKTKTVVLQSASMVQNKKNKSTEDSSSYTQLTQK
STTSNSSSSSVNSKTSPLPNKTVTISVDIPQAGFMIGEIIPIIDVKIDHXXXXXXXXXXXXX
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXICQSIPIYINPETLQFQSRVYLKVPLDAFSTLTTVG
KFFSFQYYIEVMVNLSKKNVYTESNRIIGTPIGEQNGLGVENNINRIQRKMLRMVNPET
LENDSEGYESSIFFKDMVNVEKLKRLRNVTGMSIETVIGTTRSEQQQSDASIPSQSSITA
PQNSPSNLRDWLAPLNAYDSDDVPVPKYSPNDKVSVPSEDKQELEQKRLQQLES DPPPCD
DY

Range of low complexity regions with p-values:

>YBL087C

135-137 p-value: 0.000e+00

>YAL018C

55-71 p-value: 3.583e-01

85-99 p-value: 4.927e-02

188-213 p-value: 5.761e-02

>YDL081C

65-81 p-value: 3.416e-15

>YDL136W

73-91 p-value: 1.474e-02

>YDR076W

53-68 p-value: 1.477e-02

152-154 p-value: 0.000e+00

>YLR181C

123-137 p-value: 3.642e-03

188-203 p-value: 7.773e-03

222-238 p-value: 2.896e-01

280-293 p-value: 2.045e-01

312-327 p-value: 4.125e-01

>YML062C

260-275 p-value: 3.766e-06

345-381 p-value: 2.494e-01

385-387 p-value: 0.000e+00

>YML063W

4-19 p-value: 1.504e-04

156-165 p-value: 1.587e-01

233-246 p-value: 5.227e-03

>YML121W

6-18 p-value: 2.628e-02

106-121 p-value: 3.739e-01

147-163 p-value: 3.768e-07

222-235 p-value: 8.926e-03

270-277 p-value: 2.437e-06

>YML017W

107-133 p-value: 3.523e-03
398-417 p-value: 1.589e-06
419-449 p-value: 4.673e-14
453-488 p-value: 1.160e-35
562-584 p-value: 1.753e-06

>YNL091W

5-21 p-value: 1.289e-10
26-42 p-value: 3.116e-02
71-103 p-value: 1.281e-01
144-166 p-value: 2.604e-03
206-230 p-value: 5.133e-02
452-483 p-value: 6.255e-16
524-538 p-value: 7.998e-09
556-580 p-value: 1.163e-30
617-635 p-value: 8.642e-02
637-668 p-value: 2.712e-70
671-690 p-value: 3.957e-11
692-709 p-value: 3.856e-10
712-730 p-value: 4.682e-04
732-755 p-value: 2.592e-14
992-1006 p-value: 1.856e-16

>YNR050C

105-122 p-value: 5.315e-01
263-279 p-value: 1.706e-01

>YNR051C

457-474 p-value: 2.093e-03

>YOL039W

67-99 p-value: 7.962e-06

>YOR106W

44-59 p-value: 4.544e-02
112-117 p-value: 1.344e-01
165-179 p-value: 2.032e-20
183-195 p-value: 1.421e-01
223-227 p-value: 1.214e-04
268-282 p-value: 1.654e-07

>YOR014W

16-55 p-value: 3.184e-43
85-104 p-value: 1.504e-17
106-122 p-value: 1.466e-05
126-141 p-value: 2.916e-10
143-147 p-value: 0.000e+00
303-321 p-value: 1.686e-01
550-576 p-value: 2.590e-02
679-701 p-value: 1.310e-01

>YOR038C

68-77 p-value: 1.977e-08

153-163 p-value: 6.273e-03

250-261 p-value: 1.094e-03

286-299 p-value: 2.306e-02

335-350 p-value: 5.636e-02

364-381 p-value: 5.410e-01

416-433 p-value: 5.955e-03

464-473 p-value: 2.976e-02

532-544 p-value: 2.096e-01

651-667 p-value: 1.021e-01

705-707 p-value: 0.000e+00

781-793 p-value: 3.567e-01

>YOR078W

158-173 p-value: 3.317e-02

>YOR382W

93-143 p-value: 3.373e-04

>YOR235W

34-49 p-value: 3.428e-03

>YOR293W

20-22 p-value: 0.000e+00

>YPL157W

7-20 p-value: 1.193e-06

56-58 p-value: 0.000e+00

83-94 p-value: 1.707e-02

277-290 p-value: 1.457e-04

292-303 p-value: 3.269e-03

>YPR172W

101-131 p-value: 2.137e-07

>YFL001W

49-80 p-value: 1.432e-01

83-98 p-value: 1.005e-01

422-437 p-value: 4.083e-01

>YNL284C

78-110 p-value: 2.240e-08

130-139 p-value: 1.788e-01

192-206 p-value: 2.714e-03

232-257 p-value: 2.871e-01

271-286 p-value: 3.359e-01

>YLR238W

25-51 p-value: 4.124e-01

110-115 p-value: 0.000e+00

281-309 p-value: 1.130e-01

>YBR201W

42-59 p-value: 4.060e-01

>YBR076W

136-150 p-value: 2.179e-01

157-174 p-value: 7.746e-02

>YBR106W

108-122 p-value: 3.375e-01

>YGL174W

21-42 p-value: 1.507e-06

49-68 p-value: 2.152e-02

179-181 p-value: 0.000e+00

200-217 p-value: 3.927e-01

>YGL199C

102-119 p-value: 8.051e-02

>YGL199C

102-119 p-value: 1.043e-01

>YGL031C

101-140 p-value: 5.496e-05

>YLR234W

21-23 p-value: 0.000e+00

62-75 p-value: 9.180e-02

180-195 p-value: 4.180e-01

202-211 p-value: 3.508e-02

272-275 p-value: 8.493e-17

305-321 p-value: 1.638e-01

395-428 p-value: 1.248e-02

438-457 p-value: 2.567e-01

464-472 p-value: 4.063e-02

475-487 p-value: 2.991e-01

506-522 p-value: 9.845e-02

>YGL049C

6-24 p-value: 1.031e-20

82-94 p-value: 8.293e-10

182-197 p-value: 1.659e-02

224-256 p-value: 5.860e-02

296-314 p-value: 1.244e-03

316-343 p-value: 8.565e-04

489-502 p-value: 3.374e-05

509-531 p-value: 3.174e-05

541-558 p-value: 3.331e-02

872-887 p-value: 4.075e-02

>YBR093C

38-55 p-value: 2.487e-01

111-122 p-value: 1.869e-18

385-400 p-value: 1.942e-02

>YDR128W

51-67 p-value: 2.241e-01
219-221 p-value: 0.000e+00
266-282 p-value: 8.873e-04
340-354 p-value: 1.831e-01
392-409 p-value: 5.340e-01
640-658 p-value: 2.933e-02
689-704 p-value: 3.624e-03
708-732 p-value: 2.591e-13
755-767 p-value: 4.268e-01
770-786 p-value: 5.685e-02
823-838 p-value: 3.381e-03
861-876 p-value: 2.368e-02
969-988 p-value: 2.156e-02
1057-1070 p-value: 1.519e-03

>YER155C

10-24 p-value: 3.391e-22
28-50 p-value: 8.634e-22
58-73 p-value: 1.722e-20
129-146 p-value: 2.870e-03
152-168 p-value: 4.605e-01
177-213 p-value: 7.774e-11
240-260 p-value: 9.957e-13
279-307 p-value: 4.444e-04
576-592 p-value: 3.403e-01
709-711 p-value: 0.000e+00
713-729 p-value: 7.680e-02
735-758 p-value: 9.180e-02
885-898 p-value: 1.638e-08
904-913 p-value: 5.864e-14
915-931 p-value: 4.790e-02
972-993 p-value: 2.488e-01
1069-1086 p-value: 1.662e-01
1121-1137 p-value: 1.832e-01
1148-1165 p-value: 1.044e-06
1319-1333 p-value: 4.308e-01
1336-1362 p-value: 4.338e-05
1529-1540 p-value: 1.261e-04
1701-1730 p-value: 3.698e-02
1766-1781 p-value: 1.615e-01
1831-1847 p-value: 8.076e-07
1850-1867 p-value: 7.333e-03
1886-1903 p-value: 1.613e-01
1912-1914 p-value: 0.000e+00
2006-2019 p-value: 2.001e-04
2067-2083 p-value: 2.790e-01
2104-2119 p-value: 3.595e-01

>YGL105W

73-95 p-value: 9.144e-02
168-191 p-value: 4.887e-20

262-265 p-value: 0.000e+00

>YGL136C

13-27 p-value: 5.693e-02

29-45 p-value: 2.108e-01

94-108 p-value: 3.091e-02

269-271 p-value: 0.000e+00

274-289 p-value: 2.612e-01

>YGL154C

63-78 p-value: 9.094e-07

174-192 p-value: 7.368e-02

194-212 p-value: 4.120e-01

>YGR092W

200-232 p-value: 3.249e-02

>YLR264W

48-62 p-value: 4.527e-01

>YOR070C

17-34 p-value: 7.808e-03

119-124 p-value: 1.087e-45

195-197 p-value: 0.000e+00

199-223 p-value: 5.656e-03

287-313 p-value: 9.641e-02

341-365 p-value: 1.629e-01

527-541 p-value: 2.681e-08

620-636 p-value: 1.888e-01

>YOR275C

25-39 p-value: 3.663e-02

252-267 p-value: 2.056e-02

302-325 p-value: 1.201e-10

343-358 p-value: 1.287e-01

375-391 p-value: 4.404e-01

396-406 p-value: 6.515e-03

453-481 p-value: 1.411e-01

555-571 p-value: 3.839e-01

615-632 p-value: 4.228e-03

>YPL106C

11-34 p-value: 1.032e-01

52-63 p-value: 1.333e-01

102-107 p-value: 6.683e-01

118-134 p-value: 4.555e-02

230-245 p-value: 3.052e-02

401-414 p-value: 1.255e-02

478-482 p-value: 2.903e-04

492-505 p-value: 8.929e-06

510-530 p-value: 3.344e-04

575-589 p-value: 3.617e-05

621-685 p-value: 8.506e-13

>YDR034C

11-37 p-value: 1.637e-03

66-84 p-value: 3.803e-01

104-166 p-value: 4.924e-02

223-278 p-value: 9.878e-02

669-690 p-value: 1.002e-02

>YJL124C

90-114 p-value: 2.532e-03

>YGL045W

289-323 p-value: 3.321e-01

Underlined low complexity regions:

>YBL087C

MSGNGAQQGTFKRISLGLPVGAIMNCADNSGARNLYIIAVKSGSRLNRLPAASLGDMVMA
TVKKGKPELRKKVMPAIVVRQAQSWRRRDGVFLYFEDNAGVIANPKGEMKGSAITGPVGK
ECADLWPRVASNSGVVV

>YAL018C

MSFTGSLALAGIGGLVYKFGGGQSYEKLPYVNIPFNQYLDKVKYKHHFSKVMRSRTRYVLMN
FFKDAFTGGAFMYPFKGFLEFNTNKSSYSTTMLGILSSYLIMFALVSFVYWATITPMYTA
FLIVLGPIGLFIAIFHSFLQANVFTLLFMRLSHFNNHLVEVCLEKNGLEENLSEVKPIKY
YAPINSIYFWAYYFPFKLVKYMLGLSVLFLVLLVISFFPLIGPILFHILISPFITQIYFTK
VLRQLQNFQNIQRRENIYLHAGQYASFGFLAGLIESVPILAGFAISTNTIGSVLFLNLDHPM
VPENLVETQAEIEAAPQDINQQPNQ

>YDL081C

MSTESALSYAALILADSEIEISSEKLLTLTNAANVPVENIWADIFAKALDQNLKDLLVN
FSAGAAAPAGVAGGVAGGEAGEAEAEEKEEEEEAKEESDDDDMGFGLFD

>YDL136W

MAGVKAYELRTKSKEQLASQLVDLKKELAEKLVQKLSRPSLPKIKTVRKSIACVLTVINE
QQREAVRQLYKGGKYQPKDLRAKKTRALRRALTKFEASQVTEKQRKKQIAFPQRKYAIIKA

>YDR076W

MSLGIPLSQLIVESPKPLSSGITGLDEILNLGFQARSIYEIFGPPGIGKTNFGIQLVCNS
LEGIQQSEINDDKILWIETFQEMPINILRERFQFKIVEENVKRVRITKFGQLLYFFQNL
FKLSQSVRYKLVIIDGFSQLVCDHLCTLKRGGMIDKTIHELKCRHLILIFTVMTKYTH
STGSTIIVLNDCMNTAFQSNEFESLEEYIEILDDGSNFFVNSNNERRKNNVHILKSALVA
NIAMGSKDSTWEVFLRDRIGLFRDWEQVDET V FVKSkrvkasssqsNEGCTTIKEMRIN
KRNfENLRIAIVFNLHGEDRKREGRNLKRSRSSDDRNYIVKFDKATGQLRDIIDLKPD
TANIASFPTLSTSSSSCSQVFNNIDSNDNPLPNAEGKEEIIYDSEG

>YLR181C

MASNAARVVATAKDFDKVGLGIIGYYLQLYAVELILSEEDRSQEMTALATELLDTIEAFK
KEIGGESEAEDSDKSLHVMNTLIHDQEKAKIYMLNFTMSLYNEKLLKQKDGPDVMLKRS
LWCCIDLFSCILHLWKENISETSTNSLQKRIKYCKIYLSKLAKGEIGSSDEKTLDYADFA
DDSEEIKDEDVDHQTSDLENNNNNDKVEGLAPKDQTTSYEPVDEVPEFIDDADSVNEEEQ
VDKNEDAITKDEQQVVKKEVDLTRPSAPSEPAEAAEHKSYTKDELTKIMDRASKIEQIQKL

AKY AISALNYEDLPTAKDELTKALDLLNSI

>YML062C

MPLSQKQIDQVRTKVHYSEVDTPFNKYLDILGKVTKLTGSIINGTLSNDDSKIEKLTEQN
ISQLKESAHLRFLDLQSSIDTKKVADENWETCQQETLAKLENLKDCLPDIKSIHSKLLLR
IGKLQGLYDSVQVINREVEGLSEGRTSLVVTRAWEKELGTDLVKFLIEKNYLKLVDPGL
KKDSSEERYRIYDDFSKGPKELESINASMKSIDIENVRQEVSSYKEKWLRDAEIFGKITSI
FKEELLKRDLGLLNEAEGDNIDEDYESDEDEERKERFKRQRSMVEVNTIENVDEKEESDHE
YDDQEDEENEEEDDMEVDVEDIKEDNEVDGESSQQEDNSRQGNNEETDKETGVIEEPDAV
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>YML063W

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