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YHR055C CUP1B YPR112C YPR112C YGR076C MRPL25 YOR060C YOR060C YDR495C VPS3 YLR269C YLR269C YGL117W YGL117W YCR008W SAT4 YJR013W YJR013W YML070W DAK1 YHR128W FUR1 YKL185W ASH1 YBR240C THI2 YGR149W YGR149W YOR133W EFT1 YOR206W YOR206W YGL118C YGL118C YFL066C YFL066C YOL102C TPT1 YCR009C **RVS161** YNL050C YNL050C **YMR175W** SIP18 YLR196W PWP1 YIR035C YIR035C YHR056C YHR056C YKL186C MTR2 YHR129C ARP1 YGR077C PEX8 YDR496C YDR496C YOR207C RET1 YAL019W YAL019W YIL003W YIL003W YHL024W NOS1 YGL045W YGL045W YNL123W YNL123W YJR014W YJR014W YIL004C BET1 YPR040W YPR040W YBR241C YBR241C YPR113W PIS1 YOR061W CKA2 YOR134W BAG7 YML072C YML072C YLR197W SIK1 YIR036C YIR036C YHR057C CYP2 YKL187C YKL187C YGR078C PAC10 YOR062C YOR062C

YOR135C YOR135C YDR497C ITR1 YHL025W SNF6 YLR198C YLR198C YGL046W YGL046W YGL119W ABC1 YOL030W YOL030W YFL067W YFL067W YOL103W ITR2 YNL124W YNL124W YJR015W YJR015W YDR200C YDR200C YPR041W TIF5 YHL026C YHL026C YPR114W YPR114W YOR208W PTP2 YOL031C YOL031C YOL104C NDJ1 YNL125C ESBP6 YMR177W MMT1 YJR016C ILV3 YML073C RPL6A YHR058C MED6 YKL188C PXA2 YDR498C SEC20 YOR209C NPT1 YIL005W YIL005W YBR242W YBR242W YLR199C YLR199C YPL010W RET3 YGL047W YGL047W YFL068W YFL068W YNL052W COX5A YIR037W HYR1 YBR170C NPL4 YGR079W YGR079W YPR115W YPR115W YBR243C ALG7 YPL011C TAF47 RPL3 YOR063W YGL048C RPT6 YOR136W IDH2 YOL105C WSC3 YMR178W YMR178W YML074C NPI46 YJR017C ESS1 YIR038C GTT1 YOR064C YOR064C

YOR137C

YOR137C

SPC19 YDR201W YIL006W YIL006W YHL027W RIM101 YOL032W YOL032W YNL053W MSG5 YNL126W SPC98 YGR290W YGR290W YDR202C YDR202C YIL007C YIL007C YHR059W YHR059W YMR251W-A HOR7 YKL189W HYM1 YPR043W RPL43A YPR116W YPR116W YDR499W YDR499W YGL049C TIF4632 YMR179W SPT21 YML075C HMG1 YGR291C YGR291C YIR039C YPS6 YOR138C YOR138C YBR171W SEC66 YBR244W YBR244W YHL028W WSC4 YPL012W YPL012W YOL033W MSE1 YOL106W YOL106W YNL054W VAC7 YNL127W YNL127W YJR018W YJR018W YDR130C YDR130C YBR172C SMY2 YBR245C ISW1 YHL029C YHL029C YPR117W YPR117W YPL013C YPL013C YOR065W CYT1 YNL055C POR1 YJR019C TES1 YML076C YML076C YPR045C YPR045C YOR139C YOR139C YGL260W YGL260W YIL008W YIL008W YOL034W YOL034W YOL107W YOL107W YER110C **KAP123** YNL128W TEP1 YGR292W MAL12

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YDR206W EBS1 YGL263W COS12 YCL050C APA1 **YBR175W** YBR175W YBL071C YBL071C YER113C YER113C YML079W YML079W YOR352W YOR352W YDR207C UME6 YPR048W TAH18 YJR160C YJR160C YBR249C ARO4 YOR069W VPS5 YPL017C YPL017C YDL102W CDC2 YNL059C ARP5 YOR280C YOR280C YOR353C YOR353C YJL201W ECM25 YPR049C YPR049C YER040W GLN3 YDR061W YDR061W YGL191W COX13 YCR082W YCR082W YDL103C QRI1 **YBR176W** ECM31 YBL072C RPS8A YOL038W PRE6 YJL202C YJL202C YIL150C DNA43 YER114C BOI2 YGR296W YRF1-3 YDR135C YCF1 YNL270C ALP1 YBR177C EHT1 YJR161C COS5 PRP9 YDL030W YCL051W LRE1 YOR281C YOR281C YOR354C YOR354C YFR020W YFR020W YER041W YER041W YDR062W LCB2 YGL192W IME4 YDR208W MSS4 YCR083W TRX3 YDL104C QRI7 YCL052C PBN1 YPL018W CTF19

YJL130C URA2 YOL039W RPP2A YIL151C YIL151C YER115C SPR6 YDR136C YDR136C YGL193C YGL193C YCR084C TUP1 YDR209C YDR209C YLR120C YPS1 YNL271C BNI1 YJR162C YJR162C YEL010W YEL010W YPL019C YPL019C YDL031W DBP10 YBL073W YBL073W YJL203W PRP21 YFR021W YFR021W YER042W MXR1 YDR063W YDR063W YBR178W **YBR178W** YKL110C KTI12 YBL074C AAR2 YGR001C YGR001C YJL131C YJL131C YJL204C YJL204C YER043C SAH1 YER116C YER116C YOR282W YOR282W YGL194C HOS2 YOR355W GDS1 YLR121C YPS3 YBR179C FZO1 YNL272C SEC2 YJR090C GRR1 YEL011W GLC3 YDL032W YDL032W YDL105W QRI2 YDR420W HKR1 YFR022W YFR022W YIL152W YIL152W YMR100W MUB1 YDR064W RPS13 YDR137W RGP1 YPL230W USV1 YDL033C YDL033C YCR085W YCR085W YDL106C GRF10 YKL111C YKL111C YBL075C SSA3

YGR002C YGR002C YER044C YER044C YMR101C YMR101C YOR283W YOR283W YOR356W YOR356W YLR122C YLR122C YJR091C JSN1 UBC8 YEL012W YCL054W SPB1 YPR190C RPC82 YOR357C GRD19 YJL132W YJL132W YDR421W YDR421W YFR023W PES4 YIL153W RRD1 YER117W RPL23B YDR065W YDR065W YPL231W FAS2 YDR138W HPR1 YCR086W YCR086W YKR070W YKR070W YNL273W TOF1 YBL076C ILS1 YDR422C SIP1 YJL206C YJL206C YFR024C YFR024C YIL154C YIL154C YER045C YER045C YER118C SHO1 YDR066C YDR066C YMR102C YMR102C YLR050C YLR050C YOR284W YOR284W YDR139C RUB1 YLR123C YLR123C YKR071C YKR071C YNL274C YNL274C YEL013W VAC8 YDL034W YDL034W YDL107W MSS2 YCL055W KAR4 YKL112W ABF1 YHR001W-A QCR10 YGR003W YGR003W YJL060W YJL060W YJL133W MRS3 YEL014C YEL014C YPL232W SS01 YGL196W YGL196W

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YPL234C VMA11 YOR359W YOR359W YKR073C YKR073C YJR094C IME1 YNL276C YNL276C YEL015W YEL015W YPR193C HPA2 YCL057W PRD1 YKL041W VPS24 YOR287C YOR287C YJL062W LAS21 YJL135W YJL135W YDR351W SBE2 YIL156W UBP7 YNR010W CSE2 YDR068W DOS2 YEL016C YEL016C YGL198W YGL198W YLR052W YLR052W YCR089W FIG2 YLR125W YLR125W YCL058C YCL058C YKL115C YKL115C YJL063C MRPL8 YJL136C RPS21B YIL084C SDS3 YNR011C PRP2 YIL157C YIL157C YER048C CAJ1 YPL162C YPL162C YDR069C DOA4 YMR105C PGM2 YLR053C YLR053C YGL199C YGL199C YLR126C YLR126C YLL021W SPA2 YPR194C YPR194C YKL042W SPC42 YBL079W NUP170 YOR288C MPD1 YGR006W PRP18 YDR352W YDR352W YDR425W YDR425W YFR027W YFR027W YJL209W CBP1 YMR032W HOF1 YPL235W TIP49B YLL022C HIF1 YKR074W YKR074W

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YAL022C YAL022C YHR204W YHR204W YGR225W **SPO70** YGL121C YGL121C YMR251W YMR251W YDR288W YDR288W YDL184C RPL41A YLR345W YLR345W YHR132C ECM14 YGR226C YGR226C YMR252C YMR252C YDR289C **RTT103** YLR273C PIG1 YLR346C YLR346C PGK1 YCR012W YBR033W YBR033W YPL099C YPL099C YBR106W **PHO88** YAL023C PMT2 YHR205W SCH9 YGR080W TWF1 YGR153W YGR153W YGL122C NAB2 YOR210W RPB10 YCR013C YCR013C YBR034C HMT1 YNL200C YNL200C YBR107C MCM19 YLR419W YLR419W YHR133C YHR133C YGR081C YGR081C YGR154C YGR154C YBL002W HTB2 YOR211C MGM1 YMR180C CTL1 YMR253C YMR253C YMR326C YMR326C KAP95 YLR347C YBL003C HTA2 YDL185W VMA1 YAL024C LTE1 YHR060W VMA22 YKL190W CNB1 YHR206W SKN7 YGR227W DIE2 POL4 YCR014C YBR035C PDX3 YNL201C YNL201C YLR274W CDC46

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YOL115W TRF4 YNL063W YNL063W YNL136W YNL136W YML084W YML084W YNL209W SSB2 YBR181C RPS6B YBR254C TRS20 YHL038C CBP2 YOR147W YOR147W YOL043C NTG2 YNL064C YDJ1 YNL137C NAM9 YMR189W GCV2 YML085C TUB1 YOR148C SPP2 YDR212W TCP1 YPL022W RAD1 YGL059W YGL059W YOL116W MSN1 YKR007W YKR007W YPR054W SMK1 YBR182C SMP1 YPR127W YPR127W YOR075W UFE1 YPL023C MET12 YML086C ALO1 YPR128C YPR128C YOR076C SKI7 YDR140W YDR140W YOR149C SMP3 YDR213W YDR213W YIL018W RPL2B YBR255W YBR255W YHL039W YHL039W YOL044W PEX15 YOL117W YOL117W YKR008W RSC4 YNL065W YNL065W YNL138W SRV2 YDR141C DOP1 YPR055W SEC8 YBR256C RIB5 YOL118C YOL118C YKR009C FOX2 YNL139C RLR1 YML087C YML087C YOR360C PDE2 YER120W SCS2 YDR214W YDR214W

YDL110C YDL110C YIL019W YIL019W **YBR183W** YBR183W YPL024W NCE4 YOL045W YOL045W YNL066W SUN4 YDR142C PEX7 YCR090C YCR090C YDR215C YDR215C YPR056W TFB4 YPR129W SCD6 YOR077W RTS2 YPL025C YPL025C YOL046C YOL046C YOL119C YOL119C YOR361C PRT1 YER121W YER121W YDL111C RRP42 YBR184W YBR184W YBR257W POP4 YBL080C **PET112** YNL067W RPL9B YER122C GLO3 YML088W YML088W YDR070C YDR070C YDR143C SAN1 YPR057W BRR1 YBR185C MBA1 YBR258C YBR258C YOR078W YOR078W YPL026C SHA3 YOL047C YOL047C YNL068C FKH2 YML089C YML089C YOR362C PRE10 YJL210W PEX2 YOR079C ATX2 YDR216W ADR1 YCR091W KIN82 YLR200W YKE2 YJL211C YJL211C YDR500C RPL37B YER050C YER050C YDR071C YDR071C YDR144C MKC7 YDR217C RAD9 YCR092C MSH3 YLR201C YLR201C YPR058W YMC1

YOL048C YOL048C YDL112W TRM3 YNL069C RPL16B YBL081W YBL081W YOR290C SNF2 YOR363C PIP2 YER123W YCK3 YDL040C NAT1 YDL113C YDL113C YCL061C YCL061C YBR186W PCH2 YBR259W YBR259W YBL082C RHK1 YPL027W YPL027W YJL212C YJL212C YIL160C POT1 YER124C YER124C YDR072C IPT1 YDR218C SPR28 YLR202C YLR202C YER087C-A SBH1 YFR030W MET10 YDR501W PLM2 YER051W YER051W YEL020C YEL020C YDR145W TAF61 YCR093W CDC39 YBR187W YBR187W YBL083C YBL083C YPL028W ERG10 YFR031C SMC2 YOL049W GSH2 YDR502C SAM2 YER052C HOM3 YOR291W YOR291W YDR146C SWI5 YDR219C YDR219C YOR364W YOR364W YLR130C ZRT2 YLR203C MSS51 YBR188C NTC20 YDL041W YDL041W YDL114W YDL114W YGR010W YGR010W YOR292C YOR292C YJL140W RPB4 YOR365C YOR365C YJL213W YJL213W YIL161W YIL161W

YER125W RSP5 YDR073W SNF11 YDL042C SIR2 YCR094W CDC50 YDL115C YDL115C YNL281W HCH1 YPL029W SUV3 YJL141C YAK1 YDR430C YDR430C YFR032C YFR032C YDR503C LPP1 YER053C YER053C YER126C YER126C YMR110C YMR110C YPL240C HSP82 YCR095C YCR095C YLR131C ACE2 YEL021W URA3 YCL063W YCL063W YKL120W OAC1 YGR011W YGR011W YJL214W HXT8 YIL162W SUC2 YDR074W TPS2 YDR147W EKI1 YDL043C PRP11 YLR204W QRI5 YCL064C CHA1 POP3 YNL282W YBR189W RPS9B YJL142C YJL142C YJL215C YJL215C YFR033C QCR6 YDR504C YDR504C YIL163C YIL163C YER054C GIP2 YMR111C YMR111C YDR148C KGD2 YPL241C CIN2 RPS10A YOR293W YOR366W YOR366W YLR132C YLR132C YCR096C A2 YLR205C YLR205C DEG1 YFL001W YNL283C WSC2 YEL022W GEA2 NUP84 YDL116W YBL085W BOI1

YKL121W YKL121W YGR012W YGR012W YIL090W YIL090W YDR431W YDR431W YFL002C SPB4 YER127W LCP5 YDR075W PPH3 YEL023C YEL023C YDL044C MTF2 YKR080W MTD1 YKL122C SRP21 YBL086C YBL086C YFR034C PHO4 YJL216C YJL216C YIL091C YIL091C YDR505C PSP1 YIL164C NIT1 YER055C HIS1 YMR112C MED11 YOR294W RRS1 YPL242C IQG1 YOR367W SCP1 YKR081C YKR081C YNL284C MRPL10 YDL117W YDL117W YCL065W YCL065W YGR013W SNU71 TIM17 YJL143W YDR432W NPL3 YFL003C MSH4 YER128W YER128W YDR076W RAD55 YLR060W FRS1 FAD1 YDL045C YLR133W CKI1 YLR206W ENT2 YKL050C YKL050C YBL087C RPL23A YFR035C YFR035C YDR506C YDR506C YIL165C YIL165C YER056C FCY2 YOR295W YOR295W YOR368W RAD17 YCR098C GIT1 YEL024W RIP1 YDL118W YDL118W YCL066W ALPHA1 YKL123W YKL123W

YGR014W MSB2 YJL071W ARG2 YDR360W YDR360W RPS12 YOR369C YJL144W YJL144W YJL217W YJL217W YDR433W YDR433W YIL092W YIL092W YER129W PAK1 YMR040W YMR040W YMR113W YMR113W YEL025C YEL025C YDR077W SED1 YPL243W SRP68 YLR061W RPL22A YLR134W PDC5 YKR082W **NUP133** YDL119C YDL119C YLR207W HRD3 YLL030C YLL030C YCL067C ALPHA2 YNL285W YNL285W YBL088C TEL1 YGR015C YGR015C YJL072C YJL072C YDR361C YDR361C YIL093C YIL093C YDR507C GIN4 YNR020C YNR020C YIL166C YIL166C YER057C HIG1 YMR041C YMR041C YMR114C YMR114C YDR078C YDR078C YPL171C OYE3 YOR296W YOR296W YLR062C YLR062C YPL244C YPL244C YCR099C YCR099C YKR083C YKR083C YFL004W YFL004W YDL046W YDL046W YKL051W YKL051W YKL124W SSH4 YOR297C TIM18 YJL145W YJL145W YJL218W YJL218W YFR036W CDC26 YDR434W YDR434W

YLR135W YLR135W YLR208W SEC13 YLL031C YLL031C YCL068C YCL068C YNL286W CUS₂ YKL052C YKL052C YDR362C TFC6 YFR037C RSC8 YIL094C LYS12 YDR435C YDR435C YDR508C GNP1 YPL172C COX10 YHR039C-A VMA10 YLR136C TIS11 YKR084C HBS1 YLR209C YLR209C YFL005W SEC4 YEL026W SNU13 YML010W SPT5 YDL047W SIT4 YKL125W RRN3 YBL089W YBL089W YJL073W JEM1 YGR016W YGR016W YJL146W IDS2 YJL219W HXT9 YNR021W YNR021W YER058W **PET117** YMR042W ARGR1 **YMR115W** YMR115W YDR079W **PET100** YLR063W YLR063W YML011C YML011C YPL245W YPL245W YLL032C YLL032C YNL287W SEC21 YJL074C SMC3 YJL147C YJL147C YNR022C YNR022C YMR116C ASC1 YPL246C YPL246C YOR298W YOR298W YKR085C MRPL20 YFL006W YFL006W YCL069W YCL069W YKL053W YKL053W YKL126W YPK1 YDR290W YDR290W YGR017W YGR017W

YOR001W RRP6 YDR363W ESC₂ YFR038W YFR038W PPZ2 YDR436W YIL095W PRK1 YDR509W YDR509W YIL168W SDL1 YLR420W URA4 YER059W PCL6 YMR043W MCM1 YPL173W MRPL40 YLR064W YLR064W YDL049C KNH1 YLR137W YLR137W YKL054C YKL054C YNL288W YNL288W YGR018C YGR018C YJL075C YJL075C YDR364C CDC40 YIL096C YIL096C YFR039C YFR039C YIL169C YIL169C YLR421C YLR421C YPL174C NIP100 YMR117C SPC24 YOR299W BUD7 YPL247C YPL247C YLR065C YLR065C YFL007W BLM3 YEL028W YEL028W YML012W ERV25 YLL033W YLL033W YKL127W PGM1 YDR291W YDR291W YJL148W RPA34 YOR002W ALG6 YDR437W YDR437W YNR023W SNF12 YMR044W YMR044W YEL029C YEL029C YLR138W NHA1 YLL034C YLL034C YKR086W PRP16 YKL055C OAR1 YKL128C PMU1 SRP101 YDR292C YDR365C YDR365C YMR118C YMR118C YPL248C GAL4

YLR139C SLS1 YKR087C YKR087C YFL008W SMC1 YML013W YML013W YJL076W NET1 YGR019W UGA1 YOR003W YSP3 YJL149W YJL149W YIL097W YIL097W YDR438W YDR438W YNR024W YNR024W YLR422W YLR422W YPL175W SPT14 YLR066W SPC3 YKL056C YKL056C YKL129C MYO3 YJL077C YJL077C YDR293C SSD1 YDR366C YDR366C YIL098C FMC1 YNR025C YNR025C YLR423C YLR423C YBR110W ALG1 YPL176C YPL176C YPL249C YPL249C YLR067C PET309 YKR088C YKR088C CDC4 YFL009W YGR230W BNS1 YML014W YML014W YLL035W YLL035W YBR111C YSA1 YOR004W YOR004W YLR350W YLR350W YDR439W LRS4 YHR210C YHR210C YJL205C-A NCE101 TAF40 YML015C YGR231C PHB2 YLL036C PRP19 YKL057C **NUP120** YDR294C DPL1 YJL078C PRY3 YOR005C DNL4 YLR351C NIT3 SEC12 YNR026C YMR047C NUP116 YPL177C CUP9 YKR089C YKR089C

YGL200C EMP24 YBR112C SSN6 YAR060C YAR060C YDL190C UFD2 YIL099W SGA1 YLR424W YLR424W YLR068W YLR068W YML016C PPZ1 YDR295C YDR295C YJL079C PRY1 YOR006C YOR006C YLR069C MEF1 YHR211W FLO5 YGR232W YGR232W YGL201C MCM6 YLL037W YLL037W YKL058W TOA2 YDR368W YPR1 YLR352W YLR352W YLR425W TUS1 YNR027W YNR027W YMR048W YMR048W YHR212C YHR212C YPL178W MUD13 YER044C-A MEI4 YGR233C PHO81 YLL038C ENT4 YKL059C YKL059C YLR280C YLR280C YDR369C XRS2 YOR007C SGT2 YMR049C YMR049C YBR040W FIG1 **YBR113W YBR113W** YAR061W YAR061W YDL191W RPL35A YGR160W YGR160W YCR020C PET18 YLR353W BUD8 YNR028W CPR8 YLR426W YLR426W YPL179W SAL6 YGR161C YGR161C YML018C YML018C YAL030W SNC1 YLL039C UBI4 YMR260C TIF11 YOR008C SLG1 YLR281C YLR281C

YLR354C TAL1 YNR029C YNR029C YGL202W ARO8 YBR041W FAT1 YBR114W RAD16 YBL010C YBL010C YAR062W YAR062W YDL192W ARF1 YAL031C YAL031C YHR140W YHR140W YHR213W YHR213W YGR234W YHB1 YGL203C KEX1 YCR021C HSP30 YBR042C YBR042C YBR115C LYS2 YDR297W SUR2 YLR427W YLR427W YHR141C RPL42B YGR235C YGR235C YMR261C TPS3 YDR298C ATP5 YLR282C YLR282C YGL130W CEG1 YLR355C ILV5 YLR428C YLR428C YDL193W YDL193W YAL032C PRP45 YHR214W YHR214W YGR162W TIF4631 YDR001C NTH1 YML019W OST6 YGL131C YGL131C YCR022C YCR022C YGL204C YGL204C YBR043C YBR043C YBR116C YBR116C YJR100C YJR100C YOR009W YOR009W YBL011W SCT1 YGR236C YGR236C YBL012C YBL012C YAR064W YAR064W YDL194W SNF3 YHR142W CHS7 PHO12 YHR215W YGR090W YGR090W YGR163W GTR2 YOR220W YOR220W YCR023C YCR023C YBR044C TCM62 YBR117C TKL2 YMR262W YMR262W YDR299W BFR2 YLR283W YLR283W YLR356W YLR356W YLR429W CRN1 YPR200C ARR2 YGR237C YGR237C YOR221C MCT1 POP5 YAL033W YMR190C SGS1 YLR284C ECI1 YDR002W YRB1 YGL132W YGL132W YGL205W POX1 YNL210W MER1 YJR101W YJR101W YDL195W SEC31 YAL034C YAL034C YHR070W YHR070W YHR143W YHR143W YGR091W PRP31 YHR216W YHR216W YGR164W YGR164W YCR024C YCR024C GIP1 YBR045C YMR263W YMR263W YNL211C YNL211C YJR102C YJR102C YLR357W RSC2 YHR144C DCD1 YGR238C KEL2 YBL013W YBL013W YGL060W YGL060W YDR003W YDR003W YGL133W YGL133W YLR358C YLR358C YBR118W TEF2 YBL014C RRN6 YDL196W YDL196W YHR071W PCL5 YHL040C ARN1 YGR092W DBF2 YPR201W ARR3 YGR165W YGR165W YGL061C DU01 YOR222W YOR222W

YCR025C YCR025C YBR046C ZTA1 **YMR191W** YMR191W YMR264W CUE1 YJR030C YJR030C YDL197C ASF2 YLR285W YLR285W YHR145C YHR145C YGR239C PEX21 YAL035W YAL035W YMR265C YMR265C YDR004W RAD57 YLR286C CTS1 YGL134W PCL10 YGL207W SPT16 YNL212W YNL212W YBR119W MUD1 YJR103W URA8 YAL036C YAL036C YHR072W ERG7 YIL020C HIS6 YHR218W YHR218W YGR093W YGR093W YPR202W YPR202W YGR166W KRE11 **YOR150W** MRPL23 YDR005C MAF1 YOR223W YOR223W YCR026C YCR026C YKR010C TOF2 YMR192W YMR192W YNL140C YNL140C YJR031C GEA1 YNL213C YNL213C YJR104C SOD1 YDL198C YHM1 YLR359W ADE13 YPR130C YPR130C YBL015W ACH1 YOR151C RPB2 YOR224C RPB8 YHL041W YHL041W YGL062W PYC1 YLR287C YLR287C YGL135W RPL1B YGL208W SIP2 YBR047W YBR047W YAR068W YAR068W YHR073W YHR073W YHR146W YHR146W YHR219W YHR219W YGR094W VAS1 YPR203W YPR203W YGR167W CLC1 YDR006C SOK1 YGL136C YGL136C YCR027C RSG1 YOL120C RPL18A YKR011C YKR011C **YMR193W** MRPL24 YMR266W YMR266W YDL199C YDL199C YHR147C MRPL6 YPR131C YPR131C YGR095C RRP46 YGR168C YGR168C YOR152C YOR152C YBL016W FUS3 YAL037W YAL037W YIL021W RPB3 YHL042W YHL042W YLR288C MEC3 YGL063W PUS₂ YGL209W MIG2 YBR048W RPS11B YNL141W AAH1 YNL214W PEX17 YJR032W CPR7 YJR105W YJR105W YBL017C PEP1 YHR074W YHR074W YPR204W YPR204W YGL064C YGL064C YOR225W YOR225W YCR028C FEN2 YKR012C YKR012C YBR049C REB1 YMR194W RPL36A YMR267W PPA2 YJR033C YJR033C YHR075C YHR075C YGR169C YGR169C YOR226C ISU2 YJL001W PRE3 CDC19 YAL038W YIL022W TIM44 YMR268C PRP24 YHL043W ECM34

YPL100W YPL100W YDR007W TRP1 YGL137W SEC27 YNL142W MEP2 YNL215W YNL215W YML090W YML090W YJR106W ECM27 YBL018C POP8 YJL002C OST1 YAL039C CYC3 YIL023C YIL023C YHR148W IMP3 YBR260C RGD1 YPR132W RPS23B YGR096W YGR096W YOR080W YOR080W YGL065C ALG2 YOR153W PDR5 YGL138C YGL138C YOL122C SMF1 **YMR195W** YMR195W YNL143C YNL143C YML091C RPM2 YER066C-A YER066C-A YLR289W GUF1 YHR149C YHR149C YPR060C ARO7 YPR133C YPR133C YOR081C YOR081C YHL044W YHL044W YPL101W YPL101W YKR013W PRY2 YNL070W TOM7 YNL216W RAP1 YJR034W **PET191** YJR107W YJR107W YHR076W YHR076W YIL024C YIL024C YBR261C YBR261C YGR097W ASK10 YOR154W YOR154W YPL102C YPL102C YOL050C YOL050C YOR227W YOR227W YKR014C YPT52 YNL144C YNL144C YMR269W YMR269W YML092C PRE8 YHR077C NMD2

YPR061C YPR061C YGR098C ESP1 YOR082C YOR082C YBL019W APN2 YOR155C YOR155C YOR228C YOR228C YJL003W YJL003W YMR197C VTI1 YHL045W YHL045W YGL066W YGL066W YDR009W GAL3 YGL139W YGL139W HRP1 YOL123W YNL071W LAT1 YJR035W RAD26 YNL217W YNL217W YJR108W YJR108W YDR220C YDR220C YJL004C SYS1 YIL025C YIL025C YPR134W MSS18 YBR262C YBR262C YHL046C YHL046C YPL103C YPL103C YOL124C YOL124C YKR015C YKR015C YJR036C YJR036C CPA2 YJR109C YOR156C NFI1 YPL030W YPL030W YGL067W YGL067W YOL051W GAL11 YNL072W RNH35 YNL145W MFA2 YML093W YML093W YNL218W YNL218W YIL026C IRR1 YHR078W YHR078W YPR062W FCY1 YHL047C YHL047C YPR135W CTF4 YGR099W TEL2 YPL031C PH085 YOR083W YOR083W YOR229W WTM2 SPE2 YOL052C YMR198W CIK1 ALG9 YNL219C YHR079C IRE1

YPR063C YPR063C YPR136C YPR136C YOR157C PUP1 YDR221W YDR221W YJL005W CYR1 YBR190W **YBR190W** YBR263W SHM1 YPL104W MSD1 YGL068W YGL068W YOL125W YOL125W YKR016W YKR016W YNL073W MSK1 YNL146W YNL146W YML094W GIM5 YJR037W YJR037W YKL096W-A CWP2 YJL006C CTK2 YIL027C YIL027C YBR264C YPT10 YOR084W YOR084W YPL032C SVL3 YPL105C YPL105C YGL069C YGL069C YOL126C MDH2 YKR017C YKR017C YNL074C MLF3 **YMR199W** CLN1 YJR038C YJR038C YML095C RAD10 YDR222W YDR222W YBR191W RPL21A YHL048W COS8 YOL053W YOL053W YNL147W LSM7 YJL007C YJL007C YPR064W YPR064W YPR137W YPR137W YHL049C YHL049C YPL033C YPL033C YOR085W OST3 **YOR158W** PET123 YPL106C SSE1 YKR018C YKR018C YNL148C ALF1 MEP3 YPR138C YOR086C YOR086C **YDR150W** NUM1 YOR159C SME1 YDR223W YDR223W

YIL028W YIL028W YBR192W RIM2 YBR265W TSC10 YOL054W YOL054W YOL127W RPL25 YNL075W IMP4 YER130C YER130C YJR039W YJR039W YML096W YML096W YDR151C CTH1 YDR224C HTB1 YJL008C CCT8 YIL029C YIL029C YPR065W ROX1 YBR193C MED8 YBR266C YBR266C YOL055C THI20 YOL128C YOL128C YKR019C IRS4 YNL149C YNL149C YML097C VPS9 YOR370C MRS6 YPR139C YPR139C YPL034W YPL034W YPL107W YPL107W YNL076W MKS1 YPR066W UBA3 YPL035C YPL035C YOR087W YOR087W YDL120W YFH1 YOR371C YOR371C YER131W RPS26B YDR152W YDR152W YDR225W HTA1 YJL009W YJL009W YDL121C YDL121C YBR194W YBR194W YBR267W YBR267W YPL108W YPL108W YOL056W GPM3 YOL129W YOL129W YNL077W YNL077W YER132C PMD1 YML098W TAF19 YDR153C YDR153C YBR195C MSI1 YPR067W ISA2 YOR088W YOR088W YPL109C YPL109C

YBL090W MRP21 YML099C ARGR2 YOR372C NDD1 YJL220W YJL220W YPR068C HOS1 YOR089C VPS21 YDR080W VPS41 YDR226W ADK1 YLR210W CLB4 YBL091C MAP2 YBR268W MRPL37 YPL036W PMA2 YJL221C FSP2 YOL057W YOL057W YNL078W YNL078W YDR081C PDC2 YLR211C YLR211C YBR196C PGI1 YBR269C YBR269C YPL037C EGD1 YDL122W UBP1 YNL079C TPM1 YDR510W SMT3 YPR069C SPE3 YER060W FCY21 YER133W GLC7 YDR227W SIR4 YDL050C YDL050C YCL026C-A FRM2 YKL201C MNN4 YOL058W ARG1 YER061C CEM1 YER134C YER134C YDR155C CPH1 YDR228C PCF11 YLR212C TUB4 YBR197C YBR197C YDL123W YDL123W YJL222W VTH2 **SAP155** YFR040W YIL170W HXT12 YDR511W YDR511W YDR082W STN1 YNL290W RFC3 YBL093C ROX3 YPL038W MET31 YGR020C VMA7 YFR041C YFR041C YOL059W GPD2

YJL223C PAU1 YDR512C YDR512C YER062C HOR2 YER135C YER135C YOR374W ALD4 YLR213C CRR1 YBR198C TAF90 YNL291C MID1 YEL030W ECM10 YDL051W YLA1 YDL124W YDL124W YKL202W YKL202W YOR375C GDH1 YJL150W YJL150W YFL010C YFL010C YDR083W YDR083W YDR156W RPA14 YDR229W YDR229W YLR140W YLR140W YDL052C SLC1 YDL125C HNT1 YCL073C YCL073C YKL130C SHE2 YBL094C YBL094C YKL203C TOR2 YPL039W YPL039W YJL151C YJL151C YIL172C YIL172C YMR120C ADE17 YDR084C YDR084C YPL250C YPL250C YEL031W SPF1 YGR021W YGR021W YDR440W PCH1 YFR042W YFR042W YDR513W TTR1 YER063W THO1 YER136W GDI1 YDL053C YDL053C YLR141W RRN5 YLR214W FRE1 YDL126C CDC48 YBR199W KTR4 YGR022C YGR022C YFR043C YFR043C APT2 YDR441C YDR514C YDR514C YER064C YER064C YER137C YER137C

YMR121C RPL15B YDR085C AFR1 YOR376W YOR376W YLR215C YLR215C YFL011W HXT10 YEL032W MCM3 YHR001W YHR001W YKL131W YKL131W YBL095W YBL095W YKL204W YKL204W YJL152W YJL152W YIL173W VTH1 YPL251W YPL251W **YDR158W** HOM2 YLR142W PUT1 YDL054C YDL054C YKR090W YKR090W YNL293W MSB3 YBL096C YBL096C YKL132C YKL132C YJL080C SCP160 YJL153C INO1 YFR044C YFR044C YER065C ICL1 YMR122C YMR122C YDR086C SSS1 YLR070C YLR070C YPL252C YAH1 YOR377W ATF1 YLR216C CPR6 YNL294C YNL294C YFL012W YFL012W YEL033W YEL033W YDL127W PCL₂ YHR002W YHR002W YGR023W MTL1 YKL205W LOS1 YDR442W YDR442W YDR515W SLF1 YIL174W YIL174W YFL013C YFL013C YDR159W SAC3 YLR143W YLR143W YDL055C PSA1 YKR091W SRL3 YHR003C YHR003C YKL060C FBA1 YKL133C YKL133C YJL081C ARP4

YGR024C YGR024C YKL206C YKL206C YDR370C YDR370C VPS35 YJL154C YDR443C SRB9 YDR516C YDR516C YER139C YER139C YDR087C RRP1 YPL253C VIK1 YLR071C RGR1 YOR378W YOR378W YLR144C ACF2 YKR092C SRP40 YEL034W HYP2 VCX1 YDL128W YCL076W YCL076W YBL097W BRN1 YOR379C YOR379C YFR045W YFR045W YER066W YER066W YPL180W YPL180W YEL035C UTR5 YMR123W PKR1 YLL040C VPS13 YLR217W YLR217W YNL295W YNL295W YHR004C NEM1 YKL134C 1-Oct FBP26 YJL155C YFR046C YFR046C YIL176C YIL176C YDR088C SLU7 YLR218C YLR218C HSP12 YFL014W YDL056W MBP1 YDL129W YDL129W YKL061W YKL061W YBL098W YBL098W YKL207W YKL207W YJL082W YJL082W YGR025W YGR025W YDR371W YDR371W YDR444W YDR444W YNR030W ECM39 YDR517W YDR517W YER067W YER067W YFL015C YFL015C YPL181W YPL181W

YEL036C

ANP1

YMR124W YMR124W YPL254W HFI1 YLR072W YLR072W YLR145W YLR145W YKR093W PTR2 YLL041C SDH2 YHR005C GPA1 YNL296W YNL296W YKL135C APL2 YJL156C SSY5 YOR010C TIR2 YDR372C YDR372C YDR445C YDR445C YFR047C YFR047C YNR031C SSK2 YPL182C YPL182C YLR073C YLR073C YLR146C SPE4 YKR094C RPL40B YNL297C YNL297C YML020W YML020W YDL057W YDL057W YKL062W MSN4 YBL099W ATP1 YJL083W YJL083W YGR026W YGR026W YKL208W CBT1 YDR518W EUG1 YFL016C MDJ1 YER068W SIG1 YMR052W FAR3 YEL037C RAD23 **YMR125W** STO1 YDR089W YDR089W YPL255W BBP1 YML021C UNG1 YLR219W YLR219W YLL042C YLL042C YKL063C YKL063C YJL084C YJL084C YKL209C STE6 YGR027C RPS25A YJL157C FAR1 YMR053C STB2 YPL183C YPL183C YMR126C YMR126C YLR074C YLR074C YPL256C CLN2 YLR147C SMD3

YDL058W **US01** YHR006W STP2 YOR011W YOR011W YDR373W FRQ1 YFR048W YFR048W YDR446W ECM11 YLR430W SEN1 YNR032W PPG1 YDR519W FKB2 YFL017C GNA1 YER069W ARG5,6 YDL059C RAD59 YKR095W MLP1 YNL298W CLA4 YHR007C ERG11 YDR374C YDR374C YJL158C CIS3 YDR447C RPS17B YLR431C YLR431C YMR127C SAS2 YPL184C YPL184C YNL001W DOM34 YEL038W UTR4 YML022W APT1 YLL043W FPS1 YKL064W MNR2 YKL137W YKL137W YJL085W EXO70 YGR028W MSP1 YOR012W YOR012W YFR049W YMR31 YNR033W ABZ1 YFL018C LPD1 RLP7 YNL002C YMR054W STV1 YEL039C CYC7 YPL257W YPL257W YLR075W RPL10 YML023C YML023C YLR148W PEP3 YKR096W YKR096W YNL299W TRF5 YHR008C SOD2 YKL065C YET1 MRPL31 YKL138C YJL086C YJL086C YDR375C BCS1 YMR055C BUB2 YPL258C THI21

YLR076C YLR076C YLR149C YLR149C YLL044W YLL044W YBR120C CBP6 YGR029W ERV1 YJL159W HSP150 YOR013W YOR013W YDR448W ADA2 YNR034W SOL1 YLR432W YLR432W YNL003C PET8 **YMR128W** ECM16 YPL185W YPL185W YGR240C PFK1 YKR097W PCK1 YLL045C RPL8B YHR009C YHR009C YJL087C TRL1 YDR449C YDR449C YNR035C ARC35 YLR433C CNA1 YMR056C AAC1 YPL186C YPL186C YPL259C APM1 YKR098C UBP11 YML024W RPS17A YCR100C YCR100C YKL066W YKL066W YKL139W CTK1 YBR121C GRS1 YOR014W RTS1 YDR376W ARH1 YLR360W VPS38 YMR129W POM152 YML025C YML025C YGR241C YAP1802 YLR077W YLR077W YLL046C RNP1 YLR361C YLR361C YNR036C YNR036C YLR434C YLR434C YMR057C YMR057C YLR078C BOS1 YNL004W HRB1 YCR101C YCR101C YKL067W YNK1 YBR122C MRPL36 YAR070C YAR070C YJL088W ARG3

ATP17 YDR377W YOR015W YOR015W YNL005C MRP7 YPL187W MFALPHA1 YML026C RPS18B YKR099W BAS1 YOR016C ERP4 YDR378C LSM6 YGL210W YPT32 YNR037C YNR037C YGR242W YGR242W YLL047W YLL047W YCR102C YCR102C YBR050C REG2 **NUP100** YKL068W YBR123C TFC1 YJL089W SIP4 YLR362W STE11 YLR435W YLR435W YMR058W FET3 YPL188W POS5 YLR079W SIC1 YLL048C YBT1 YLR290C YLR290C YLR363C NMD4 YGL211W YGL211W YLR436C ECM30 YAR071W PHO11 YAL040C CLN3 YNL006W LST8 YGR170W PSD2 YGR243W YGR243W YML027W YOX1 YCR030C YCR030C YOR300W YOR300W YCR103C YCR103C YKL069W YKL069W YOR017W PET127 YDR379W RGA2 DBP6 YNR038W YNL007C SIS1 YMR059W SEN15 YPL189W YPL189W YGR171C MSM1 YGR244C LSC2 YMR270C RRN9 YLR291C GCD7 YLR437C YLR437C YNR039C YNR039C

YGL212W VAM7 YBR051W YBR051W YBR124W YBR124W YHR150W YHR150W YDR010C YDR010C YML028W TSA1 YGL140C YGL140C YOR301W RAX1 YGL213C SKI8 YLL049W YLL049W YCR031C RPS14A YBR052C YBR052C YBR125C PTC4 YOR018W ROD1 YLR364W YLR364W YHR151C YHR151C YNL008C YNL008C YGR172C YIP1 YGR245C YGR245C YBL020W RFT1 YAL041W CDC24 YMR271C URA10 SEC72 YLR292C YCR104W PAU3 YBL021C HAP3 YAR073W YAR073W YML029W YML029W YBR053C YBR053C YBR126C TPS1 YOR019W YOR019W YLR365W YLR365W YLR438W CAR2 YGR246C BRF1 YAL042W YAL042W YMR272C SCS7 YDR011W SNQ2 YLR293C GSP1 BPH1 YCR032W YGL214W YGL214W YCR105W YCR105W YBL022C PIM1 YJR110W YJR110W YAL043C PTA1 YHR214W-A YHR214W-A YHR152W SPO12 IDP3 YNL009W YGR173W YGR173W YOR230W WTM1

YGL142C

GPI10

YOR303W CPA1 YBR127C VMA2 YJR111C YJR111C YLR366W YLR366W YLR439W MRPL4 YHR080C YHR080C YHR153C **SPO16** YGR174C CBP4 YIL100W YIL100W YMR273C ZDS1 YLR294C YLR294C YDR012W RPL4B YCR033W YCR033W YGL215W CLG1 YCR106W YCR106W YBR054W YRO2 YCL002C YCL002C YNL220W ADE12 YAR075W YAR075W YBL023C MCM2 YAL044C GCV3 YIL101C XBP1 YGR247W YGR247W YGL070C RPB9 YGL143C MRF1 YOR231W MKK1 YOR304W ISW2 PRP6 YBR055C YBR128C APG14 YNL221C POP1 YLR367W RPS22B YGR175C ERG1 YMR274C RCE1 YLR295C ATP14 YDR013W YDR013W YGL216W KIP3 YCR034W FEN1 YCR107W AAD3 YJR112W NNF1 YAL045C YAL045C YHR081W YHR081W YHR154W ESC4 YIL102C YIL102C YHL050C YHL050C YGR248W SOL4 YOR232W MGE1 YGL144C YGL144C YCR035C RRP43

YOR305W

YOR305W

YGL217C YGL217C YBR129C OPY1 YJR113C YJR113C YLR368W YLR368W YHR082C KSP1 YBL024W NCL1 YOR306C YOR306C YMR275C BUL1 YGL071W RCS1 YDR014W YDR014W YBR056W YBR056W YJR040W GEF1 YNL222W SSU72 YAL046C YAL046C YIL030C SSM4 YHR155W YHR155W YGR176W YGR176W YDR015C YDR015C YOR160W MTR10 YGL072C YGL072C YGR249W MGA1 YOR233W KIN4 YBR057C MUM2 YJR041C YJR041C YLR296W YLR296W YLR369W SSQ1 YHR156C YHR156C PEL1 YCL004W YGR177C ATF2 YBL025W RRN10 YOR161C YOR161C YOR234C RPL33B YOR307C SLY41 YIL103W YIL103W YGL145W TIP20 YGL218W YGL218W YCR036W RBK1 YKR020W YKR020W YNL150W YNL150W YNL223W AUT2 YJR114W YJR114W YJL010C YJL010C YAL047C SPC72 YHR083W YHR083W YIL104C YIL104C YPR140W YPR140W YDR016C YDR016C YGL146C YGL146C YCR037C **PHO87**

YGL219C YGL219C YNL151C RPC31 YBR058C UBP14 YNL224C YNL224C YMR276W DSK2 YLR297W YLR297W YPR141C KAR3 YCL005W YCL005W YGR178C PBP1 YOR162C YRR1 YBL026W LSM2 YOR308C SNU66 SMT4 YIL031W YLR298C YHC1 YGL073W HSF1 YOL130W ALR1 YKR021W YKR021W YCL006C YCL006C YJR115W YJR115W YJL011C YJL011C YDR300C PRO1 YAL048C YAL048C YIL032C YIL032C YHR084W STE12 YIL105C YIL105C YHR157W REC104 YDR017C KCS1 YPL110C YPL110C YGL074C YGL074C YLR001C YLR001C YGL147C RPL9A YCR038C BUD5 YKR022C YKR022C YBR059C YBR059C YNL225C CNM67 YJR043C POL32 YMR277W FCP1 YHR158C KEL1 YPR142C YPR142C YGR179C YGR179C PTC5 YOR090C YBL027W RPL19B YOR309C YOR309C YOL131W YOL131W YNL152W YNL152W YCL007C CWH36 YBL028C YBL028C YJR116W YJR116W YJL012C YJL012C

YAL049C YAL049C YHR085W YHR085W YIL033C SRA1 YBR270C YBR270C YDR018C YDR018C YGL075C MPS2 YOR163W YOR163W YLR002C YLR002C YOR236W DFR1 YCR039C MATALPHA2 YNL080C YNL080C YNL153C GIM3 YJR044C YJR044C YMR278W YMR278W YLR299W ECM38 YOR164C YOR164C YDR301W CFT1 YIL106W MOB1 YMR279C YMR279C YPL111W CAR1 YGL148W ARO2 YOL132W YOL132W YKR023W YKR023W YCL008C STP22 YNL226W YNL226W YJR117W STE24 YJL013C MAD3 YHR086W NAM8 YIL034C CAP2 YPR070W MED1 YIL107C PFK26 YHR159W YHR159W YPR143W YPR143W YOR091W YOR091W YPL112C YPL112C YGL076C RPL7A YDR019C GCV1 YOL060C YOL060C YLR003C YLR003C YOR237W HES1 YKR024C DBP7 YNL081C YNL081C YNL154C YCK2 YNL227C YNL227C YJR045C SSC1 YJR118C YJR118C YPR144C YPR144C YDR302W YDR302W

YBR271W

YBR271W

YGL149W YGL149W YOL133W HRT1 YCL009C ILV6 YDR303C YDR303C YIL035C CKA1 YHR087W YHR087W YPR071W YPR071W YBR272C HSM3 YPL040C ISM1 YOR092W ECM3 YPL113C YPL113C YOR165W YOR165W YGL077C HNM1 YLR004C YLR004C YOR238W YOR238W YOL134C YOL134C YJR119C YJR119C YOR093C YOR093C YOR166C YOR166C YJL014W CCT3 YIL108W YIL108W YOL061W PRS5 YNL082W PMS1 YKR025W RPC37 YNL155W YNL155W YJR046W YJR046W YNL228W YNL228W YDR231C YDR231C YJL015C YJL015C YDR304C CYP5 YHR088W YHR088W YPR072W NOT5 YIL109C SEC24 YBR273C YBR273C YPR145W ASN1 YPL041C YPL041C DBP3 YGL078C YOR239W YOR239W YOL062C APM4 YOL135C MED7 YKR026C GCN3 YNL156C YNL156C YNL229C URE2 YJR047C ANB1 YHR089C GAR1 YPR073C LTP1 YPR146C YPR146C RPS28A YOR167C YDL200C MGT1

YIL036W YIL036W YPL114W YPL114W YLR005W SSL1 YNL083W YNL083W YDR305C HNT2 YIL037C YIL037C YOR094W ARF3 YPL042C SSN3 YPL115C BEM3 YOL063C YOL063C YLR006C SSK1 YOL136C PFK27 YNL084C END3 YPR074C TKL1 YPR147C YPR147C YOR095C RKI1 YDR232W HEM1 YJL016W YJL016W YBR274W CHK1 YGL079W YGL079W YKR027W YKR027W YNL157W YNL157W YJR048W CYC1 YDR233C YDR233C YDR306C YDR306C YIL038C NOT3 YBR275C RIF1 YOR168W GLN4 YOL064C MET22 YDL201W YDL201W YJR049C UTR1 YPR075C OPY2 YPR148C YPR148C YOR169C YOR169C YDR160W SSY1 YJL017W YJL017W NOP4 YPL043W YPL116W HOS3 YLR007W YLR007W YOL137W YOL137W YKR028W **SAP190** YNL085W MKT1 YNL158W YNL158W YBR276C PPS1 YPL044C YPL044C YOR096W RPS7A YPL117C IDI1 YOL065C INP54 YLR008C YLR008C

YOL067C RTG1 YDL131W LYS21 YDL204W YDL204W	YGR100W MDR1	YPR078C YPR078C YDR163W YDR163W	YDL131W YDL204W	LYS21 YDL204W
	YDL131W LYS21	YDL131W LYS21 YDL204W YDL204W YGR100W MDR1 YPR078C YPR078C		
YPR078C YPR078C YDR163W YDR163W YLR220W CCC1 YDL205C HEM3	YLR220W CCC1 YDL205C HEM3	VDD 270VV 5552	YBR278W YDR520C YNL088W	DPB3 YDR520C TOP2
YPR078C YPR078C YDR163W YDR163W YLR220W CCC1 YDL205C HEM3 YBR278W DPB3 YDR520C YDR520C	YLR220W CCC1 YDL205C HEM3 YBR278W DPB3 YDR520C YDR520C	YDR520C YDR520C	YDR091C	YDR091C

YDR164C SEC1 YOR382W YOR382W YLR221C YLR221C YOR099W KTR1 YAR002W YAR002W YOL068C HST1 YDL132W CDC53 YNL089C YNL089C YKL210W UBA1 YOR383C YOR383C YGR101W YGR101W YER070W RNR1 YER143W DDI1 YDR237W MRPL7 YBR279W PAF1 YKL211C TRP3 YGR102C YGR102C YFR050C PRE4 YER071C YER071C YER144C UBP5 YMR201C RAD14 YDR238C SEC26 YLR222C YLR222C YPR079W YPR079W YDL060W YDL060W YAR003W YAR003W YDL133W YDL133W YDL206W YDL206W YDR521W YDR521W YDR092W UBC13 YDR165W YDR165W YDL061C RPS29B YDL134C PPH21 YGR030C POP6 YPL048W CAM1 YJL160C YJL160C NUF2 YOL069W YFR051C RET2 YDR522C SPS2 YER145C FTR1 YDR166C SEC5 YOR384W FRE5 YDR239C YDR239C YLR223C IFH1 YPL049C DIG1 YEL040W UTR2 YDL207W GLE1 YKL212W SAC1 YGR103W YGR103W YER072W NRF1 YFL020C PAU5 YDR093W YDR093W YMR202W ERG2 YLR150W STM1 YDL135C RDI1 YKL213C DOA1 YGR104C SRB5 YDR523C SPS1 YLR151C YLR151C YOR385W YOR385W YEL041W YFL041W YDL062W YDL062W YDL208W NHP2 YHR010W RPL27A YKL140W TGL1 YGR031W YGR031W YJL161W YJL161W YFR052W RPN12 YDR450W RPS18A YER073W ALD5 YER146W LSM5 **YMR130W** YMR130W YDR167W TAF25 YPL260W YPL260W YMR203W **TOM40** YDL063C YDL063C YLR224W YLR224W YDL209C YDL209C YKL214C YKL214C YJL162C YJL162C YDR451C YDR451C YFR053C HXK1 YDR524C YDR524C YER147C YER147C YMR131C YMR131C YDR095C YDR095C YPL261C YPL261C YMR204C YMR204C YLR152C YLR152C YOR386W PHR1 YLR225C YLR225C YFL021W GAT1 YEL042W GDA1 YDL136W RPL35B YHR011W YHR011W YKL141W SDH3 YGR032W GSC2 YOR387C YOR387C

YGR105W VMA21 YGL001C YGL001C YER074W RPS24A YFL022C FRS2 YDR168W CDC37 YAR007C RFA1 YGR033C YGR033C YJL090C DPB11 YKL215C YKL215C YGR106C YGR106C YJL163C YJL163C YFR054C YFR054C YER075C PTP3 YDR169C STB3 YMR205C PFK2 YLR153C ACS2 YEL043W YEL043W YDL064W UBC9 YML100W TSL1 YDL137W ARF2 YHR012W VPS29 YKL142W MRP8 YOR388C FDH1 YDR452W YDR452W YDR525W YDR525W SPT15 YER148W YDR096W GIS1 YPL262W FUM1 YLR080W YLR080W YDL065C PEX19 YML101C YML101C YLR226W BUR2 YHR013C ARD1 YJL091C YJL091C YJL164C TPK1 YDR453C YDR453C YDR526C YDR526C YER076C YER076C **TOM37** YMR060C YER149C PEA2 YDR097C MSH6 YPL190C NAB3 YPL263C KEL3 YLR154C YLR154C YLR227C YLR227C ERP6 YGL002W YFL023W YFL023W YEL044W YEL044W YAR008W SEN34

RGT2 YDL138W YKL070W YKL070W YKL143W LTV1 URA1 YKL216W YGR034W RPL26B YDR380W YDR380W YGR107W YGR107W YGL003C CDH1 YFR055W YFR055W YFL024C EPL1 YEL045C YEL045C REC114 YMR133W YMR206W YMR206W YLR081W GAL₂ YAR009C YAR009C YDL139C YDL139C YLL050C COF1 YKL144C RPC25 YGR035C YGR035C YJL165C HAL5 YFR056C YFR056C YDR454C GUK1 YER077C YER077C YDR098C GRX3 YPL191C YPL191C YLR082C SRL2 YPL264C YPL264C YOR389W YOR389W YLR155C ASP3A YLR228C ECM22 YML102W CAC2 YDL066W IDP1 YKL071W YKL071W YHR014W SPO13 YKL217W JEN1 YJL092W HPR5 YRA1 YDR381W YGR108W CLB1 YGL004C YGL004C YDR527W YDR527W YNR040W YNR040W YFL025C BST1 YMR061W RNA14 YMR134W YMR134W YEL046C GLY1 COX9 YDL067C YML103C **NUP188** YLL051C FRE6 YJL093C TOK1

YKL218C YKL218C YGR036C CWH8 YOR020C HSP10 YGR109C CLB6 YDR455C YDR455C YNR041C COQ2 YER078C YER078C YMR062C ARG7 YPL192C YPL192C YMR135C YMR135C YLR083C EMP70 CDC42 YLR229C YML030W YML030W YHR015W MIP6 YKL072W STB6 YKL145W RPT1 YJL166W QCR8 YDR382W RPP2B YFR057W YFR057W YGL005C YGL005C YDR528W YDR528W YDR099W BMH2 YEL047C YEL047C YPL265W DIP5 YMR208W ERG12 YLR156W YLR156W YML104C MDM1 YLL052C AQY2 YHR016C YSC84 YJL094C YJL094C YGR037C ACB1 YDR383C YDR383C YOR021C YOR021C YLR440C YLR440C YDR529C QCR7 YBR200W BEM1 YMR209C YMR209C YLR084C RAX2 YLR157C ASP3B YFL026W STE2 YNL010W YNL010W YML031W NDC1 YDL068W YDL068W YKL073W LHS1 YKL146W YKL146W COS9 YKL219W YJL167W ERG20 YDR456W NHX1 YNR042W YNR042W

YFL027C YFL027C YER079W YER079W YNL011C YNL011C YMR063W RIM9 YPL193W RSA1 YMR136W GAT2 YEL048C YEL048C YML032C RAD52 YPL266W DIM1 YDL069C CBS1 YML105C SEC65 YKL074C MUD2 YKL147C YKL147C YDR384C YDR384C YJL168C SET2 YOR022C YOR022C YLR441C RPS1A YMR137C PSO2 YLR085C ARP6 YBR201W DER1 YLR158C ASP3C YGL006W PMC1 YHR017W YSC83 YPR001W CIT3 YJL095W BCK1 YGR038W ORM1 YDR457W TOM1 YNR043W MVD1 YFL028C CAF16 YMR064W AEP1 YPL194W DDC1 YPL267W YPL267W YLL054C YLL054C YKL075C YKL075C YHR018C ARG4 YKL148C SDH1 YOR023C AHC1 YDR458C YDR458C YLR442C SIR3 YBR202W CDC47 YGL007W YGL007W YNL012W SPO1 YEL049W PAU2 YML106W URA5 YPR002W PDH1 YBR130C SHE3 YJL096W MRPL49 YGR039W YGR039W YDR385W EFT2

YJL169W YJL169W YGL008C PMA1 YNR044W AGA1 YFL029C CAK1 YMR065W KAR5 YNL013C YNL013C **YMR138W** CIN4 YPL195W APL5 YLR086W SMC4 YPL268W PLC1 YGR250C YGR250C YML107C YML107C YLR159W YLR159W YKL076C YKL076C YHR019C DED81 YKL149C DBR1 YPR003C YPR003C YLR370C ARC18 YDR459C YDR459C YLR087C YLR087C YBR203W YBR203W YML034W SRC1 YLL055W YLL055W YBR204C YBR204C YJL097W YJL097W YDR386W MUS81 YOR024W YOR024W YGL009C LEU1 YNR045W PET494 YLR443W ECM7 YMR066W SOV1 YMR139W RIM11 YPL196W YPL196W YML035C AMD1 YPL269W KAR9 YLL056C YLL056C YPR004C YPR004C YDR387C YDR387C YLR444C YLR444C YMR067C YMR067C YBR131W CCZ1 YBL100C YBL100C YNL014W YEF3B YGR251W YGR251W YML108W YML108W YKL077W YKL077W YBR132C AGP2 **SAP185** YJL098W

YOR025W

HST3

YLR371W ROM2 YNR046W YNR046W YLR088W GAA1 YLL057C YLL057C YPR005C HAL1 YGL220W YGL220W YBR205W KTR3 YLR089C YLR089C YBL101C ECM21 YNL015W PBI2 YGR252W GCN5 YML036W YML036W YML109W ZDS2 YGL221C NIF3 JA2 YKL078W YBR060C ORC2 YBR133C HSL7 YJL099W CHS6 YOR026W BUB3 YDR388W **RVS167** YLR372W SUR4 YLR445W YLR445W YNR047W YNR047W YMR068W YMR068W YPL198W RPL7B YGR180C RNR4 YML037C YML037C PUP2 YGR253C YOR310C NOP5 YPR006C ICL2 YLR373C YLR373C YPL199C YPL199C YBR206W YBR206W YNL016W PUB1 YLL058W YLL058W YGL222C YGL222C YKL079W SMY1 YBR061C YBR061C YOR027W STI1 YDR389W SAC7 YNR048W YNR048W YLR446W YLR446W YHR160C PEX18 YNL017C YNL017C YMR069W YMR069W YER119C-A YER119C-A YML038C YMD8 YBL102W SFT2 YOR311C YOR311C

YLL059C YLL059C YMR280C CAT8 YPR007C SP069 YOR028C CIN5 YLR374C YLR374C YLR447C VMA6

YCR040W MATALPHA1

YNR049C MSO1 YBR134W YBR134W YBL030C PET9 YBR207W FTH1 YNL300W YNL300W RTG3 YBL103C YGR181W TIM13 YGR254W ENO1 YDR020C YDR020C YGL150C **INO80** YGL223C YGL223C YBR062C YBR062C

YNL301C RPL18B YBR208C **DUR1,2** YHR161C YAP1801 YNL018C YNL018C YGR182C YGR182C YGR255C COQ6 YOR312C RPL20B YAL051W YAF1

YCR041W YCR041W YCL010C YCL010C **YBR135W** CKS1 YBL104C YBL104C YGL224C YGL224C

YCR042C TSM1 YBR063C YBR063C YPR008W YPR008W YMR281W GPI12 YOR029W YOR029W YLR375W STP3

YLR448W RPL6B YNL019C YNL019C YGR183C QCR9 YBL031W SHE1 YOR313C SPS4 YMR282C AEP2 YDR021W FAL1 YLR376C YLR376C YGL151W NUT1

GBP2 YCL011C YBR136W ESR1 YBR209W YBR209W YJR120W YJR120W YBL105C PKC1 YHR162W YHR162W YGR256W GND2 YDR022C CIS1 YOR240W YOR240W YGL152C YGL152C YCR043C YCR043C YKR100C YKR100C YPR009W YPR009W YNL230C ELA1 YHR090C NBN1 YLR449W FPR4 YGR184C UBR1 YGR257C YGR257C YBL032W YBL032W YAL053W YAL053W YIL110W YIL110W YMR283C RIT1 YER001W MNN1 YLR377C FBP1 YGL225W GOG5 YBR064W YBR064W YBR137W **YBR137W** YBL033C RIB1 YNL303W YNL303W YJR121W ATP2 YBL106C **SRO77** YAL054C ACS1 YHR163W SOL3 YOR241W YOR241W YCR044C YCR044C YOR314W YOR314W YBR065C ECM2 YBR138C HDR1 YNL231C PDR16 YHR091C MSR1 YHR164C DNA2 YCL012W YCL012W YGR185C TYS1 YGR258C RAD2 YOR242C SSP2 YIL111W COX5B YER002W YER002W YGL080W YGL080W YDR023W SES1 PEX14 YGL153W

YLR378C

SEC61

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YKR103W YKR103W YNL160W YGP1 YNL233W BNI4 YJR051W OSM1 YNL306W YNL306W YBL036C YBL036C YJL020C YJL020C YHR093W AHT1 YIL114C POR₂ YPR150W YPR150W YDR026C YDR026C YOR244W ESA1 YLR010C YLR010C YCR047C YCR047C YGL229C SAP4 YOR317W FAA1 YKR031C SPO14 YBR068C BAP2 YMR286W MRPL33 YJR125C ENT3 YNL307C MCK1 YHR094C HXT1 YPR151C YPR151C YGR188C BUB1 YOR245C YOR245C YOR318C YOR318C YIL041W YIL041W YMR287C MSU1 YER005W YND1 YGL083W SCY1 YGL156W AMS1 YOL140W ARG8 YKR104W YKR104W YCL016C YCL016C YNL161W CBK1 YNL234W YNL234W YJR052W RAD7 YJL021C YJL021C YDR310C SUM1 YIL042C YIL042C YIL115C **NUP159** YHR167W YHR167W YOR172W YOR172W YGL084C YGL084C YDR027C LUV1 YBR069C VAP1 YKR105C YKR105C YNL235C YNL235C YNL308C YNL308C

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YOR391C YOR391C YDR172W SUP35 YDR245W MNN10 YDR318W MCM21 YDL214C YDL214C YBR287W YBR287W YLR019W YLR019W YOL076W 1-Dec YOL149W DCP1 YER152C YER152C YDR173C ARGR3 YDR319C YDR319C YPR087W YPR087W YBR288C APM3 YPL056C YPL056C YOL077C YOL077C YDL141W BPL1 YNL098C RAS2 YGR110W YGR110W YPR088C SRP54 YKL009W MRT4 YDR246W TRS23 YDL142C CRD1 YDL215C GDH2 YLR303W MET17 YKL220C FRE2 YPL129W ANC1 YDR530C APA2 YER153C **PET122** YOR392W YOR392W YLR231C YLR231C YLR304C ACO1 YPL057C SUR1 YNL099C YNL099C YGR111W YGR111W YER080W YER080W YDR174W HMO1 YMR210W YMR210W YDR247W YDR247W YDL216C YDL216C YBR289W SNF5 YOL078W YOL078W YDR175C YDR175C YDR248C YDR248C YOR393W ERR1 YLR305C STT4 YPR089W YPR089W PDR12 YPL058C YDL070W BDF2

YDL143W CCT4 YKL221W YKL221W YGR112W SHY1 YDR531W YDR531W YER081W SER3 YER154W OXA1 YEL050C RML2 YMR211W YMR211W YDL071C YDL071C YAR014C YAR014C YDL144C YDL144C YLR232W YLR232W YDL217C TIM22 YKL222C YKL222C YJL170C ASG7 YOL079W YOL079W YDR532C YDR532C YER082C YER082C YER155C BEM2 YMR212C YMR212C YDR249C YDR249C YOR394W YOR394W YLR160C ASP3D YLR233C EST1 YGR040W KSS1 YGR113W DAM1 YDR176W NGG1 YDL072C YDL072C YDL145C COP1 YLR306W UBC12 YPL059W GRX5 YGR114C YGR114C YJL171C YJL171C YDR533C YDR533C YER083C YER083C YER156C YER156C YFL030W YFL030W YEL051W 8AMV YAR015W ADE1 YDL218W YDL218W YHR020W YHR020W YKL150W MCR1 YKL223W YKL223W YGR041W BUD9 YDR460W TFB3 YMR140W YMR140W YMR213W CEF1 YDR177W UBC1 YPL270W MDL2

YLR161W YLR161W YLR234W TOP3 YLR307W CDA1 YHR021C RPS27B YKL151C YKL151C YKL224C YKL224C YGR115C YGR115C YDR534C YDR534C YMR141C YMR141C YGL010W YGL010W YFL031W HAC1 YEL052W AFG1 YDL073W YDL073W YDL146W YDL146W YDL219W YDL219W YGR042W YGR042W YJL172W CPS1 YDR461W MFA1 YGL011C SCL1 YER084W YER084W YER157W GRD20 YEL053C MAK10 YMR214W SCJ1 YPL271W ATP15 **YDR178W** SDH4 YDL074C YDL074C YML110C COQ5 YLR162W YLR162W YIR001C YIR001C YLR308W CDA2 YHR022C YHR022C YKL152C GPM1 YGR043C YGR043C RFA3 YJL173C YOR100C YOR100C YDR535C YDR535C YER085C YER085C YER158C YER158C YMR142C RPL13B YDR179C YDR179C YPL272C YPL272C YLR163C MAS1 YHR049C-A YHR049C-A YLR309C IMH1 YFL032W YFL032W RPN5 YDL147W YKL225W YKL225W YGR116W SPT6 YDR462W MRPL28

YFL033C RIM15 YEL054C RPL12A YLR090W XDJ1 YMR215W YMR215W YAR018C KIN3 YDL148C YDL148C YIR002C YIR002C YGR044C RME1 YDR390C UBA2 YGR117C YGR117C YER159C BUR6 SKY1 YMR216C YGL012W ERG4 YDL075W RPL31A BUL₂ YML111W YHR023W MYO1 YKL080W VMA5 YKL153W YKL153W YJL174W KRE9 YDR463W STP1 YGL013C PDR1 YOR101W RAS1 YDR536W STL1 YER086W ILV1 YMR070W MOT3 YEL055C POL5 YMR143W RPS16A YPL273W YPL273W YLR091W YLR091W YLR164W YLR164W YDL076C YDL076C YAR019C CDC15 YLL060C GTT2 YLR237W THI7 YHR024C MAS₂ YGR045C YGR045C YDR391C YDR391C YNR050C LYS9 YDR537C YDR537C YMR071C YMR071C YLR165C YLR165C YFL034W YFL034W YML112W CTK3 YIR003W YIR003W YDL149W YDL149W YKL081W TEF4 YKL154W SRP102 YJL175W YJL175W YGR118W RPS23A

YDR464W SPP41 YOR102W YOR102W YER087W YER087W YMR144W YMR144W YPL274W SAM3 YLR092W SUL2 YMR217W GUA1 YDL077C VAM6 YLR238W YLR238W YKL082C YKL082C YKL155C YKL155C YJL176C SWI3 YGR119C NUP57 YOR103C OST2 YDR465C RMT2 YNR051C YNR051C YER088C DOT6 YMR145C YMR145C YMR218C YMR218C YLR093C NYV1 YLR166C SEC10 YGL014W YGL014W YLR239C YLR239C YEL056W HAT2 YML113W DAT1 YLL061W MMP1 YIR004W DJP1 YHR025W THR1 YGR046W YGR046W YDR392W SPT3 YOR030W DFG16 YGL015C YGL015C YDR538W PAD1 YNL020C ARK1 YMR072W ABF2 YEL057C YEL057C YPL275W YPL275W YML041C YML041C YML114C YML114C YDL078C MDH3 YLL062C YLL062C YPR010C RPA135 YGR047C TFC4 YNR052C POP2 YER089C PTC2 YMR073C YMR073C YMR146C TIF34 YBR210W YBR210W YLR094C GIS3

YFL036W RPO41 YIR005W YIR005W YHR026W PPA1 RPS27A YKL156W YBR211C AME1 YOR031W CRS5 YJL177W RPL17B YDR466W YDR466W YOR104W YOR104W YLR450W HMG2 YDR539W YDR539W YPL276W YPL276W YDL079C MRK1 YLR167W RPS31 YML115C VAN1 YIR006C PAN1 YLL063C AYT1 YHR027C RPN1 YPR011C YPR011C YOR032C HMS1 YJL178C YJL178C YDR467C YDR467C YNR053C YNR053C YMR074C YMR074C YPL277C YPL277C YLR095C YLR095C YLR168C YLR168C KAP122 YGL016W YFL037W TUB2 YNL021W HDA1 YEL058W PCM1 YML042W CAT2 YKL084W YKL084W YKL157W APE2 YGR048W UFD1 YDR394W RPT3 YOR105W YOR105W YLR451W LEU3 YFL038C YPT1 YNL022C YNL022C YMR147W YMR147W YML043C RRN11 YLL064C YLL064C YHR028C DAP2 YOR033C DHS1 YDR468C TLG1 YNR054C YNR054C YLR452C SST2 YBR212W NGR1

YPL278C YPL278C YGL017W ATE1 YOL001W **PHO80** YEL059W YEL059W YML116W ATR1 YIR007W YIR007W YKL085W MDH1 YKL158W YKL158W YBR140C IRA1 YGR049W SCM4 YJL179W PFD1 YDR395W SXM1 VAM3 YOR106W YGL018C JAC1 YOL002C YOL002C YFL039C ACT1 YNL023C FAP1 YMR075W YMR075W YMR148W YMR148W YLR096W KIN2 YLR169W YLR169W YIR008C PRI1 YHR029C YHR029C YKL159C RCN1 YPR013C YPR013C YOR034C AKR2 YNR055C HOL1 YLR453C RIF2 YBR213W MET8 YPL279C YPL279C YLR097C YLR097C YGR260W YGR260W YML117W YML117W YLL065W GIN11 YBR141C YBR141C YDR396W YDR396W YDR469W YDR469W YLR380W CSR1 YOR107W YOR107W YOL003C YOL003C YNL024C YNL024C YMR149W SWP1 YGR261C APL6 YKL087C CYT2 YPR014C YPR014C YDR397C NCB2 YOR035C SHE4 YNR056C BIO5

YMR077C

YMR077C

SDS24 YBR214W YLR098C CHA4 YGL019W CKB1 YML118W YML118W YIR009W MSL1 YGL230C YGL230C YLR381W YLR381W YOR108W YOR108W YLR454W YLR454W YNL025C SSN8 YGR262C YGR262C YPR015C YPR015C YLR382C NAM2 YDR100W YDR100W YNR057C BIO4 YMR078C CTF18 YBR142W MAK5 YBR215W HPC2 YLR099C YLR099C YOL004W SIN3 YML046W PRP39 YML119W YML119W YDR101C YDR101C YGL231C YGL231C YKL088W YKL088W YBR070C SAT2 YBR143C SUP45 YBR216C YBR216C YDR398W YDR398W YOR036W PEP12 YOR109W INP53 YLR455W YLR455W YOL005C RPB11 YGR190C YGR190C YGR263C YGR263C YML047C YML047C YOR320C YOR320C YPR016C CDC95 YNL026W YNL026W YDR102C YDR102C YCR050C YCR050C YKL089W MIF2 YBR144C YBR144C YNL310C YNL310C CYC2 YOR037W YDR399W HPT1 YLR383W RHC18 YOL006C TOP1 YLR456W YLR456W

BIO3 YNR058W YMR079W SEC14 YGR264C MES1 YAL060W YAL060W YMR290C HAS1 YPR017C DSS4 YOR038C HIR2 YLR384C IKI3 YGL232W YGL232W YLR457C NBP1 YBR071W YBR071W YBR217W APG12 YBL040C ERD2 YHR170W NMD3 YNL027W CRZ1 YGR191W HIP1 YDR030C RAD28 YML048W GSF2 YOR321W PMT3 YNL311C YNL311C YBR218C PYC2 YNR059W YNR059W YOL007C CSI2 YGR192C TDH3 YML049C RSE1 YOR322C YOR322C YAL061W YAL061W YLR385C YLR385C YGL160W YGL160W YDR103W STE5 YCR051W YCR051W YGL233W SEC15 YBR072W HSP26 **YBR145W** ADH5 YHR171W APG7 YNL028W YNL028W YER010C YER010C YGR265W YGR265W YDR104C YDR104C YGL161C YGL161C YPR018W RLF2 YMR291W YMR291W YJR130C YJR130C YOR039W CKB2 YNL029C KTR5 PDX1 YGR193C YBL041W PRE7 YOR250C CLP1

YAL062W

GDH3

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YGL090W LIF1 YDR106W ARP10 YDL002C NHP10 YBR075W YBR075W YCL023C YCL023C YBR148W YSW1 YJR132W NMD5 YNL314W DAL82 YJL101C GSH1 YHR174W ENO₂ YGR195W SKI6 YGL091C NBP35 YDR034C LYS14 YGL164C YGL164C YOR252W YOR252W YDR107C YDR107C YGL237C HAP2 YOR325W YOR325W YMR294W JNM1 YNL315C ATP11 YLR388W RPS29A YGR196C YGR196C YOR180C DCI1 YBL044W YBL044W YIL122W YIL122W YER013W PRP22 YMR295C YMR295C YPL200W YPL200W YLR389C STE23 YBR076W ECM8 YJR060W CBF1 YBR149W ARA1 YNL242W YNL242W YBL045C COR1 YJR133W XPT1 YHR175W CTR2 YGR269W YGR269W YPL201C YPL201C YOR253W YOR253W YGL165C YGL165C YOR326W MYO2 YKR040C YKR040C YBR077C YBR077C YJR134C YJR134C YNL316C PHA2 MCD1 YDL003W YCL024W YCL024W YGR197C SNG1 YOR254C SEC63

YAL066W YAL066W YOR327C SNC2 YJL102W MEF2 YIL050W PCL7 YIL123W SIM1 YMR296C LCB1 YER014W HEM14 YGL092W **NUP145** YDR035W ARO3 YDR108W GSG1 YGL238W CSE1 AGP1 YCL025C YNL170W YNL170W YJR061W YJR061W YNL243W SLA2 YJL103C YJL103C YAL067C SEO1 YIL051C MMD1 YCR024C-A PMP1 YHR176W YHR176W YPR160W GPH1 YDR036C YDR036C YOR181W LAS17 YPL202C YPL202C YLR020C YLR020C YDR109C YDR109C YCR057C PWP2 YOL150C YOL150C YGL239C YGL239C YNL171C YNL171C YNL244C SUI1 YJR062C NTA1 YJR135C MCM22 YDL004W ATP16 YPR161C SGV1 YBL046W YBL046W YOR182C RPS30B YJL030W MAD2 YIL124W YIL124W YER015W FAA2 YGL093W SPC105 YGL166W CUP2 YDL005C MED2 YKR041W YKR041W YBR078W ECM33 YKL010C UFD4 YNL317W PFS2 YBL047C YBL047C YJL031C BET4

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YAL069W YAL069W YIL053W RHR2 YIL126W STH1 YBR290W BSD2 YPL131W RPL5 YPL204W HRR25 YGL168W YGL168W YOL152W FRE7 YJR064W CCT5 YNL246W YNL246W YNL319W YNL319W YHR179W OYE2 YIL127C YIL127C YPR090W YPR090W YBR291C CTP1 YER018C SPC25 YDR039C ENA2 YOR184W SER1 YLR023C YLR023C YOR257W CDC31 YOL080C YOL080C YPL205C YPL205C ARP3 YJR065C YDL007W RPT2 YPR091C YPR091C YCL028W YCL028W YKL012W PRP40 YBL049W YBL049W YOR185C GSP2 YJL033W HCA4 YDR322W MRPL35 YJL106W IME2 YIL054W YIL054W YMR002W YMR002W YGL096W YGL096W YPL132W COX11 YGL169W SUA5 YKR044W YKR044W YNL174W YNL174W YCL029C BIK1 YKL013C ARC19 YNL247W YNL247W YJR138W YJR138W YDR250C YDR250C PEP7 YDR323C YJL107C YJL107C YIL055C YIL055C YBR292C YBR292C YPR164W KIM3

YPL133C YPL133C YLR024C YLR024C YPL206C YPL206C YOR258W YOR258W YKR045C YKR045C YNL175C YNL175C YNL248C RPA49 YJR139C HOM6 YDL008W APC11 YOR259C RPT4 YJL034W KAR2 YIL128W MET18 YER019W YER019W YMR003W YMR003W YPL060W YPL060W YGL097W SRM1 YOL081W IRA2 YDL009C YDL009C YOL154W YOL154W YJR066W TOR1 YKL014C YKL014C YJL035C YJL035C YDR324C YDR324C YJL108C YJL108C YPR092W YPR092W YPR165W RHO1 YPL134C YPL134C YOR186W YOR186W YOL155C YOL155C YKR046C YKR046C YNL176C YNL176C YJR067C YAE1 YNL249C MPA43 YPR093C YPR093C YPR166C MRP2 YDR251W PAM1 YIL056W YIL056W YDL220C CDC13 YBR293W YBR293W YPL061W ALD6 YMR004W MVP1 YGL098W YGL098W YLR025W SNF7 YPL207W YPL207W YOL082W YOL082W YIL057C YIL057C YOR187W TUF1 YLR026C SED5 YNL177C YNL177C

YPR167C MET16 YKL015W PUT3 YDR252W BTT1 YJL036W SNX4 YDR325W YDR325W YBR294W SUL1 YMR005W MPT1 YPL062W YPL062W YPL135W ISU1 YGL099W YGL099W YOL083W YOL083W YPL208W YPL208W YOL156W HXT11 YKR047W YKR047W YKL016C ATP7 YJR068W RFC2 YDR253C MET32 YDR326C YDR326C YLR310C CDC25 YPR094W YPR094W YMR006C PLB2 **YOR188W** MSB1 YPL209C IPL1 YLR027C AAT2 YOL157C YOL157C YDL221W YDL221W YKR048C NAP1 YJR069C HAM1 YPR095C SYT1 **YDR180W** SCC2 YJL037W YJL037W YDL222C YDL222C YIL058W YIL058W YBR295W PCA1 YPL063W YPL063W YPL136W YPL136W YOL084W YOL084W YNL178W RPS3 YKL017C HCS1 YDR181C SAS4 YJL038C YJL038C YIL059C YIL059C YLR311C YLR311C YBR296C PH089 YPR168W NUT2 YPL064C YPL064C YPL137C YPL137C YOR189W YOR189W

YLR028C

ADE16

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YDR257C RMS1 YLR314C CDC3 YPL067C YPL067C YOL088C MPD2 YDL152W YDL152W YDL225W YDL225W YPR099C YPR099C YER090W TRP2 YBR002C RER2 YMR220W ERG8 YDL080C THI3 YAR023C YAR023C SAS10 YDL153C YLR241W YLR241W YDL226C GCS1 YBR299W MAL32 YHR101C BIG1 YDR541C YDR541C YER091C MET6 YDR185C YDR185C YMR221C YMR221C YDR258C HSP78 YLR242C ARV1 YPL068C YPL068C YOL089C HAL9 YGR122W YGR122W YER164W CHD1 YEL060C PRB1 YDL081C RPP1A YDL227C HO YLR315W YLR315W YGR050C YGR050C YGR123C PPT1 YJL180C ATP12 YMR222C YMR222C YDR186C YDR186C YLR170C APS1 YDR259C YAP6 YLR316C YLR316C YAL034W-A MTW1 YBR003W COQ1 YPL069C BTS1 YDL154W MSH5 YHR102W NRK1 YER092W YER092W YER165W PAB1 YEL061C CIN8 YBR004C YBR004C YLR243W YLR243W

YHR030C SLT2 YGR051C YGR051C YDR470C YDR470C YDR543C YDR543C YER093C TSC11 YMR150C IMP1 YLR244C MAP1 YFL040W YFL040W YDL082W RPL13A YDL155W CLB3 YKL160W YKL160W YHR103W SBE22 YGR124W ASN2 YJL181W YJL181W YGL020C YGL020C YER166W YER166W YPL280W YPL280W YMR223W UBP8 YLR171W YLR171W YDL083C RPS16B YLR317W YLR317W YHR031C RTT104 YKL161C YKL161C YJL182C YJL182C YDR544C YDR544C YOL052C-A DDR2 YER094C PUP3 YPL281C ERR2 YMR224C MRE11 YLR172C DPH5 YLR245C CDD1 YFL041W FET5 YBR005W YBR005W YEL062W NPR2 YDL156W YDL156W YIR010W YIR010W GRE3 YHR104W YGR052W YGR052W YGR125W YGR125W YDR471W RPL27B YFL042C YFL042C YER167W BCK2 **YMR151W** YIM2 YEL063C CAN1 **YDR188W** CCT6 YML120C NDI1 YIR011C STS1 YDL157C YDL157C YKL006C-A SFT1

YKL162C YKL162C YGR053C YGR053C YER168C CCA1 YPL282C YPL282C YMR225C MRPL44 YGL021W ALK1 YLR319C BUD6 YBR006W YBR006W YAR027W YAR027W YDL084W SUB2 YHR032W YHR032W YHR105W YHR105W YGR126W YGR126W YJL183W MNN11 YDR472W TRS31 YOR110W TFC7 YER095W RAD51 YBR007C YBR007C **YMR152W** YIM1 YEL064C YEL064C YDR189W SLY1 YLR173W YLR173W YLR246W ERF2 YDL158C YDL158C YDR473C PRP3 YMR080C NAM7 YHL001W RPL14B YMR226C YMR226C YPL283C YRF1-7 YLR247C YLR247C YGL022W STT3 YNL100W YNL100W YDL085W YDL085W YAR028W YAR028W YML121W GTR1 YIR012W SQT1 YHR033W YHR033W YKL090W YKL090W YKL163W PIR3 YHR106W TRR2 YGR054W YGR054W YGR127W YGR127W YJL184W YJL184W YGL023C MTO1 YOR111W YOR111W YER096W SHC1 YFL044C YFL044C YER169W RPH1 YMR153W NUP53

YBR008C FLR1 YLR174W IDP2 YML122C YML122C YIR013C GAT4 YKL091C YKL091C YHR034C YHR034C YHR107C CDC12 YKL164C PIR1 YJL185C YJL185C YGR128C YGR128C YDR474C YDR474C YMR081C ISF1 YMR154C RIM13 YMR227C TAF67 YHL002W YHL002W YEL065W SIT1 YNL101W YNL101W YAR029W YAR029W YDL086W YDL086W YDL159W STE7 YGR055W MUP1 YHL003C LAG1 YOR112W YOR112W YNR060W FRE4 YFL045C SEC53 YER097W YER097W YBR009C HHF1 YML123C **PHO84** YLR175W CBF5 YDL087C LUC7 YLR248W RCK2 YKL092C BUD2 YER019C-A SBH2 YKL165C MCD4 YNR061C YNR061C YMR082C YMR082C YLR176C RFX1 YGL024W YGL024W YEL066W HPA3 YNL102W POL1 YML050W YML050W YIR014W YIR014W YHR035W YHR035W YHR108W YHR108W YGR056W RSC1 YBR220C YBR220C YOR040W GLO4 YJL186W MNN5 YGR129W SYF2

YOR113W AZF1 YGL025C PGD1 YER098W UBP9 YEL067C YEL067C **YMR155W** YMR155W YMR228W MTF1 YML124C TUB3 YDL088C ASM4 YLR249W YEF3 YKL166C TPK3 YGR057C LST7 YOR041C YOR041C YJL187C SWE1 YDR476C YDR476C YNR062C YNR062C YLR460C YLR460C YER099C PRS2 YMR156C YMR156C YMR229C RRP5 YHL004W MRP4 YFL046W YFL046W YNL030W HHF2 MET4 YNL103W YML051W GAL80 YIR015W RPR2 YHR036W YHR036W YKL093W MBR1 ATP20 YPR020W YHR109W YHR109W YBR221C PDB1 YHL005C YHL005C YGL026C TRP5 YOR114W YOR114W YNL031C HHT2 YMR083W ADH3 YNL104C LEU4 YEL068C YEL068C YLR177W YLR177W YML125C YML125C YPR021C YPR021C YKL167C MRP49 YJL188C YJL188C YOR115C TRS33 YMR157C YMR157C YLR178C TFS1 YOL010W YOL010W YFL047W YFL047W YML052W SUR7 YDL089W YDL089W

YIR016W YIR016W YHR037W PUT2 YKL094W YJU3 YHL006C YHL006C YBR222C FAT2 YGR058W YGR058W YOR042W YOR042W YGL027C CWH41 YDR477W SNF1 YNR063W YNR063W YLR461W PAU4 YFL048C EMP47 YMR084W YMR084W YEL069C HXT13 YML053C YML053C YML126C **HMGS** YIR017C MET28 YKL168C KKQ8 YPR022C YPR022C YOR116C RPO31 YNR064C YNR064C YLR179C YLR179C YOL011W PLB3 YNL032W SIW14 YNL105W YNL105W YHR038W FIL1 YKL095W YJU2 YBR150C YBR150C YHL007C STE20 YGR059W SPR3 YBR223C YBR223C YJL189W RPL39 YOR043W WHI2 YGL028C SCW11 YDR478W SNM1 YLR462W YLR462W YOL012C HTA3 YNL106C INP52 YMR158W YMR158W YML054C CYB2 YHR039C YHR039C YPR023C YPR023C YKL169C YKL169C YDR479C YDR479C YHR079C-A SAE3 YNR065C YNR065C YLR463C YLR463C YMR159C APG16 YFL049W YFL049W

YNL033W YNL033W YGR270W YTA7 YML127W YML127W YIR018W YAP5 YKL096W CWP1 YHL008C YHL008C YOR044W YOR044W YLR390W ECM19 YOR117W RPT5 YOL013C HRD1 YMR086W YMR086W YML128C YML128C YKL097C YKL097C YNR066C YNR066C **YBR151W YBR151W** YBR224W YBR224W YGL029W CGR1 YNL034W YNL034W YNL107W YNL107W YML055W SPC2 YGR271W YGR271W YPR024W YME1 YHL009C YAP3 YOR045W TOM6 YOR118W YOR118W YMR087W YMR087W YNL035C YNL035C YNL108C YNL108C YML056C YML056C YGR272C YGR272C YML129C COX14 YPR025C CCL1 YOR046C DBP5 YDR110W FOB1 YLR392C YLR392C YOR119C RIO1 YNR067C YNR067C YLR465C YLR465C YGL240W DOC1 YMR088C YMR088C **YBR152W** SPP381 YBR225W YBR225W YOL014W YOL014W YDR111C YDR111C YBR080C SEC18 YKL098W YKL098W YGR273C YGR273C YOR330C MIP1 YKL099C YKL099C

YOR047C STD1 YGL241W **KAP114** YNR068C YNR068C YMR089C YTA12 **YBR153W** RIB7 YOL015W YOL015W YNL036W NCE103 YNL109W YNL109W YML057W CMP2 YGL242C YGL242C YBR081C SPT7 RPB5 YBR154C YPR026W ATH1 YBR227C MCX1 ATP10 YLR393W YOL016C CMK2 YLR466W YRF1-4 YNL037C IDH1 YGR274C **TAF145** YOR331C YOR331C YPR027C YPR027C YOR048C RAT1 YCR060W YCR060W YNR069C YNR069C YNL320W YNL320W YHR180W YHR180W YDR040C ENA1 YML058W SML1 YDR113C PDS1 YGL170C YGL170C YBR082C UBC4 YLR394W YLR394W YBL050W SEC17 YML059C YML059C YOR049C YOR049C YLR395C COX8 YGL243W TAD1 YCR061W YCR061W YCL030C HIS4 **YBR155W** CNS₁ YBR228W YBR228W YNL321W YNL321W YBL051C YBL051C YOL017W YOL017W YHR181W YHR181W YNL038W YNL038W YGR275W RTT102 YDR114C YDR114C YOR332W VMA4

YBR156C SLI15 YPR028W YIP2 YBR229C ROT2 YNL322C KRE1 YJR140C HIR3 YOL018C TLG2 YGR276C RNH70 YOR333C YOR333C YPR029C APL4 YER020W GPA2 YDR041W YDR041W YGL171W ROK1 YLR396C VPS33 YGL244W RTF1 YCR062W YCR062W YCL031C RRP7 YBR083W TEC1 YBL052C SAS3 YHR182W YHR182W YNL039W TFC5 YDR042C YDR042C YOR260W GCD1 YBR157C YBR157C YDL010W YDL010W YGR277C YGR277C YOR261C RPN8 YIL130W YIL130W RPN3 YER021W NUP49 YGL172W **YDR115W** YDR115W YLR397C AFG2 YDL011C YDL011C YCR063W YCR063W YGL245W YGL245W YBR084W MIS1 YNL250W RAD50 YJR141W YJR141W YNL323W YNL323W YJL110C GZF3 YOL019W YOL019W YHR183W GND1 YIL131C FKH1 YDR043C NRG1 YDR116C YDR116C YGL173C KEM1 YCR064C YCR064C YOR334W MRS2 YGL246C RAI1 YCL032W STE50

YBL053W YBL053W YOR335C ALA1 YFR001W YFR001W YER022W SRB4 YLR398C SKI2 YLR100W YLR100W YDL012C YDL012C YBR085W AAC3 YCL033C YCL033C **YBR158W YBR158W** YNL324W YNL324W YJR142W YJR142W YIL132C YIL132C YHR184W SSP1 YGR278W YGR278W YPL210C SRP72 YDR117C YDR117C YOR262W YOR262W YLR101C YLR101C YBR086C IST2 YJR070C YJR070C YNL252C MRPL17 YNL325C FIG4 YJR143C PMT4 YHR185C ADY1 YBL054W YBL054W YGR279C SCW4 YOR263C YOR263C YJL111W CCT7 YFR002W NIC96 YDR400W YDR400W YER023W PRO3 YDR044W HEM13 YLR399C BDF1 YGL174W YGL174W YGL247W YGL247W YCR065W HCM1 **YBR159W YBR159W** YBL055C YBL055C YFR003C YFR003C YIL133C RPL16A YOR190W SPR1 YDR045C RPC11 YGL175C SAE2 YOR336W KRE5 APC9 YLR102C YNL180C RHO5 YNL326C YNL326C YDL013W HEX3

YHR186C YHR186C YCL034W YCL034W YJL112W YJL112W YDR401W YDR401W YIL060W YIL060W YER024W YER024W **YDR118W** APC4 YPL211W NIP7 YCR066W RAD18 YGL248W PDE1 YKR050W TRK2 RFC5 YBR087W YCL035C GRX1 YJR071W YJR071W YNL253W YNL253W YJR144W MGM101 YIL061C SNP1 YDR402C DIT2 YDR046C BAP3 YOR191W RIS1 YOR264W YOR264W YGL176C YGL176C YPL212C PUS1 YOR337W TEA1 YCR067C SED4 YLR103C CDC45 YBR088C POL30 YJR072C YJR072C YNL254C YNL254C YJR145C RPS4A YDL014W NOP1 YOR192C YOR192C YBL056W PTC3 RPN11 YFR004W YIL134W FLX1 YER025W GCD11 YDR119W YDR119W YLR030W YLR030W YOL160W YOL160W YGL249W ZIP2 YDL015C YDL015C YKR051W YKR051W YNL181W YNL181W YKL020C SPT23 YNL327W EGT2 YBL057C YBL057C YFR005C SAD1 ARC15 YIL062C YHR187W IKI1

YIL135C YIL135C YPR171W YPR171W YER026C CHO1 YPL140C MKK2 YOR265W RBL2 YOR338W YOR338W YOL161C YOL161C YKR052C MRS4 YNL182C YNL182C YNL255C GIS2 YJR073C OPI3 YNL328C MD12 YHR188C YHR188C YCL036W YCL036W YJL041W NSP1 YOR339C UBC11 YDR330W YDR330W YDR403W DIT1 YMR010W YMR010W YDR047W HEM12 YPL213W LEA1 YLR031W YLR031W YDL016C YDL016C YCR068W YCR068W YLR104W YLR104W YCL037C SRO9 YBR089W YBR089W YKL021C MAK11 YJR146W YJR146W YIL063C YRB2 YDR404C RPB7 YPR172W YPR172W YER027C GAL83 YOR193W YOR193W YPL141C YPL141C YOR266W PNT1 YPL214C THI6 YLR105C SEN2 YKR053C YSR3 YNL183C NPR1 YNL329C PEX6 YPR173C VPS4 YOR194C TOA1 YBL058W SHP1 YOR267C YOR267C YJL042W MHP1 YJL115W ASF1 YDR331W GPI8 YFR006W YFR006W

YIL136W **OM45** YMR011W HXT2 YLR032W RAD5 YGL178W MPT5 YCR069W SCC3 YOL162W YOL162W YCL038C YCL038C CDC16 YKL022C YJR074W MOG1 YNL256W YNL256W YJR147W HMS2 YJL116C NCA3 YHR189W YHR189W YIL137C YIL137C YER028C YER028C YPL142C YPL142C YGL179C YGL179C YKR054C DYN1 YNL184C YNL184C YNL257C SIP3 YDL017W CDC7 YLL001W DNM1 YPR174C YPR174C YBL059W YBL059W YOR268C YOR268C YJL043W YJL043W YDR332W YDR332W YDR405W MRP20 YIL064W YIL064W YFR007W YFR007W YMR012W CLU1 YDR049W YDR049W YLR033W YLR033W YOL090W MSH2 YPL215W CBP3 YOL163W YOL163W YDL018C ERP3 YJR075W HOC1 YJR148W BAT2 YDR260C SWM1 YJL044C GYP6 YDR333C YDR333C YIL065C YIL065C YIL138C TPM2 YER029C SMB1 YMR013C SEC59 YOR195W SLK19 YLR034C SMF3 YNL185C MRPL19

YJR076C CDC11 YNL258C YNL258C YLL002W KIM2 YKL023W YKL023W YOR196C LIP5 YJL117W **PHO86** YFR008W YFR008W YDR406W PDR15 YPL070W YPL070W YPL143W RPL33A YOL091W SP021 YPL216W YPL216W YOL164W YOL164W YLR107W YLR107W YDL019C YDL019C YKR055W RHO4 YKL024C URA6 YJR149W YJR149W YDR261C EXG2 YDR407C **TRS120** YIL066C RNR3 YIL139C REV7 YPR175W DPB2 YPL071C YPL071C YOR269W PAC1 YPL217C BMS1 YLR108C YLR108C YOL165C AAD15 YJR077C MIR1 YNL259C ATX1 YLL003W SFI1 YPR176C BET2 YJL045W YJL045W YDR334W SWR1 YJL118W YJL118W YFR009W GCN20 YMR014W YMR014W YOL092W YOL092W YKR056W RNC1 YNL186W UBP10 YKL025C PAN3 YJL119C YJL119C YIL067C YIL067C YDR408C ADE8 YMR015C ERG5 YOR197W YOR197W YPL145C KES1 YLR036C YLR036C YOL166C YOL166C

YDL230W PTP1 YLL004W ORC3 YPR177C YPR177C YOR198C BFR1 YJL046W YJL046W YDR335W MSN5 YDL231C YDL231C YPL072W UBP16 YOL093W YOL093W YGR200C YGR200C YPL218W SAR1 YLR109W AHP1 YLL005C YLL005C YKR057W RPS21A YNL187W YNL187W YJR078W YJR078W YKL026C YKL026C YDR190C TIP49A YDR263C DIN7 YJL047C RTT101 SEC6 YIL068C YPL073C YPL073C YMR016C SOK2 YPL146C YPL146C YLR037C YLR037C YOL094C RFC4 YDR336W YDR336W YLR320W YLR320W YDR409W YDR409W YPL219W PCL8 YKR058W GLG1 YNL188W KAR1 YJR079W YJR079W YMR300C ADE4 YJL048C YJL048C YDR264C AKR1 YLR321C SFH1 YIL069C RPS24B YPR178W PRP4 YOR199W YOR199W YLR038C COX12 YOL095C HMI1 YDL232W OST4 YLL006W MMM1 YPR179C YPR179C YER170W ADK2 YKL027W YKL027W **YDR191W** HST4 YAR030C YAR030C

YDR337W MRPS28 YDL160C DHH1 YPL074W YTA6 YMR017W **SPO20** YPL147W PXA1 YGR202C PCT1 YKR059W TIF1 YLL007C YLL007C YNL189W SRP1 YDR192C NUP42 YMR301C ATM1 YDR338C YDR338C YPL148C PPT2 YLR039C RIC1 YOL096C COQ3 YDL233W YDL233W YER171W RAD3 YKL028W TFA1 YJL049W YJL049W YDR265W PEX10 YLR322W YLR322W YDL234C GYP7 YMR018W YMR018W YPL075W GCR1 YGR130C YGR130C YER172C BRR2 YKL029C MAE1 YMR302C RNA12 YDR266C YDR266C YDR339C YDR339C YLR323C YLR323C YBR010W HHT1 YAR031W YAR031W YOL097C WRS1 YDL161W ENT1 YGR203W YGR203W YLL008W DRS1 YBR011C IPP1 YLR250W SSP120 YDL162C YDL162C YDL235C YPD1 YPL076W GPI2 YMR019W STB4 YPL149W APG5 YLL009C COX17 YDR194C MSS116 YMR303C ADH2 YDR267C YDR267C

YPL077C

YPL077C

YOL098C YOL098C YAL001C TFC3 YHR110W ERP5 YGR131W YGR131W YGR204W ADE3 YER173W RAD24 YBR012C YBR012C YMR230W RPS10B YDL090C RAM1 YLR251W YLR251W YLR324W YLR324W YGR132C PHB1 YER174C GRX4 YLR325C RPL38 YGL100W SEH1 YPL078C ATP4 YOL099C YOL099C YAR033W YAR033W YDL163W YDL163W YDL236W **PHO13** YHR111W YHR111W YGR205W YGR205W YBR013C YBR013C YDR195W REF2 YMR231W PEP5 YMR304W UBP15 YDL091C YDL091C YDR268W MSW1 YDL164C CDC9 YLR252W YLR252W YHR112C YHR112C YJL190C RPS22A YAL002W VPS8 YER175C YER175C YDR196C YDR196C YMR305C SCW10 YDR269C YDR269C YGL101W YGL101W YEL070W YEL070W YDL237W YDL237W YGR060W ERG25 YGR133W PEX4 YGR206W YGR206W YGL102C YGL102C YFL050C ALR2 YBR014C YBR014C YMR232W FUS2 YLR180W SAM1 YLR253W YLR253W

YDL238C YDL238C YLR326W YLR326W YPL079W RPL21B YGR061C ADE6 YGR207C **ETF-BETA** YAL003W EFB1 YLR181C YLR181C YLR254C YLR254C YLR327C YLR327C YEL071W YEL071W YAR035W YAT1 YDL092W SRP14 YDL165W CDC36 YHR040W YHR040W YKL170W MRPL38 YHR113W YHR113W YJL191W RPS14B YGR134W YGR134W YDR480W DIG2 YFL051C YFL051C YER176W ECM32 YEL017C-A PMP2 YBR015C MNN2 YMR160W YMR160W YDR197W CBS2 YMR233W YMR233W YMR306W FKS3 YDL166C YDL166C YIR020C YIR020C YDL239C YDL239C YHR041C SRB2 YGR062C COX18 YJL192C YJL192C YDR481C **PHO8** YDR198C YDR198C YGL030W RPL30 YLR255C YLR255C YGL103W RPL28 YEL072W YEL072W YDL093W PMT5 YHR114W YHR114W YKL171W YKL171W YHL010C YHL010C YGR135W PRE9 YGL031C RPL24A SER2 YGR208W YGL104C YGL104C YER177W BMH1 YEL073C YEL073C

HLJ1 YMR161W YMR234W RNH1 YLR182W SWI6 YML130C ERO1 YDL094C YDL094C YDL167C NRP1 YLR328W YLR328W YHR115C YHR115C YGR063C SPT4 YDR482C YDR482C YGR209C TRX2 YMR162C YMR162C YMR235C RNA1 YLR183C YLR183C YMR308C PSE1 YFL052W YFL052W YBR016W YBR016W YIR021W MRS1 YHR042W NCP1 YKL172W EBP2 YHL011C PRS3 YBR300C YBR300C YGR136W YGR136W YJL193W YJL193W YOR120W GCY1 YGL032C AGA2 YER178W PDA1 YNL110C YNL110C YBR017C **KAP104** YLR256W HAP1 YLR329W REC102 YHR043C DOG2 YOR121C YOR121C YMR163C YMR163C YMR309C NIP1 YGL105W ARC1 YFL053W DAK2 YEL074W YEL074W YJR001W YJR001W YML131W YML131W YDL095W PMT1 YDL168W SFA1 YIR022W SEC11 YAL007C ERP2 YKL173W SNU114 YHR116W YHR116W YPR100W YPR100W YGR064W YGR064W YGR137W YGR137W

CDC6 YJL194W YDR483W KRE2 YFL054C YFL054C YMR090W YMR090W YER179W DMC1 YBR018C GAL7 YNL111C CYB5 YEL075C YEL075C YMR236W TAF17 YLR184W YLR184W YDL096C YDL096C YDL169C UGX2 YLR257W YLR257W YHR044C DOG1 YKL174C YKL174C YGR065C VHT1 YGR138C YGR138C YJL195C YJL195C YOR122C PFY1 YMR091C NPL6 YHL012W YHL012W **YBR301W** YBR301W YGL033W HOP2 YGL106W MLC1 YJR002W MPP10 YML132W COS3 YIR023W DAL81 YHR117W **TOM72** YHL013C YHL013C YPR101W SNT309 YDR484W SAC2 YGL034C YGL034C YNR070W YNR070W YGL107C YGL107C YEL076C YEL076C YBR019C GAL10 YJR003C YJR003C YMR237W YMR237W YDL097C RPN6 YLR185W RPL37A YML133C YML133C YIR024C GIF1 YLR258W GSY2 YHR118C ORC6 YGR066C YGR066C YPR102C RPL11A YJL196C ELO1 YOR050C YOR050C YOR123C LEO1

YDR485C YDR485C YNR071C YNR071C YML095C-A YML095C-A YAL008W YAL008W YMR092C AIP1 YMR165C SMP2 YLR259C HSP60 YFL055W AGP3 YNL112W DBP2 YML060W OGG1 YHR045W YHR045W YKL175W YKL175W YBR230C YBR230C YHL014C YLF2 YGL035C MIG1 YGL108C YGL108C YFL056C AAD6 YML061C PIF1 YMR238W DFG5 YJR004C SAG1 YDL098C SNU23 YLR186W YLR186W YHR046C YHR046C YKL176C YKL176C YGR067C YGR067C YOR051C YOR051C YDR486C YDR486C YOR124C UBP2 YAL009W SPO7 YMR166C YMR166C YMR239C RNT1 YNL040W YNL040W YNL113W RPC19 YIR025W YIR025W YPR030W CSR2 YHR119W SET1 YBR231C YBR231C YPR103W PRE2 YJL197W UBP12 YNR072W HXT17 YFL057C YFL057C YNL041C YNL041C YMR093W YMR093W YNL114C YNL114C YML062C MFT1 YLR187W YLR187W YIR026C YVH1 YHR047C AAP1 YPR104C FHL1

YGR068C YGR068C YOR052C YOR052C YOR125C CAT5 RIB3 YDR487C YNR073C YNR073C YHL015W RPS20 YGL036W MTC2 YOL020W SCM2 YGL109W YGL109W YJR005W APL1 YDL099W YDL099W YPR031W YPR031W YKL177W YKL177W YHL016C DUR3 YBR232C YBR232C YJL198W YJL198W YGL037C YGL037C YOL021C DIS3 YMR094W CTF13 YNL115C YNL115C YMR167W MLH1 YLR188W MDL1 YIR027C DAL1 YKL178C STE3 YPR105C YPR105C YJL199C YJL199C YDR488C PAC11 YOR126C IAH1 YNR074C YNR074C YMR095C SNO1 YMR168C CEP3 YLR189C UGT51 YFL058W THI5 YNL042W BOP3 YJR006W HYS2 YML063W RPS1B YHR048W YHR048W YPR032W SRO7 YGR069W YGR069W YOR053W YOR053W YGL038C OCH1 YOL022C YOL022C YNL043C YNL043C YGR280C YGR280C YER056C-A RPL34A YML064C TEM1 YKL179C YKL179C YPR033C HTS1 YOR054C YOR054C

YMR169C ALD3 YBR160W CDC28 YBR233W PBP2 YHL017W YHL017W YPL001W HAT1 YFL059W SNZ3 YNL116W YNL116W YJR007W SUI2 YIR028W DAL4 YHR049W YHR049W YBR234C ARC40 YPR106W ISR1 YPL002C SNF8 YOR127W RGA1 YDR489W YDR489W YNR075W COS₁₀ YMR096W SNZ1 YPR107C YTH1 YOR128C ADE2 YMR097C YMR097C **YBR161W** YBR161W YHL018W YHL018W YBR162W-A YSY6 YGL039W YGL039W YOL023W IFM1 YNL044W YIP3 YNL117W MLS1 YGR281W YOR1 YJR008W YJR008W YML065W ORC1 YDR120C TRM1 YIR029W DAL₂ YPR034W ARP7 YBR162C YBR162C APM2 YHL019C YOR055W YOR055W YNR076W PAU₆ YNL118C DCP2 YGR282C BGL2 YML066C YML066C YJR009C TDH2 YOR056C YOR056C YOR129C YOR129C YNR077C YNR077C YGL250W YGL250W YMR098C YMR098C YBR235W YBR235W YPL003W ULA1

YOL024W

YOL024W

YNL045W YNL045W YGL251C HFM1 YBR090C YBR090C YPR035W GLN1 YBR236C ABD1 YPR108W RPN7 YPL004C YPL004C YGR283C YGR283C YML067C YML067C YOR340C RPA43 YER100W UBC6 YDR121W YDR121W YMR099C YMR099C **YBR163W** YBR163W YOL025W LAG2 YNL046W YNL046W YNL119W YNL119W YER101C AST2 YGL252C RTG2 YBR091C MRS5 YPR036W VMA13 YBR164C ARL1 YPR109W YPR109W YNL330C RPD3 YOR057W SGT1 YOL026C YOL026C YNL047C YNL047C YGR284C YGR284C YFL010W-A AUA1 YPR037C YPR037C YOR058C ASE1 YDR122W KIN1 YBR237W PRP5 YPL005W YPL005W YHR190W ERG9 YML068W YML068W YDR050C TPI1 YDR123C INO2 YOR341W **RPA190** YCR071C IMG2 YBR092C PHO3 YNL331C AAD14 YBR238C YBR238C YOL027C YOL027C YHR191C CTF8 YGR285C ZUO1 YBL060W YBL060W YOR342C YOR342C YER102W RPS8B

YOR059C YOR059C YGL180W APG1 YGL253W HXK2 **YBR165W** UBS1 YBL061C SKT5 YNL048W ALG11 YML069W POB3 YDR051C YDR051C YCR072C YCR072C YBR093C PHO₅ YBR166C TYR1 YJR150C DAN1 YBR239C YBR239C YPL007C YPL007C YOL028C YAP7 YCL040W GLK1 YNL049C SFB2 YGR286C BIO2 YOR270C VPH1 YOR343C YOR343C YER030W YER030W YER103W SSA4 YGL181W GTS1 YDR124W YDR124W YDL020C RPN4 YGL254W FZF1 YCL041C YCL041C YNL332W THI12 YHR192W YHR192W YER031C YPT31 YDR052C DBF4 YDR125C ECM18 YGL182C YGL182C YCR073C SSK22 YNL260C YNL260C YBR167C POP7 YJR151C YJR151C YOL029C YOL029C YHR193C EGD2 YBL062W YBL062W YGR287C YGR287C YOR271C YOR271C YOR344C TYE7 YFR010W UBP6 YIL140W SRO4 YER104W YER104W YGL255W ZRT1 YBR094W YBR094W YNL333W SNZ2

YPL008W CHL1 YFR011C YFR011C YER105C **NUP157** YGL183C YGL183C YLR110C YLR110C YBR095C YBR095C YNL334C SNO2 YPL009C YPL009C YDL021W GPM2 YCL042W YCL042W YBL063W KIP1 YOR345C YOR345C YJL120W YJL120W YIL141W YIL141W YER032W FIR1 YEL001C YEL001C YDR053W YDR053W YGL256W ADH4 YCL043C PDI1 YNL261W ORC5 YBR168W YBR168W YBL064C YBL064C YKL100C YKL100C YJR152W DAL5 YJL121C RPE1 YDR410C STE14 YHR194W YHR194W YER033C YER033C YDR054C CDC34 YGR288W MAL13 YOR272W YTM1 YGL184C YGL184C YCR075C ERS1 YGL257C MNT2 YJR080C YJR080C YBR169C SSE2 YDL022W GPD1 YGR289C MAL11 YOR273C YOR273C YFR012W YFR012W YIL142W CCT2 YER106W YER106W YEL002C WBP1 YDR127W ARO1 YPL220W RPL1A YLR111W YLR111W YDL023C YDL023C YBR096W YBR096W YCL044C YCL044C

YNL262W POL₂ YJR153W PGU1 YNL335W YNL335W YDR411C YDR411C YIL070C MAM33 YHR195W VAB36 YIL143C SSL2 YER107C GLE2 YGL185C YGL185C YOR346W REV1 YCR076C YCR076C YNL263C YIF1 YBL065W YBL065W YKL101W HSL1 YJL122W YJL122W YOR347C PYK2 YFR013W YFR013W YER034W YER034W YDR055W PST1 YDR128W YDR128W YPL221W BOP1 YGL258W YGL258W YLR112W YLR112W YDL024C YDL024C YKR060W YKR060W YBR097W VPS15 YCL045C YCL045C YNL190W YNL190W YNL336W COS1 YJR154W YJR154W YKL102C YKL102C YBL066C SEF1 YJL123C YJL123C YFR014C CMK1 YIL071C YIL071C YHR196W YHR196W YPR180W AOS1 YER108C FLO8 YDR056C YDR056C YOR274W MOD5 YLR040C YLR040C YGL186C YGL186C YDR129C SAC6 YCR077C PAT1 YNL264C PDR17 YJR082C YJR082C YEL003W GIM4 YPR181C SEC23 YJL050W MTR4

YOR275C YOR275C YOR348C PUT4 YDR412W YDR412W YIL144W TID3 YER035W YER035W YPL222W YPL222W YGL259W YPS5 YLR113W HOG1 YDL025C YDL025C YKR061W KTR2 YNL191W YNL191W YBR098W YBR098W YBL067C **UBP13** YJR155W AAD10 YKL103C LAP4 YNL337W YNL337W YJL124C LSM1 YDR413C YDR413C YFR015C GSY1 YHR197W YHR197W YIL145C YIL145C YER036C YER036C GRE1 YPL223C YGL187C COX4 YLR114C YLR114C YBR099C YBR099C YNL265C YNL265C YJR083C YJR083C YJR156C THI11 YEL004W YEA4 YHR198C YHR198C YCL046W YCL046W YKL030W YKL030W YJL051W YJL051W YDR340W YDR340W YIL072W HOP1 FMS1 YMR020W YPL150W YPL150W YEL005C VAB31 YDR057W YDR057W YLR041W YLR041W YKR062W TFA2 YLL010C YLL010C YCL047C YCL047C YNL192W CHS1 YKL104C GFA1 YJL125C GCD14 YDR341C YDR341C YIL073C SPO22

YFR016C YFR016C YDR414C ERD1 YIL146C ECM37 YPR182W SMX3 YMR021C MAC1 YPL151C PRP46 YDR058C TGL2 YOR276W CAF20 YPL224C MMT2 YLR042C YLR042C YGL188C YGL188C YOR349W CIN1 YKR063C LAS1 YNL339C YRF1-6 YDL026W YDL026W YHR199C YHR199C YKL031W YKL031W YBL068W PRS4 YJL052W TDH1 YOR277C YOR277C YER037W YER037W YLR115W CFT2 YDL027C YDL027C YCR079W YCR079W YAL058C-A YAL058C-A YNL193W YNL193W YNL266W YNL266W YJR084W YJR084W YKL032C IXR1 YKL105C YKL105C YJR157W YJR157W YDR342C HXT7 YDR415C YDR415C YIL074C SER33 YFR017C YFR017C YNR001C CIT1 SLN1 YIL147C YPR183W DPM1 YER038C YER038C YDR059C UBC5 RPS26A YGL189C YLR043C TRX1 YNL194C YNL194C YJR085C YJR085C YLL011W SOF1 YCL048W YCL048W YBL069W AST1 YJL053W PEP8 YJL126W NIT2

YMR022W UBC7 YPL152W RRD2 YPL225W YPL225W YDL028C MPS1 YLR116W MSL5 YKR064W YKR064W YCL049C YCL049C YNL267W PIK1 YJR158W HXT16 YDR343C HXT6 YJL127C SPT10 YFR018C YFR018C YIL075C RPN2 YNR002C YNR002C YPR184W YPR184W YER039C HVG1 YPL080C YPL080C YMR023C MSS1 YPL153C RAD53 YOR278W HEM4 YLR044C PDC1 YLR117C SYF3 YKR065C YKR065C YNL195C YNL195C YEL007W YEL007W YLL012W YLL012W YKL033W YKL033W AAT1 YKL106W YDR270W CCC2 YOR279C YOR279C YJL054W TIM54 YDR416W SYF1 YLR400W YLR400W YIL148W RPL40A YPL226W YPL226W YLL013C YLL013C YNL268W LYP1 YJR086W STE18 YJR159W SOR1 YDR271C YDR271C YDR344C YDR344C YJL128C PBS2 YDR417C YDR417C YLR401C YLR401C YIL149C YIL149C YNR003C RPC34 YPR185W APG13 YPL154C PEP4 YLR045C STU2

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YNL198C YNL198C YLL015W BPT1 YPR188C YPR188C YKL109W HAP4 YDR273W YDR273W YLR330W CHS5 YIL078W THS1 YDR419W RAD30 YLR403W SFP1 YPL229W YPL229W YER180C ISC10 YJR089W BIR1 YDR274C YDR274C YJL058C YJL058C YMR310C YMR310C YLR331C YLR331C YIL079C YIL079C YDL242W YDL242W YNL199C GCR2 YGR211W ZPR1 YLL016W SDC25 YKL037W YKL037W YDR347W MRP1 YDL243C AAD4 YLR404W YLR404W YNR006W VPS27 YPL084W BRO1 YMR027W HRT2 YPL157W YPL157W YLR048W RPS0B YKR069W MET1 YER181C YER181C YMR311C GLC8 YDR348C YDR348C YNR007C AUT1 YPR189W SKI3 YPL158C YPL158C YLR049C YLR049C YDL170W UGA3 YFL018W-A SMX2 YGR212W YGR212W YKL038W RGT1 YDR275W YDR275W YJL059W YHC3 YDL171C GLT1 MID2 YLR332W YLR405W YLR405W YPL085W SEC16 YGR213C RTA1

YLL018C DPS1 YDR276C YDR276C YDR349C YPS7 YLR333C RPS25B YOR304C-A YOR304C-A YMR029C YMR029C YBR020W GAL1 YPL086C ELP3 YPL159C YPL159C YDL244W THI13 YAL010C MDM10 YER182W YER182W YKL039W PTM1 YMR312W YMR312W YDL172C YDL172C YLR260W LCB5 YDL245C HXT15 YNR008W LRO1 YLL019C KNS1 YER183C YER183C YMR240C CUS1 YDR277C MTH1 YMR313C YMR313C YHR139C-A YHR139C-A YLR334C YLR334C YBR021W FUR4 YAR042W SWH1 YHR120W MSH1 YGR141W YGR141W YGR214W RPS0A YGL110C YGL110C YDL246C YDL246C YLR407W YLR407W YNR009W YNR009W YPL087W YPL087W YAL011W YAL011W YER184C YER184C YDR278C YDR278C YLR262C YPT6 YLR408C YLR408C YCR001W YCR001W YBR022W YBR022W YDL173W YDL173W YHR121W YHR121W YGR142W BTN2 YGR215W YGR215W YCR002C CDC10 CHS3 YBR023C YMR241W YHM2

PRE5 YMR314W YDL174C DLD1 YLR335W NUP2 YPL088W YPL088W YGR216C GPI1 YAL012W CYS3 YMR242C RPL20A YGL111W YGL111W YLR336C SGD1 YLR409C YLR409C YPL089C RLM1 YAR044W OSH1 YDL247W YDL247W YHR122W YHR122W YGR070W ROM1 YGR143W SKN1 YOR200W YOR200W YGL112C TAF60 YFL060C SNO3 YER185W YER185W YDR279W YDR279W YMR315W YMR315W YLR190W YLR190W YDL175C YDL175C YLR263W RED1 YGR071C YGR071C YDR490C PKH1 YOR201C PET56 YAL013W DEP1 YER186C YER186C YMR170C ALD2 YMR243C ZRC1 YCR003W MRPL32 YBR024W SCO2 YDL248W COS7 YAL014C YAL014C YHR050W SMF2 YKL180W RPL17A YHR123W EPT1 YGR144W THI4 YGL040C HEM2 YGR217W CCH1 YCR004C YCP4 YBR025C YBR025C YLR191W PEX13 **YMR316W** YMR316W YLR264W RPS28B YIR030C DCG1 YDR491C YDR491C

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