|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Interactions | |  | Interactions | |  | Interactions | |  | Interactions | |
| Protein A | Protein B |  | Protein A | Protein B |  | Protein A | Protein B |  | Protein A | Protein B |
| YAL005C | YBR101C |  | YDL207W | YDR192C |  | YFR008W | YMR052W |  | YJL187C | YPR082C |
| YAL012W | YAL012W |  | YDL208W | YDR510W |  | YFR008W | YOL135C |  | YJL189W | YKR048C |
| YAL016W | YIL065C |  | YDL208W | YHR072WA |  | YFR008W | YOR111W |  | YJL189W | YMR139W |
| YAL016W | YNL127W |  | YDL208W | YLR175W |  | YFR008W | YPR046W |  | YJL189W | YOR229W |
| YAL020C | YBL071WA |  | YDL208W | YNL124W |  | YFR015C | YFR015C |  | YJL199C | YJL199C |
| YAL021C | YJL112W |  | YDL209C | YLL036C |  | YFR015C | YJL137C |  | YJL199C | YLR291C |
| YAL021C | YMR124W |  | YDL210W | YGL230C |  | YFR015C | YLR258W |  | YJL199C | YML064C |
| YAL021C | YMR181C |  | YDL212W | YDR508C |  | YFR017C | YPR184W |  | YJL199C | YNL189W |
| YAL021C | YNR052C |  | YDL212W | YPL094C |  | YFR024CA | YGL181W |  | YJL200C | YOL133W |
| YAL024C | YHR158C |  | YDL215C | YLR432W |  | YFR024CA | YGR268C |  | YJL218W | YJL218W |
| YAL027W | YPL022W |  | YDL215C | YPR048W |  | YFR024CA | YKL068W |  | YJL218W | YJR121W |
| YAL028W | YDL239C |  | YDL216C | YMR025W |  | YFR024CA | YNL094W |  | YJL218W | YLR291C |
| YAL032C | YDR416W |  | YDL217C | YHR114W |  | YFR024CA | YOR042W |  | YJL218W | YML064C |
| YAL032C | YDR448W |  | YDL218W | YGL044C |  | YFR024CA | YPR171W |  | YJL218W | YNL189W |
| YAL032C | YDR532C |  | YDL220C | YDR082W |  | YFR027W | YJL019W |  | YJL218W | YPL070W |
| YAL032C | YJL112W |  | YDL224C | YER059W |  | YFR033C | YNL236W |  | YJR003C | YLR423C |
| YAL032C | YLR345W |  | YDL226C | YER118C |  | YFR034C | YFR034C |  | YJR003C | YPL049C |
| YAL032C | YLR423C |  | YDL226C | YGL198W |  | YFR036W | YJR091C |  | YJR003C | YPR173C |
| YAL032C | YNL229C |  | YDL226C | YGR172C |  | YFR037C | YML127W |  | YJR009C | YML053C |
| YAL032C | YPL151C |  | YDL226C | YJL151C |  | YFR037C | YMR091C |  | YJR010W | YJR010W |
| YAL034WA | YGL172W |  | YDL226C | YKR088C |  | YFR042W | YPR159W |  | YJR010W | YLR291C |
| YAL034WA | YGR120C |  | YDL226C | YOL129W |  | YFR043C | YPR029C |  | YJR010W | YNL189W |
| YAL034WA | YJR112W |  | YDL226C | YOR327C |  | YFR047C | YFR047C |  | YJR011C | YLR368W |
| YAL034WA | YKL103C |  | YDL226C | YPR113W |  | YFR047C | YLL046C |  | YJR011C | YNR069C |
| YAL036C | YDR152W |  | YDL226C | YPR183W |  | YFR047C | YNL189W |  | YJR013W | YPL094C |
| YAL036C | YDR448W |  | YDL235C | YLR006C |  | YFR049W | YOR047C |  | YJR021C | YLR386W |
| YAL036C | YLR423C |  | YDL236W | YDL236W |  | YFR052W | YJR133W |  | YJR021C | YNL189W |
| YAL036C | YOR174W |  | YDL236W | YNL189W |  | YGL004C | YGL048C |  | YJR022W | YLR438CA |
| YAL040C | YJL013C |  | YDL237W | YPR148C |  | YGL004C | YGR232W |  | YJR023C | YLR404W |
| YAL041W | YBR200W |  | YDL239C | YDR148C |  | YGL013C | YGL013C |  | YJR023C | YMR316CB |
| YAL044WA | YDR098C |  | YDL239C | YDR176W |  | YGL015C | YLR319C |  | YJR024C | YJR024C |
| YAL044WA | YER174C |  | YDL239C | YDR273W |  | YGL019W | YGR068C |  | YJR034W | YNL236W |
| YAL044WA | YNL218W |  | YDL239C | YDR520C |  | YGL024W | YOL130W |  | YJR039W | YMR021C |
| YAL044WA | YNL249C |  | YDL239C | YGL153W |  | YGL025C | YOL130W |  | YJR039W | YOR111W |
| YAL046C | YDR098C |  | YDL239C | YGR268C |  | YGL030W | YHR204W |  | YJR044C | YOL129W |
| YAL046C | YER174C |  | YDL239C | YHR184W |  | YGL037C | YGL037C |  | YJR046W | YMR111C |
| YAL046C | YKR034W |  | YDL239C | YKL103C |  | YGL037C | YNL189W |  | YJR052W | YLR442C |
| YAL049C | YNL094W |  | YDL239C | YKR034W |  | YGL037C | YPL070W |  | YJR053W | YMR055C |
| YAL054C | YDR216W |  | YDL239C | YLR072W |  | YGL040C | YGL040C |  | YJR055W | YPL193W |
| YAL054C | YLR049C |  | YDL239C | YLR098C |  | YGL040C | YML064C |  | YJR056C | YJR056C |
| YAL054C | YNL189W |  | YDL239C | YLR423C |  | YGL040C | YNL189W |  | YJR056C | YNL189W |
| YAL055W | YDL100C |  | YDL239C | YML042W |  | YGL044C | YMR061W |  | YJR057W | YJR057W |
| YAL055W | YGR133W |  | YDL239C | YNR012W |  | YGL044C | YMR270C |  | YJR057W | YLR291C |
| YAL060W | YER081W |  | YDL239C | YOL091W |  | YGL051W | YGL051W |  | YJR068W | YNL290W |
| YAL062W | YLR267W |  | YDL239C | YOR304CA |  | YGL051W | YML018C |  | YJR072C | YLR150W |
| YAR003W | YBR175W |  | YDL239C | YOR324C |  | YGL053W | YGR177C |  | YJR072C | YLR243W |
| YAR003W | YDR140W |  | YDL239C | YOR380W |  | YGL053W | YML029W |  | YJR072C | YOR262W |
| YAR007C | YJL173C |  | YDL239C | YPL049C |  | YGL053W | YMR079W |  | YJR074W | YLR293C |
| YAR014C | YER133W |  | YDL239C | YPL070W |  | YGL053W | YNL315C |  | YJR074W | YMR314W |

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| YAR018C | YAR018C |  | YDL239C | YPL124W |  | YGL053W | YOR059C |  | YJR074W | YOR185C |
| YAR027W | YAR027W |  | YDL239C | YPL255W |  | YGL053W | YPL020C |  | YJR075W | YPL094C |
| YAR027W | YAR028W |  | YDL246C | YDL246C |  | YGL053W | YPR174C |  | YJR076C | YLL019C |
| YAR027W | YBR042C |  | YDL246C | YJR159W |  | YGL054C | YIR038C |  | YJR083C | YLR295C |
| YAR027W | YDR100W |  | YDR001C | YLR270W |  | YGL058W | YLR024C |  | YJR086W | YOR212W |
| YAR027W | YDR411C |  | YDR002W | YKR048C |  | YGL060W | YOL133W |  | YJR091C | YKL002W |
| YAR027W | YEL042W |  | YDR004W | YDR076W |  | YGL061C | YGR113W |  | YJR091C | YKL076C |
| YAR027W | YER087CA |  | YDR005C | YER081W |  | YGL061C | YKR037C |  | YJR091C | YKL113C |
| YAR027W | YGL104C |  | YDR008C | YJR091C |  | YGL071W | YGR211W |  | YJR091C | YKR037C |
| YAR027W | YGL225W |  | YDR013W | YDR489W |  | YGL071W | YIR018W |  | YJR091C | YLR059C |
| YAR027W | YGR284C |  | YDR013W | YPR135W |  | YGL079W | YGR113W |  | YJR091C | YLR156W |
| YAR027W | YJL097W |  | YDR016C | YDR320CA |  | YGL086W | YLR423C |  | YJR091C | YLR392C |
| YAR027W | YJL117W |  | YDR016C | YGL061C |  | YGL090W | YLR424W |  | YJR091C | YLR420W |
| YAR027W | YJR013W |  | YDR016C | YGR113W |  | YGL090W | YNL113W |  | YJR091C | YML015C |
| YAR027W | YJR044C |  | YDR016C | YKR037C |  | YGL090W | YOR005C |  | YJR091C | YMR067C |
| YAR027W | YLR279W |  | YDR017C | YDR099W |  | YGL092W | YKL057C |  | YJR091C | YNR048W |
| YAR027W | YLR350W |  | YDR020C | YDR020C |  | YGL094C | YKL025C |  | YJR091C | YOR014W |
| YAR027W | YML055W |  | YDR020C | YNR012W |  | YGL095C | YOL018C |  | YJR091C | YOR265W |
| YAR027W | YMR071C |  | YDR022C | YLR423C |  | YGL096W | YJL011C |  | YJR091C | YOR317W |
| YAR027W | YNL219C |  | YDR026C | YDR110W |  | YGL104C | YIR038C |  | YJR091C | YPL159C |
| YAR027W | YNL263C |  | YDR027C | YFL029C |  | YGL106W | YGL106W |  | YJR093C | YNL092W |
| YAR027W | YNL315C |  | YDR032C | YDR032C |  | YGL112C | YMR236W |  | YJR093C | YPR107C |
| YAR027W | YOL129W |  | YDR032C | YLR291C |  | YGL112C | YMR255W |  | YJR094C | YMR139W |
| YAR027W | YPL020C |  | YDR034C | YER043C |  | YGL112C | YOR220W |  | YJR097W | YNL092W |
| YAR027W | YPR113W |  | YDR034C | YGR113W |  | YGL115W | YGL208W |  | YJR101W | YLR423C |
| YAR027W | YPR159CA |  | YDR036C | YGL153W |  | YGL115W | YJL112W |  | YJR102C | YLR417W |
| YAR028W | YAR028W |  | YDR036C | YKL142W |  | YGL115W | YLR291C |  | YJR102C | YML101C |
| YAR028W | YJL097W |  | YDR036C | YLR397C |  | YGL115W | YNL153C |  | YJR102C | YMR077C |
| YAR031W | YBR217W |  | YDR044W | YDR044W |  | YGL115W | YPL149W |  | YJR102C | YPL002C |
| YAR031W | YCR030C |  | YDR044W | YDR077W |  | YGL116W | YJL030W |  | YJR102C | YPL065W |
| YAR033W | YAR033W |  | YDR045C | YDR448W |  | YGL122C | YGL122C |  | YJR103W | YJR103W |
| YAR033W | YGL051W |  | YDR045C | YIL122W |  | YGL122C | YIL079C |  | YJR118C | YPL094C |
| YAR033W | YPR113W |  | YDR047W | YDR047W |  | YGL122C | YIL092W |  | YJR125C | YOR111W |
| YAR035W | YER024W |  | YDR051C | YDR051C |  | YGL122C | YKR026C |  | YJR133W | YNL189W |
| YAR066W | YDR074W |  | YDR051C | YLR291C |  | YGL122C | YLR177W |  | YJR134C | YMR047C |
| YBL001C | YBL001C |  | YDR052C | YLR423C |  | YGL122C | YLR206W |  | YJR135C | YPR046W |
| YBL006C | YDR489W |  | YDR054C | YNL236W |  | YGL122C | YMR255W |  | YJR136C | YKL033W |
| YBL007C | YHR016C |  | YDR059C | YPR093C |  | YGL122C | YNL016W |  | YJR141W | YLR447C |
| YBL010C | YKR022C |  | YDR063W | YDR124W |  | YGL122C | YOL123W |  | YJR159W | YNL189W |
| YBL014C | YJL025W |  | YDR063W | YKR034W |  | YGL124C | YKL025C |  | YKL001C | YNL311C |
| YBL016W | YDR480W |  | YDR070C | YFL017C |  | YGL124C | YNL286W |  | YKL002W | YLR423C |
| YBL016W | YPL049C |  | YDR073W | YML068W |  | YGL126W | YPL161C |  | YKL002W | YMR117C |
| YBL020W | YDR479C |  | YDR074W | YER019CA |  | YGL127C | YLR423C |  | YKL002W | YOR047C |
| YBL020W | YIR038C |  | YDR076W | YER095W |  | YGL127C | YOL135C |  | YKL008C | YMR298W |
| YBL021C | YGL237C |  | YDR078C | YHL006C |  | YGL127C | YOR047C |  | YKL012W | YNL236W |
| YBL021C | YOR358W |  | YDR078C | YIL152W |  | YGL127C | YOR128C |  | YKL015W | YML051W |
| YBL023C | YDR122W |  | YDR078C | YJL092W |  | YGL127C | YOR174W |  | YKL017C | YOL108C |
| YBL023C | YDR473C |  | YDR082W | YLR010C |  | YGL127C | YPR168W |  | YKL019W | YKL159C |
| YBL023C | YLR096W |  | YDR084C | YGL127C |  | YGL130W | YPL228W |  | YKL019W | YOL135C |
| YBL023C | YLR291C |  | YDR084C | YGL161C |  | YGL134W | YPL031C |  | YKL019W | YOR380W |
| YBL023C | YMR314W |  | YDR084C | YGL198W |  | YGL141W | YKR064W |  | YKL020C | YOR250C |
| YBL023C | YPL144W |  | YDR085C | YLR423C |  | YGL144C | YMR070W |  | YKL023W | YKR092C |
| YBL023C | YPR019W |  | YDR086C | YPR071W |  | YGL145W | YNL258C |  | YKL025C | YLR291C |

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| YBL025W | YMR270C |  | YDR091C | YLR192C |  | YGL145W | YPR105C |  | YKL028W | YKR062W |
| YBL026W | YCR077C |  | YDR092W | YGL087C |  | YGL150C | YOR355W |  | YKL033W | YPR085C |
| YBL026W | YGR158C |  | YDR098C | YGL071W |  | YGL153W | YGL153W |  | YKL035W | YKL035W |
| YBL026W | YLR438CA |  | YDR098C | YGL220W |  | YGL153W | YIR034C |  | YKL035W | YML064C |
| YBL033C | YBL033C |  | YDR099W | YKL168C |  | YGL153W | YLR291C |  | YKL038W | YOR047C |
| YBL033C | YNL105W |  | YDR099W | YLR177W |  | YGL153W | YMR267W |  | YKL044W | YLR288C |
| YBL033C | YPR172W |  | YDR099W | YNL042W |  | YGL153W | YNL044W |  | YKL050C | YLR423C |
| YBL035C | YNL102W |  | YDR099W | YPL267W |  | YGL153W | YNL086W |  | YKL052C | YKR083C |
| YBL037W | YFR043C |  | YDR100W | YDR100W |  | YGL153W | YOL105C |  | YKL052C | YMR077C |
| YBL037W | YJR058C |  | YDR100W | YDR479C |  | YGL153W | YOL145C |  | YKL058W | YOR194C |
| YBL037W | YKL103C |  | YDR100W | YER101C |  | YGL153W | YOR180C |  | YKL061W | YNL086W |
| YBL039C | YJR103W |  | YDR100W | YGR177C |  | YGL153W | YPR105C |  | YKL061W | YNL122C |
| YBL042C | YER021W |  | YDR100W | YGR223C |  | YGL154C | YGL254W |  | YKL063C | YPL094C |
| YBL043W | YBL101WA |  | YDR100W | YHR105W |  | YGL154C | YOR128C |  | YKL067W | YKL067W |
| YBL043W | YDR099W |  | YDR100W | YJL104W |  | YGL155W | YKL019W |  | YKL067W | YLR347C |
| YBL045C | YPR191W |  | YDR100W | YKL003WA |  | YGL156W | YKL103C |  | YKL067W | YML064C |
| YBL046W | YNL201C |  | YDR100W | YLR108C |  | YGL156W | YOL082W |  | YKL067W | YNL189W |
| YBL047C | YCR030C |  | YDR100W | YLR393W |  | YGL156W | YOL083W |  | YKL068W | YMR047C |
| YBL047C | YGR241C |  | YDR100W | YML029W |  | YGL158W | YLR113W |  | YKL069W | YKL069W |
| YBL051C | YIL151C |  | YDR100W | YML110C |  | YGL161C | YGL198W |  | YKL071W | YNR012W |
| YBL051C | YKR096W |  | YDR100W | YMR024W |  | YGL166W | YJL154C |  | YKL071W | YPL157W |
| YBL056W | YDR071C |  | YDR100W | YMR079W |  | YGL166W | YKR011C |  | YKL074C | YLR423C |
| YBL057C | YMR276W |  | YDR100W | YNL189W |  | YGL166W | YLL028W |  | YKL075C | YNL091W |
| YBL058W | YDL190C |  | YDR100W | YNL198C |  | YGL166W | YML006C |  | YKL088W | YOR054C |
| YBL058W | YFL044C |  | YDR100W | YNL204C |  | YGL166W | YNL189W |  | YKL090W | YPL128C |
| YBL058W | YLR291C |  | YDR100W | YNL315C |  | YGL166W | YOR210W |  | YKL103C | YKL103C |
| YBL058W | YNL155W |  | YDR100W | YOR109W |  | YGL166W | YOR220W |  | YKL103C | YLR291C |
| YBL060W | YOR094W |  | YDR100W | YPL020C |  | YGL170C | YMR047C |  | YKL103C | YLR385C |
| YBL068W | YOL061W |  | YDR100W | YPL094C |  | YGL172W | YGR119C |  | YKL103C | YML064C |
| YBL069W | YDR100W |  | YDR100W | YPL095C |  | YGL172W | YNL041C |  | YKL103C | YMR218C |
| YBL077W | YBL077W |  | YDR100W | YPL100W |  | YGL172W | YNL086W |  | YKL103C | YNL107W |
| YBL078C | YHR171W |  | YDR100W | YPL135W |  | YGL174W | YIR005W |  | YKL103C | YNL189W |
| YBL078C | YNL223W |  | YDR100W | YPL218W |  | YGL175C | YGL175C |  | YKL103C | YOL082W |
| YBL078C | YNR007C |  | YDR100W | YPR174C |  | YGL175C | YJR058C |  | YKL103C | YOL145C |
| YBL078C | YOL083W |  | YDR105C | YER081W |  | YGL175C | YLR291C |  | YKL103C | YOR136W |
| YBL081W | YDL167C |  | YDR106W | YHR129C |  | YGL175C | YLR442C |  | YKL103C | YPR049C |
| YBL091C | YGR142W |  | YDR107C | YMR070W |  | YGL175C | YNL189W |  | YKL107W | YLR288C |
| YBL091CA | YDR479C |  | YDR108W | YGR234W |  | YGL180W | YPR185W |  | YKL117W | YLR157C |
| YBL091CA | YIR038C |  | YDR113C | YGR098C |  | YGL181W | YGR178C |  | YKL117W | YPL240C |
| YBL091CA | YML029W |  | YDR115W | YKL142W |  | YGL181W | YGR241C |  | YKL130C | YKL130C |
| YBL091CA | YPL094C |  | YDR121W | YJL065C |  | YGL181W | YHR161C |  | YKL130C | YMR314W |
| YBL093C | YML051W |  | YDR122W | YOL082W |  | YGL181W | YHR177W |  | YKL130C | YNL023C |
| YBL101C | YNL225C |  | YDR123C | YML051W |  | YGL181W | YIL122W |  | YKL130C | YNL189W |
| YBL101WA | YFL002WA |  | YDR123C | YOL108C |  | YGL181W | YMR182C |  | YKL130C | YPR020W |
| YBL101WA | YJL162C |  | YDR128W | YLR208W |  | YGL181W | YNL124W |  | YKL132C | YPR022C |
| YBL101WA | YNL229C |  | YDR132C | YDR132C |  | YGL181W | YPL013C |  | YKL135C | YML051W |
| YBL102W | YGR068C |  | YDR132C | YFL009W |  | YGL181W | YPL049C |  | YKL135C | YOL108C |
| YBL102W | YLR453C |  | YDR132C | YHL009C |  | YGL187C | YGL213C |  | YKL135C | YPL259C |
| YBL102W | YOR036W |  | YDR132C | YHR170W |  | YGL187C | YML042W |  | YKL135C | YPR029C |
| YBL105C | YML109W |  | YDR132C | YJL218W |  | YGL189C | YHR114W |  | YKL142W | YKL142W |
| YBR006W | YBR006W |  | YDR132C | YJR102C |  | YGL189C | YLL027W |  | YKL142W | YKL157W |
| YBR006W | YDR382W |  | YDR132C | YPL018W |  | YGL189C | YLR435W |  | YKL142W | YMR165C |
| YBR006W | YKL023W |  | YDR138W | YKL171W |  | YGL190C | YLR373C |  | YKL142W | YMR210W |

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| YBR019C | YBR019C |  | YDR138W | YLR423C |  | YGL190C | YML109W |  | YKL142W | YMR243C |
| YBR029C | YIR033W |  | YDR140W | YIL151C |  | YGL198W | YPL095C |  | YKL142W | YNL063W |
| YBR029C | YIR038C |  | YDR140W | YNR046W |  | YGL201C | YIL150C |  | YKL142W | YNL210W |
| YBR030W | YLR244C |  | YDR142C | YGL153W |  | YGL213C | YML108W |  | YKL142W | YOL059W |
| YBR034C | YGR165W |  | YDR142C | YGR239C |  | YGL214W | YLR435W |  | YKL142W | YPL004C |
| YBR034C | YIL061C |  | YDR142C | YHR160C |  | YGL220W | YLR052W |  | YKL143W | YMR047C |
| YBR038W | YPR106W |  | YDR142C | YIL160C |  | YGL221C | YGL221C |  | YKL143W | YNL178W |
| YBR040W | YCL040W |  | YDR142C | YMR095C |  | YGL221C | YML064C |  | YKL151C | YPL070W |
| YBR041W | YDL153C |  | YDR145W | YLR390W |  | YGL221C | YNL189W |  | YKL171W | YML051W |
| YBR042C | YER081W |  | YDR146C | YDR335W |  | YGL223C | YML071C |  | YKL183W | YNL104C |
| YBR052C | YDR032C |  | YDR146C | YML051W |  | YGL225W | YHR114W |  | YKL186C | YPL138C |
| YBR055C | YLR446W |  | YDR148C | YDR510W |  | YGL225W | YIR033W |  | YKL189W | YLR423C |
| YBR055C | YPR082C |  | YDR148C | YFR049W |  | YGL225W | YIR038C |  | YKL189W | YOR353C |
| YBR056W | YFR007W |  | YDR148C | YKL010C |  | YGL225W | YPL094C |  | YKL189W | YPL049C |
| YBR057C | YCL055W |  | YDR148C | YNL092W |  | YGL225W | YPR071W |  | YKL192C | YOR124C |
| YBR057C | YDR206W |  | YDR152W | YGR173W |  | YGL229C | YJL013C |  | YKL197C | YNL329C |
| YBR057C | YER018C |  | YDR159W | YLR423C |  | YGL229C | YJL030W |  | YKL204W | YNL154C |
| YBR057C | YGL036W |  | YDR167W | YLR432W |  | YGL229C | YJL178C |  | YKL212W | YML029W |
| YBR057C | YGL192W |  | YDR167W | YML015C |  | YGL229C | YJL211C |  | YKL218C | YKL218C |
| YBR057C | YHL004W |  | YDR167W | YML114C |  | YGL229C | YMR181C |  | YKR014C | YMR258C |
| YBR057C | YJL025W |  | YDR171W | YDR171W |  | YGL229C | YOR062C |  | YKR014C | YOR370C |
| YBR057C | YJL058C |  | YDR171W | YDR448W |  | YGL229C | YPR040W |  | YKR022C | YLR424W |
| YBR057C | YJL085W |  | YDR171W | YDR510W |  | YGL230C | YKL110C |  | YKR022C | YNL258C |
| YBR057C | YPL135W |  | YDR171W | YOL083W |  | YGL230C | YOR161C |  | YKR026C | YKR026C |
| YBR059C | YBR059C |  | YDR173C | YMR042W |  | YGL233W | YLR166C |  | YKR026C | YLR291C |
| YBR059C | YER144C |  | YDR173C | YMR043W |  | YGL237C | YGR146C |  | YKR026C | YLR432W |
| YBR059C | YGL213C |  | YDR174W | YDR174W |  | YGL237C | YLR114C |  | YKR026C | YMR267W |
| YBR059C | YML014W |  | YDR174W | YDR510W |  | YGL237C | YLR423C |  | YKR026C | YMR269W |
| YBR072W | YBR072W |  | YDR174W | YIL013C |  | YGL237C | YOR047C |  | YKR034W | YKR034W |
| YBR072W | YBR261C |  | YDR174W | YKR092C |  | YGL237C | YOR358W |  | YKR034W | YLR132C |
| YBR072W | YDL239C |  | YDR174W | YML015C |  | YGL238W | YLR293C |  | YKR034W | YLR291C |
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| YBR072W | YNL189W |  | YDR174W | YPR104C |  | YGL238W | YNL236W |  | YKR034W | YMR308C |
| YBR077C | YGR201C |  | YDR176W | YDR448W |  | YGL238W | YOR185C |  | YKR034W | YNL021W |
| YBR077C | YKR007W |  | YDR176W | YLR423C |  | YGL240W | YKR048C |  | YKR034W | YNL229C |
| YBR077C | YMR004W |  | YDR177W | YPR093C |  | YGL242C | YKR099W |  | YKR034W | YOL054W |
| YBR080C | YBR080C |  | YDR179C | YKR060W |  | YGL244W | YLR385C |  | YKR034W | YOL145C |
| YBR080C | YBR261C |  | YDR179C | YMR025W |  | YGL250W | YLR082C |  | YKR037C | YLR423C |
| YBR080C | YIL046W |  | YDR189W | YLR026C |  | YGL250W | YLR442C |  | YKR043C | YKR043C |
| YBR080C | YJL030W |  | YDR190C | YPL235W |  | YGL250W | YMR068W |  | YKR048C | YKR048C |
| YBR080C | YLR291C |  | YDR192C | YER081W |  | YGL250W | YMR111C |  | YKR048C | YMR139W |
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| YBR080C | YNL288W |  | YDR195W | YGL153W |  | YGL252C | YGL252C |  | YKR048C | YOL059W |
| YBR080C | YPL070W |  | YDR200C | YMR052W |  | YGL252C | YLR291C |  | YKR048C | YOR032C |
| YBR087W | YDR229W |  | YDR200C | YNL127W |  | YGL254W | YGR047C |  | YKR055W | YNL127W |
| YBR087W | YJR068W |  | YDR201W | YIL144W |  | YGL254W | YHR215W |  | YKR059W | YPL125W |
| YBR088C | YDR510W |  | YDR201W | YKR037C |  | YGL254W | YOR039W |  | YKR066C | YPL004C |
| YBR094W | YLR264W |  | YDR201W | YKR083C |  | YGR003W | YOL133W |  | YKR068C | YLR328W |
| YBR094W | YOL149W |  | YDR201W | YNL189W |  | YGR004W | YPR028W |  | YKR068C | YOR115C |
| YBR102C | YLR423C |  | YDR203W | YJR091C |  | YGR010W | YGR010W |  | YKR071C | YPR048W |
| YBR103W | YGR262C |  | YDR205W | YNR039C |  | YGR010W | YLR328W |  | YKR072C | YML016C |
| YBR103W | YHL004W |  | YDR206W | YER027C |  | YGR010W | YLR438W |  | YKR083C | YLR423C |
| YBR103W | YIL112W |  | YDR206W | YJL030W |  | YGR010W | YNL189W |  | YKR084C | YNL001W |

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| YBR103W | YJR141W |  | YDR206W | YOL149W |  | YGR013W | YKL012W |  | YKR097W | YKR097W |
| YBR103W | YMR061W |  | YDR206W | YOR047C |  | YGR014W | YIL144W |  | YKR099W | YLR058C |
| YBR103W | YPL173W |  | YDR207C | YOL082W |  | YGR014W | YJL013C |  | YKR104W | YOL143C |
| YBR107C | YDR421W |  | YDR207C | YOR355W |  | YGR014W | YJL030W |  | YLL001W | YLL001W |
| YBR107C | YDR489W |  | YDR208W | YLR227C |  | YGR014W | YPL211W |  | YLL001W | YLR291C |
| YBR107C | YGL071W |  | YDR212W | YLR030W |  | YGR017W | YLR072W |  | YLL010C | YOR043W |
| YBR107C | YHR113W |  | YDR212W | YOR284W |  | YGR017W | YLR403W |  | YLL014W | YML029W |
| YBR108W | YCR009C |  | YDR212W | YPL049C |  | YGR020C | YHR060W |  | YLL032C | YML119W |
| YBR108W | YDR388W |  | YDR214W | YJL030W |  | YGR024C | YGR024C |  | YLL036C | YLR132C |
| YBR108W | YGR136W |  | YDR214W | YMR186W |  | YGR024C | YHR112C |  | YLL036C | YPR152C |
| YBR109C | YGL106W |  | YDR214W | YOL052C |  | YGR024C | YIL082W |  | YLL045C | YML029W |
| YBR111C | YLR245C |  | YDR214W | YPL240C |  | YGR024C | YKL090W |  | YLL049W | YLR423C |
| YBR111C | YPL070W |  | YDR215C | YKR024C |  | YGR024C | YLR291C |  | YLL049W | YMR294W |
| YBR122C | YGR211W |  | YDR215C | YPL175W |  | YGR024C | YNL189W |  | YLL049W | YNR069C |
| YBR123C | YLR423C |  | YDR218C | YJR076C |  | YGR024C | YPL110C |  | YLL057C | YLL057C |
| YBR125C | YDR071C |  | YDR225W | YKR048C |  | YGR027C | YGR086C |  | YLL057C | YLR291C |
| YBR126C | YBR126C |  | YDR229W | YJR068W |  | YGR027C | YPL004C |  | YLL060C | YLL060C |
| YBR126C | YML100W |  | YDR229W | YMR047C |  | YGR029W | YLR424W |  | YLL062C | YOL143C |
| YBR126C | YMR261C |  | YDR229W | YNL041C |  | YGR038W | YIR038C |  | YLR011W | YLR011W |
| YBR126WA | YIR038C |  | YDR229W | YPL135W |  | YGR038W | YML029W |  | YLR011W | YLR291C |
| YBR130C | YBR130C |  | YDR233C | YOR285W |  | YGR040W | YHR084W |  | YLR014C | YLR014C |
| YBR131W | YGL124C |  | YDR236C | YDR398W |  | YGR040W | YPL049C |  | YLR017W | YPR017C |
| YBR133C | YDL154W |  | YDR240C | YLR423C |  | YGR041W | YGR041W |  | YLR019W | YOR043W |
| YBR133C | YGL187C |  | YDR242W | YDR242W |  | YGR046W | YNL236W |  | YLR021W | YPL144W |
| YBR134W | YCR106W |  | YDR244W | YER056CA |  | YGR047C | YKR034W |  | YLR025W | YLR025W |
| YBR134W | YOR128C |  | YDR244W | YML042W |  | YGR048W | YPL222W |  | YLR025W | YMR154C |
| YBR135W | YBR160W |  | YDR244W | YNL044W |  | YGR049W | YGR278W |  | YLR025W | YOR275C |
| YBR135W | YBR252W |  | YDR245W | YJL183W |  | YGR057C | YIL109C |  | YLR025W | YPR173C |
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| YBR135W | YER102W |  | YDR255C | YKL144C |  | YGR058W | YGR058W |  | YLR031W | YMR124W |
| YBR135W | YGR108W |  | YDR256C | YDR256C |  | YGR058W | YGR136W |  | YLR049C | YPL161C |
| YBR135W | YPR119W |  | YDR256C | YGL153W |  | YGR058W | YLR113W |  | YLR070C | YLR070C |
| YBR137W | YBR137W |  | YDR256C | YLR291C |  | YGR058W | YNL047C |  | YLR072W | YLR173W |
| YBR137W | YML064C |  | YDR256C | YMR033W |  | YGR058W | YOR097C |  | YLR072W | YPR113W |
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| YBR137W | YNL189W |  | YDR256C | YPL070W |  | YGR061C | YLR386W |  | YLR089C | YLR423C |
| YBR141C | YDR372C |  | YDR259C | YDR311W |  | YGR063C | YML095C |  | YLR089C | YPR049C |
| YBR141C | YGL091C |  | YDR259C | YGL181W |  | YGR067C | YOL116W |  | YLR098C | YOL034W |
| YBR150C | YOL089C |  | YDR259C | YGR066C |  | YGR071C | YJL058C |  | YLR098C | YPL149W |
| YBR150C | YOR174W |  | YDR259C | YIL153W |  | YGR074W | YKL183W |  | YLR098C | YPR049C |
| YBR152W | YGR075C |  | YDR259C | YKL071W |  | YGR075C | YML051W |  | YLR102C | YMR092C |
| YBR153W | YBR153W |  | YDR259C | YLR423C |  | YGR082W | YGR120C |  | YLR108C | YLR108C |
| YBR154C | YFL023W |  | YDR259C | YLR447C |  | YGR083C | YLR291C |  | YLR119W | YMR032W |
| YBR155W | YER081W |  | YDR259C | YNL092W |  | YGR086C | YKL142W |  | YLR120WA | YPL208W |
| YBR156C | YPL209C |  | YDR261WA | YDR261WA |  | YGR086C | YPL004C |  | YLR125W | YLR288C |
| YBR162WA | YPL094C |  | YDR261WA | YDR261WB |  | YGR088W | YLR291C |  | YLR125W | YMR030W |
| YBR166C | YBR166C |  | YDR264C | YHR135C |  | YGR088W | YNR052C |  | YLR132C | YLR423C |
| YBR166C | YLR291C |  | YDR264C | YNL154C |  | YGR092W | YIL106W |  | YLR132C | YNL286W |
| YBR170C | YDL126C |  | YDR264C | YOR101W |  | YGR097W | YGR097W |  | YLR135W | YPL022W |
| YBR170C | YDL190C |  | YDR267C | YHR122W |  | YGR099W | YJL110C |  | YLR146C | YPR069C |
| YBR170C | YGR048W |  | YDR271C | YOR128C |  | YGR099W | YKL033W |  | YLR170C | YPR029C |
| YBR176W | YBR176W |  | YDR273W | YFR052W |  | YGR099W | YKL068W |  | YLR175W | YNL124W |
| YBR176W | YLR347C |  | YDR273W | YML051W |  | YGR099W | YML099C |  | YLR180W | YLR180W |

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| YBR176W | YML064C |  | YDR277C | YLR447C |  | YGR099W | YMR047C |  | YLR181C | YPR173C |
| YBR176W | YNL189W |  | YDR279W | YLR154C |  | YGR099W | YPL235W |  | YLR182W | YOL131W |
| YBR176W | YPL070W |  | YDR284C | YDR284C |  | YGR101W | YHL021C |  | YLR200W | YML094W |
| YBR182C | YER125W |  | YDR284C | YDR479C |  | YGR110W | YHR114W |  | YLR200W | YMR052W |
| YBR182C | YLR423C |  | YDR284C | YIR038C |  | YGR113W | YIL144W |  | YLR206W | YML051W |
| YBR186W | YBR261C |  | YDR284C | YNL111C |  | YGR113W | YKR037C |  | YLR206W | YOL111C |
| YBR186W | YLR032W |  | YDR284C | YPL094C |  | YGR113W | YLR423C |  | YLR208W | YMR017W |
| YBR187W | YNR032W |  | YDR284C | YPR071W |  | YGR113W | YLR424W |  | YLR209C | YNL189W |
| YBR188C | YDR416W |  | YDR292C | YKL154W |  | YGR117C | YNL236W |  | YLR211C | YLR446W |
| YBR188C | YKR034W |  | YDR292C | YMR163C |  | YGR119C | YJL041W |  | YLR212C | YNL126W |
| YBR188C | YLR117C |  | YDR296W | YER125W |  | YGR119C | YKL061W |  | YLR215C | YLR386W |
| YBR188C | YMR124W |  | YDR296W | YLR386W |  | YGR119C | YLR423C |  | YLR215C | YNL116W |
| YBR190W | YLR117C |  | YDR296W | YPL049C |  | YGR119C | YMR236W |  | YLR219W | YPL004C |
| YBR193C | YER022W |  | YDR299W | YER127W |  | YGR120C | YGR120C |  | YLR222C | YNR041C |
| YBR193C | YGL127C |  | YDR300C | YDR300C |  | YGR120C | YHL004W |  | YLR223C | YLR455W |
| YBR193C | YGR104C |  | YDR308C | YGL127C |  | YGR120C | YIL144W |  | YLR223C | YOR247W |
| YBR193C | YLR295C |  | YDR308C | YML051W |  | YGR120C | YLR291C |  | YLR227C | YOR284W |
| YBR194W | YMR070W |  | YDR308C | YOL135C |  | YGR120C | YLR423C |  | YLR238W | YPR110C |
| YBR194W | YPR152C |  | YDR308C | YOR174W |  | YGR120C | YMR025W |  | YLR243W | YOR258W |
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| YBR195C | YPR018W |  | YDR311W | YKL028W |  | YGR120C | YNR025C |  | YLR245C | YLR245C |
| YBR196C | YGL229C |  | YDR311W | YKL103C |  | YGR120C | YOR158W |  | YLR245C | YLR291C |
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| YBR205W | YIR038C |  | YDR311W | YOL082W |  | YGR120C | YPR185W |  | YLR245C | YPL070W |
| YBR205W | YPR107C |  | YDR312W | YPR143W |  | YGR120C | YPR191W |  | YLR254C | YOR269W |
| YBR212W | YDL167C |  | YDR313C | YPL133C |  | YGR121C | YIR038C |  | YLR257W | YLR345W |
| YBR212W | YPL184C |  | YDR314C | YML011C |  | YGR122W | YLR025W |  | YLR258W | YLR258W |
| YBR216C | YML007W |  | YDR315C | YJR117W |  | YGR122W | YML099C |  | YLR258W | YLR291C |
| YBR217W | YHR171W |  | YDR315C | YLR264W |  | YGR123C | YKL117W |  | YLR258W | YPL031C |
| YBR217W | YLR423C |  | YDR315C | YLR323C |  | YGR125W | YMR024W |  | YLR262C | YNL041C |
| YBR217W | YMR159C |  | YDR315C | YOR078W |  | YGR130C | YGR233C |  | YLR262C | YOR370C |
| YBR217W | YPL149W |  | YDR318W | YNL189W |  | YGR130C | YPL094C |  | YLR264W | YOL149W |
| YBR221C | YKL117W |  | YDR320CA | YKR083C |  | YGR134W | YJR011C |  | YLR268W | YPL094C |
| YBR221C | YLR345W |  | YDR321W | YDR321W |  | YGR136W | YNL189W |  | YLR273C | YNR034W |
| YBR222C | YDL006W |  | YDR323C | YGL095C |  | YGR136W | YOR181W |  | YLR275W | YPR182W |
| YBR223C | YDR510W |  | YDR326C | YER007CA |  | YGR142W | YJR127C |  | YLR284C | YOR180C |
| YBR228W | YLR135W |  | YDR326C | YIL105C |  | YGR142W | YLR424W |  | YLR288C | YMR159C |
| YBR233W | YBR233W |  | YDR328C | YFL009W |  | YGR142W | YMR021C |  | YLR288C | YOR368W |
| YBR233W | YBR261C |  | YDR328C | YIL046W |  | YGR144W | YGR144W |  | YLR291C | YLR291C |
| YBR233W | YDR116C |  | YDR328C | YLR267W |  | YGR144W | YIL051C |  | YLR291C | YLR321C |
| YBR233W | YDR473C |  | YDR328C | YLR352W |  | YGR144W | YLR291C |  | YLR291C | YLR377C |
| YBR233W | YGL122C |  | YDR328C | YLR368W |  | YGR144W | YNL189W |  | YLR291C | YLR386W |
| YBR233W | YIL079C |  | YDR328C | YLR429W |  | YGR146C | YML051W |  | YLR291C | YLR423C |
| YBR233W | YKL074C |  | YDR328C | YML088W |  | YGR149W | YNL181W |  | YLR291C | YLR438CA |
| YBR233W | YLR291C |  | YDR328C | YMR258C |  | YGR158C | YLR345W |  | YLR291C | YML042W |
| YBR233W | YMR294WA |  | YDR330W | YDR510W |  | YGR161CC | YKL057C |  | YLR291C | YML099C |
| YBR233W | YNL075W |  | YDR330W | YGR268C |  | YGR163W | YKR007W |  | YLR291C | YML106W |
| YBR233W | YNL288W |  | YDR330W | YKR094C |  | YGR172C | YNL263C |  | YLR291C | YMR004W |
| YBR234C | YDL029W |  | YDR330W | YOL133W |  | YGR172C | YPL095C |  | YLR291C | YMR032W |
| YBR234C | YDR063W |  | YDR335W | YLR293C |  | YGR177C | YML011C |  | YLR291C | YMR095C |
| YBR237W | YDR073W |  | YDR348C | YMR295C |  | YGR177C | YMR071C |  | YLR291C | YNL025C |

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| YBR239C | YPL133C |  | YDR353W | YGR099W |  | YGR177C | YNL044W |  | YLR291C | YNL044W |
| YBR241C | YDR479C |  | YDR353W | YGR209C |  | YGR177C | YNL263C |  | YLR291C | YNL229C |
| YBR241C | YIR033W |  | YDR353W | YHR106W |  | YGR178C | YGR218W |  | YLR291C | YNL307C |
| YBR241C | YIR038C |  | YDR357C | YGL079W |  | YGR178C | YHR121W |  | YLR291C | YNL314W |
| YBR242W | YBR242W |  | YDR357C | YLR423C |  | YGR178C | YNR014W |  | YLR291C | YNL333W |
| YBR243C | YIR038C |  | YDR357C | YPR182W |  | YGR179C | YLR315W |  | YLR291C | YNR012W |
| YBR244W | YCR086W |  | YDR361C | YER086W |  | YGR180C | YOR229W |  | YLR291C | YOL083W |
| YBR244W | YLR117C |  | YDR361C | YGL068W |  | YGR180C | YOR230W |  | YLR291C | YOL130W |
| YBR244W | YLR345W |  | YDR361C | YHR022C |  | YGR185C | YPL013C |  | YLR291C | YOL143C |
| YBR246W | YDR520C |  | YDR361C | YJR056C |  | YGR188C | YOR026W |  | YLR291C | YOR042W |
| YBR247C | YKL159C |  | YDR361C | YMR021C |  | YGR192C | YNL189W |  | YLR291C | YOR095C |
| YBR249C | YDR510W |  | YDR361C | YPL125W |  | YGR195W | YKR034W |  | YLR291C | YOR111W |
| YBR252W | YBR252W |  | YDR361C | YPL208W |  | YGR195W | YOL021C |  | YLR291C | YOR192CA |
| YBR252W | YLR291C |  | YDR363WA | YJR084W |  | YGR203W | YIL119C |  | YLR291C | YOR232W |
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| YBR253W | YMR112C |  | YDR366C | YER071C |  | YGR203W | YLR397C |  | YLR291C | YOR380W |
| YBR254C | YDR472W |  | YDR373W | YGL153W |  | YGR203W | YNL314W |  | YLR291C | YPL049C |
| YBR254C | YKR068C |  | YDR373W | YNL267W |  | YGR205W | YMR315W |  | YLR291C | YPL069C |
| YBR255W | YIL106W |  | YDR374C | YLR423C |  | YGR209C | YKL069W |  | YLR291C | YPL070W |
| YBR260C | YDR239C |  | YDR374C | YNR052C |  | YGR211W | YOR117W |  | YLR291C | YPL088W |
| YBR260C | YER144C |  | YDR376W | YIR024C |  | YGR213C | YHR134W |  | YLR291C | YPL124W |
| YBR260C | YGR196C |  | YDR378C | YER146W |  | YGR218W | YKL143W |  | YLR291C | YPR062W |
| YBR260C | YMR032W |  | YDR378C | YLR438CA |  | YGR218W | YML007W |  | YLR291C | YPR105C |
| YBR260C | YNL094W |  | YDR383C | YLR315W |  | YGR218W | YMR047C |  | YLR293C | YMR308C |
| YBR261C | YCL028W |  | YDR383C | YML051W |  | YGR218W | YMR124W |  | YLR293C | YOR160W |
| YBR261C | YCR007C |  | YDR383C | YNL189W |  | YGR218W | YOL149W |  | YLR293C | YPL125W |
| YBR261C | YDR032C |  | YDR386W | YNL024C |  | YGR223C | YOR089C |  | YLR294C | YOR348C |
| YBR261C | YDR100W |  | YDR386W | YPR119W |  | YGR229C | YKR099W |  | YLR295C | YOL050C |
| YBR261C | YDR256C |  | YDR388W | YGL060W |  | YGR233C | YJL025W |  | YLR303W | YNL189W |
| YBR261C | YER086W |  | YDR388W | YGL090W |  | YGR233C | YML014W |  | YLR305C | YOR047C |
| YBR261C | YFL059W |  | YDR388W | YGL181W |  | YGR233C | YOL145C |  | YLR305C | YOR355W |
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| YBR261C | YGR088W |  | YDR388W | YOR181W |  | YGR233C | YPR049C |  | YLR315W | YPR105C |
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| YBR261C | YHR074W |  | YDR394W | YGR232W |  | YGR240C | YGR240C |  | YLR321C | YPL070W |
| YBR261C | YHR111W |  | YDR394W | YOR117W |  | YGR240C | YMR205C |  | YLR324W | YLR324W |
| YBR261C | YHR112C |  | YDR397C | YDR397C |  | YGR241C | YIL095W |  | YLR324W | YMR153W |
| YBR261C | YHR113W |  | YDR397C | YER159C |  | YGR241C | YLL017W |  | YLR324W | YPR028W |
| YBR261C | YIL074C |  | YDR398W | YMR093W |  | YGR241C | YNL020C |  | YLR328W | YLR328W |
| YBR261C | YJL151C |  | YDR399W | YDR399W |  | YGR241C | YPL077C |  | YLR328W | YLR438W |
| YBR261C | YJL199C |  | YDR408C | YGL127C |  | YGR247W | YKR034W |  | YLR328W | YML064C |
| YBR261C | YJL218W |  | YDR408C | YOR174W |  | YGR247W | YOR327C |  | YLR328W | YNL189W |
| YBR261C | YKL151C |  | YDR411C | YDR479C |  | YGR250C | YIR001C |  | YLR330W | YOR299W |
| YBR261C | YLL001W |  | YDR411C | YJL019W |  | YGR250C | YPL178W |  | YLR333C | YPL004C |
| YBR261C | YLR098C |  | YDR411C | YML029W |  | YGR253C | YPR185W |  | YLR345W | YLR345W |
| YBR261C | YLR245C |  | YDR412W | YPR119W |  | YGR261C | YLR423C |  | YLR347C | YLR377C |
| YBR261C | YLR438CA |  | YDR416W | YGR129W |  | YGR261C | YNL199C |  | YLR347C | YPL124W |
| YBR261C | YML042W |  | YDR416W | YGR195W |  | YGR261C | YOR284W |  | YLR359W | YLR359W |
| YBR261C | YMR021C |  | YDR416W | YHL004W |  | YGR261C | YOR380W |  | YLR376C | YMR168C |
| YBR261C | YMR095C |  | YDR416W | YHR184W |  | YGR263C | YMR070W |  | YLR377C | YLR377C |
| YBR261C | YNL044W |  | YDR416W | YJR050W |  | YGR267C | YGR267C |  | YLR377C | YML064C |
| YBR261C | YNL239W |  | YDR416W | YKL098W |  | YGR267C | YLR132C |  | YLR377C | YNL189W |

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| YBR261C | YOL143C |  | YDR418W | YDR465C |  | YGR267C | YLR291C |  | YLR385C | YLR424W |
| YBR261C | YOR095C |  | YDR422C | YHR114W |  | YGR267C | YMR308C |  | YLR385C | YOR174W |
| YBR261C | YOR108W |  | YDR423C | YEL051W |  | YGR267C | YNL189W |  | YLR386W | YLR386W |
| YBR261C | YOR192CA |  | YDR423C | YMR047C |  | YGR267C | YPL251W |  | YLR386W | YML092C |
| YBR261C | YOR284W |  | YDR424C | YDR488C |  | YGR268C | YGR268C |  | YLR386W | YNL041C |
| YBR261C | YPL049C |  | YDR425W | YGL161C |  | YGR268C | YHR016C |  | YLR386W | YPL268W |
| YBR261C | YPL069C |  | YDR425W | YGL198W |  | YGR268C | YLR206W |  | YLR389C | YNL229C |
| YBR261C | YPL088W |  | YDR425W | YJL036W |  | YGR268C | YOR042W |  | YLR399C | YMR227C |
| YBR261C | YPR113W |  | YDR425W | YJR110W |  | YGR268C | YOR124C |  | YLR403W | YOR025W |
| YBR264C | YOR370C |  | YDR428C | YLR291C |  | YGR268C | YOR138C |  | YLR404W | YOR301W |
| YBR270C | YDR259C |  | YDR429C | YFL017C |  | YGR268C | YPL049C |  | YLR405W | YPL108W |
| YBR270C | YER093C |  | YDR429C | YMR146C |  | YGR286C | YMR070W |  | YLR417W | YMR077C |
| YBR270C | YIL105C |  | YDR429C | YOR361C |  | YGR294W | YHL018W |  | YLR417W | YPL002C |
| YBR270C | YKR026C |  | YDR429C | YPL105C |  | YHL002W | YNR005C |  | YLR423C | YLR423C |
| YBR270C | YLR423C |  | YDR431W | YPL094C |  | YHL002W | YNR006W |  | YLR423C | YLR424W |
| YBR270C | YMR236W |  | YDR434W | YIR033W |  | YHL003C | YJL183W |  | YLR423C | YLR439W |
| YBR270C | YNL047C |  | YDR441C | YML022W |  | YHL003C | YKL008C |  | YLR423C | YML041C |
| YBR270C | YPL124W |  | YDR446W | YDR510W |  | YHL003C | YMR298W |  | YLR423C | YML043C |
| YBR270C | YPL255W |  | YDR448W | YER018C |  | YHL003C | YOR223W |  | YLR423C | YML062C |
| YBR273C | YDL190C |  | YDR448W | YGR142W |  | YHL003C | YPL094C |  | YLR423C | YML064C |
| YBR273C | YDR411C |  | YDR448W | YGR195W |  | YHL004W | YJL112W |  | YLR423C | YMR059W |
| YBR274W | YLR258W |  | YDR448W | YGR252W |  | YHL004W | YLR423C |  | YLR423C | YMR124W |
| YBR274W | YMR255W |  | YDR448W | YGR261C |  | YHL004W | YOR284W |  | YLR423C | YMR213W |
| YBR276C | YER081W |  | YDR448W | YHL004W |  | YHL004W | YPL255W |  | YLR423C | YNL182C |
| YBR278W | YDR121W |  | YDR448W | YHR022C |  | YHL006C | YLR046C |  | YLR423C | YNL288W |
| YBR279W | YOR123C |  | YDR448W | YJL011C |  | YHL006C | YLR376C |  | YLR423C | YOL034W |
| YBR281C | YDL153C |  | YDR448W | YJL058C |  | YHL006C | YNL021W |  | YLR423C | YOR117W |
| YBR281C | YNL287W |  | YDR448W | YJR003C |  | YHL009C | YLR291C |  | YLR423C | YOR158W |
| YBR284W | YDL238C |  | YDR448W | YLR424W |  | YHL009C | YMR314W |  | YLR423C | YOR226C |
| YBR284W | YML035C |  | YDR448W | YML041C |  | YHL009C | YNL189W |  | YLR423C | YOR353C |
| YBR288C | YGR261C |  | YDR448W | YMR314W |  | YHL011C | YKL181W |  | YLR423C | YPL077C |
| YBR289W | YPL129W |  | YDR448W | YPL077C |  | YHL012W | YML051W |  | YLR423C | YPL159C |
| YCL010C | YDR176W |  | YDR448W | YPL122C |  | YHL018W | YHL018W |  | YLR423C | YPL173W |
| YCL019W | YDR261WA |  | YDR448W | YPL135W |  | YHL018W | YLR291C |  | YLR423C | YPL268W |
| YCL019W | YDR261WB |  | YDR448W | YPR173C |  | YHL018W | YMR111C |  | YLR424W | YMR316CB |
| YCL020W | YDR261WA |  | YDR453C | YIL039W |  | YHL018W | YNL113W |  | YLR424W | YOR158W |
| YCL020W | YDR510W |  | YDR453C | YML028W |  | YHL018W | YNL189W |  | YLR432W | YLR432W |
| YCL020W | YFL002WA |  | YDR453C | YNL189W |  | YHL018W | YNL288W |  | YLR432W | YML056C |
| YCL021WA | YPL094C |  | YDR455C | YLR295C |  | YHL018W | YOL054W |  | YLR433C | YNL047C |
| YCL024W | YKR048C |  | YDR460W | YPR025C |  | YHL018W | YPL070W |  | YLR438CA | YLR438CA |
| YCL028W | YCL028W |  | YDR465C | YEL054C |  | YHL019C | YKL135C |  | YLR438CA | YNL147W |
| YCL028W | YCR060W |  | YDR469W | YHR060W |  | YHL019C | YPR029C |  | YLR438CA | YOR159C |
| YCL028W | YGR142W |  | YDR469W | YLR015W |  | YHL025W | YLR438W |  | YLR440C | YNL258C |
| YCL028W | YHR034C |  | YDR469W | YLR432W |  | YHL027W | YJL056C |  | YLR447C | YOR028C |
| YCL028W | YKL040C |  | YDR472W | YKR068C |  | YHL031C | YPL094C |  | YLR447C | YOR047C |
| YCL028W | YLR291C |  | YDR473C | YLR423C |  | YHL033C | YML029W |  | YLR447C | YOR332W |
| YCL028W | YML051W |  | YDR473C | YNL229C |  | YHL039W | YMR111C |  | YLR453C | YNL216W |
| YCL028W | YNL189W |  | YDR473C | YPL004C |  | YHL042W | YOR127W |  | YLR465C | YML035C |
| YCL028W | YNL288W |  | YDR473C | YPR178W |  | YHL046C | YOR355W |  | YML007W | YMR047C |
| YCL028W | YOL111C |  | YDR476C | YDR479C |  | YHR005C | YOR212W |  | YML008C | YML008C |
| YCL028W | YOL123W |  | YDR476C | YHR211W |  | YHR009C | YOR359W |  | YML008C | YOR097C |
| YCL028W | YOR007C |  | YDR476C | YIR038C |  | YHR014W | YHR185C |  | YML015C | YML098W |
| YCL028W | YPL070W |  | YDR476C | YJL019W |  | YHR016C | YLR243W |  | YML015C | YMR077C |

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| YCL029C | YER016W |  | YDR477W | YER027C |  | YHR016C | YMR255W |  | YML028W | YML028W |
| YCL032W | YDR032C |  | YDR477W | YGL115W |  | YHR022C | YOR032C |  | YML028W | YNL189W |
| YCL032W | YLR362W |  | YDR477W | YGL208W |  | YHR025W | YHR025W |  | YML028W | YOR101W |
| YCL032W | YLR423C |  | YDR479C | YEL042W |  | YHR025W | YML064C |  | YML029W | YML029W |
| YCL033C | YKL103C |  | YDR479C | YER087CA |  | YHR025W | YNL189W |  | YML029W | YNL219C |
| YCL033C | YOL082W |  | YDR479C | YGL053W |  | YHR026W | YIR038C |  | YML029W | YOR288C |
| YCL039W | YMR135C |  | YDR479C | YGL065C |  | YHR026W | YJR091C |  | YML029W | YPR113W |
| YCL040W | YCL040W |  | YDR479C | YGL104C |  | YHR030C | YPL140C |  | YML031W | YMR153W |
| YCL040W | YDR516C |  | YDR479C | YGR149W |  | YHR035W | YPR119W |  | YML035C | YML035C |
| YCL040W | YML099C |  | YDR479C | YGR284C |  | YHR036W | YJL183W |  | YML035C | YPL070W |
| YCL040W | YNL189W |  | YDR479C | YHL031C |  | YHR057C | YJR091C |  | YML037C | YNL092W |
| YCL046W | YGL115W |  | YDR479C | YJL097W |  | YHR060W | YLR447C |  | YML042W | YML042W |
| MEL1 | YJL092W |  | YDR479C | YJL117W |  | YHR060W | YPL019C |  | YML042W | YNL189W |
| Q0085 | YCR106W |  | YDR479C | YJL134W |  | YHR060W | YPR105C |  | YML042W | YPL070W |
| TORF1 | YCR106W |  | YDR479C | YJL183W |  | YHR066W | YPR143W |  | YML043C | YNL199C |
| TORF19 | YDR361C |  | YDR479C | YLL014W |  | YHR068W | YHR068W |  | YML051W | YMR004W |
| TORF21 | YKR048C |  | YDR479C | YLR036C |  | YHR068W | YJR047C |  | YML051W | YMR223W |
| TORF47 | YCR106W |  | YDR479C | YLR268W |  | YHR068W | YPL070W |  | YML051W | YNR010W |
| YCL054W | YNL154C |  | YDR479C | YLR324W |  | YHR072WA | YNL124W |  | YML051W | YOL067C |
| YCL055W | YGL036W |  | YDR479C | YLR350W |  | YHR072WA | YPL208W |  | YML051W | YOL148C |
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| YCL059C | YOR229W |  | YDR479C | YOR377W |  | YHR102W | YOR353C |  | YML064C | YOR020C |
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| YCL066W | YDR480W |  | YDR479C | YPR113W |  | YHR107C | YJR076C |  | YML064C | YPL049C |
| YCL066W | YHR084W |  | YDR479C | YPR159CA |  | YHR111W | YHR111W |  | YML064C | YPL111W |
| YCL066W | YPL049C |  | YDR480W | YDR480W |  | YHR111W | YIL008W |  | YML071C | YNL041C |
| YCR004C | YDR032C |  | YDR480W | YGR040W |  | YHR111W | YLR291C |  | YML075C | YOR102W |
| YCR005C | YCR005C |  | YDR480W | YHR039C |  | YHR111W | YML110C |  | YML077W | YOR115C |
| YCR007C | YDL120W |  | YDR480W | YHR084W |  | YHR111W | YPL070W |  | YML079W | YML079W |
| YCR007C | YDL164C |  | YDR480W | YHR121W |  | YHR112C | YHR112C |  | YML095C | YPL022W |
| YCR007C | YKR066C |  | YDR480W | YJL058C |  | YHR112C | YLR291C |  | YML099C | YMR104C |
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| YCR007C | YPL020C |  | YDR480W | YKL189W |  | YHR113W | YHR113W |  | YML110C | YMR071C |
| YCR009C | YDR388W |  | YDR480W | YLR291C |  | YHR113W | YJL030W |  | YML110C | YNL263C |
| YCR009C | YER125W |  | YDR480W | YNL189W |  | YHR113W | YKL103C |  | YML121W | YML121W |
| YCR009C | YMR232W |  | YDR480W | YPL049C |  | YHR113W | YLR021W |  | YML125C | YMR153W |
| YCR011C | YNL154C |  | YDR482C | YGL028C |  | YHR113W | YLR291C |  | YMR001C | YOR192CA |
| YCR020C | YCR020C |  | YDR482C | YOR276W |  | YHR113W | YML064C |  | YMR001C | YPR174C |
| YCR020C | YLR291C |  | YDR486C | YLR181C |  | YHR113W | YMR308C |  | YMR004W | YMR004W |
| YCR020CA | YEL053C |  | YDR487C | YNL189W |  | YHR113W | YNL153C |  | YMR021C | YMR021C |
| YCR020CA | YIL119C |  | YDR488C | YHR129C |  | YHR113W | YNL189W |  | YMR021C | YOR111W |
| YCR020CA | YKL025C |  | YDR488C | YPL174C |  | YHR113W | YNL222W |  | YMR025W | YNR052C |
| YCR021C | YDR479C |  | YDR489W | YFR043C |  | YHR113W | YOL082W |  | YMR032W | YNL152W |
| YCR022C | YDL017W |  | YDR489W | YJL072C |  | YHR113W | YPL129W |  | YMR039C | YMR316CB |
| YCR023C | YMR075CA |  | YDR489W | YML034W |  | YHR113W | YPL201C |  | YMR047C | YNL078W |
| YCR024C | YNL243W |  | YDR489W | YPL077C |  | YHR114W | YIL132C |  | YMR047C | YOL149W |

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| YCR027C | YOL083W |  | YDR490C | YGR086C |  | YHR114W | YJL086C |  | YMR047C | YOR112W |
| YCR035C | YHR114W |  | YDR490C | YHR207C |  | YHR114W | YJL180C |  | YMR047C | YOR289W |
| YCR036W | YGL153W |  | YDR490C | YIR044C |  | YHR114W | YJL203W |  | YMR048W | YNL273W |
| YCR045C | YOR348C |  | YDR490C | YLR466W |  | YHR114W | YLR112W |  | YMR048W | YOR124C |
| YCR050C | YDL017W |  | YDR498C | YJL019W |  | YHR114W | YLR423C |  | YMR068W | YNL047C |
| YCR051W | YER184C |  | YDR502C | YDR502C |  | YHR114W | YNL092W |  | YMR070W | YOL109W |
| YCR052W | YFR037C |  | YDR502C | YLR180W |  | YHR114W | YNL094W |  | YMR071C | YNL315C |
| YCR052W | YOR232W |  | YDR502C | YPL125W |  | YHR114W | YOL018C |  | YMR071C | YPL020C |
| YCR057C | YGR154C |  | YDR503C | YKL130C |  | YHR114W | YOR059C |  | YMR077C | YPL002C |
| YCR059C | YDR400W |  | YDR504C | YJL070C |  | YHR115C | YLR215C |  | YMR077C | YPL065W |
| YCR059C | YJL160C |  | YDR505C | YGL122C |  | YHR115C | YOR215C |  | YMR079W | YPR113W |
| YCR060W | YHR034C |  | YDR510W | YDR510W |  | YHR121W | YPL049C |  | YMR087W | YMR087W |
| YCR060W | YKL117W |  | YDR510W | YER047C |  | YHR122W | YIL128W |  | YMR095C | YMR096W |
| YCR063W | YDR408C |  | YDR510W | YFL039C |  | YHR123W | YIR038C |  | YMR095C | YNL333W |
| YCR063W | YOL135C |  | YDR510W | YFL045C |  | YHR123W | YPL094C |  | YMR095C | YNL334C |
| YCR063W | YPR152C |  | YDR510W | YGL026C |  | YHR128W | YNR012W |  | YMR095C | YPL070W |
| YCR065W | YML051W |  | YDR510W | YGL250W |  | YHR128W | YPR185W |  | YMR096W | YMR096W |
| YCR066W | YGL058W |  | YDR510W | YHR134W |  | YHR129C | YHR129C |  | YMR096W | YMR322C |
| YCR066W | YOR128C |  | YDR510W | YHR193C |  | YHR129C | YJR008W |  | YMR096W | YNL333W |
| YCR067C | YOR128C |  | YDR510W | YJL092W |  | YHR129C | YMR294W |  | YMR096W | YNL334C |
| YCR068W | YIR033W |  | YDR510W | YJR076C |  | YHR129C | YPL070W |  | YMR102C | YNL218W |
| YCR068W | YIR038C |  | YDR510W | YKL032C |  | YHR129C | YPL174C |  | YMR111C | YMR111C |
| YCR068W | YNL111C |  | YDR510W | YKL043W |  | YHR130C | YJR091C |  | YMR117C | YOL034W |
| YCR073C | YGR142W |  | YDR510W | YKL211C |  | YHR134W | YMR095C |  | YMR121C | YMR139W |
| YCR073C | YLR006C |  | YDR510W | YLR263W |  | YHR137W | YHR137W |  | YMR125W | YPL178W |
| YCR076C | YNL189W |  | YDR510W | YLR295C |  | YHR140W | YIR038C |  | YMR129W | YMR153W |
| YCR077C | YDL139C |  | YDR510W | YLR328W |  | YHR156C | YJR010W |  | YMR133W | YPL114W |
| YCR077C | YDL175C |  | YDR510W | YLR335W |  | YHR158C | YJR122W |  | YMR139W | YNL078W |
| YCR077C | YJL124C |  | YDR510W | YLR350W |  | YHR158C | YLR452C |  | YMR139W | YOL059W |
| YCR082W | YER022W |  | YDR510W | YML023C |  | YHR158C | YMR181C |  | YMR146C | YPL105C |
| YCR082W | YOR023C |  | YDR510W | YMR111C |  | YHR158C | YOR047C |  | YMR153W | YMR153W |
| YCR083W | YCR086W |  | YDR510W | YMR219W |  | YHR160C | YIL160C |  | YMR159C | YMR159C |
| YCR083W | YDR448W |  | YDR510W | YMR233W |  | YHR161C | YIL095W |  | YMR159C | YPL149W |
| YCR086W | YCR086W |  | YDR510W | YNL021W |  | YHR161C | YIL122W |  | YMR170C | YMR170C |
| YCR086W | YDL089W |  | YDR510W | YNL042W |  | YHR161C | YPL077C |  | YMR180C | YNL154C |
| YCR086W | YDR061W |  | YDR510W | YNL078W |  | YHR166C | YLR451W |  | YMR181C | YPR105C |
| YCR086W | YDR439W |  | YDR510W | YNL088W |  | YHR166C | YPL124W |  | YMR193W | YPR086W |
| YCR086W | YER086W |  | YDR510W | YNL189W |  | YHR167W | YJL011C |  | YMR224C | YNL023C |
| YCR086W | YER106W |  | YDR510W | YOL034W |  | YHR167W | YLR423C |  | YMR226C | YNL189W |
| YCR086W | YER144C |  | YDR510W | YOR032C |  | YHR167W | YML062C |  | YMR228W | YOR348C |
| YCR086W | YGL175C |  | YDR510W | YOR144C |  | YHR167W | YNL041C |  | YMR233W | YOL006C |
| YCR086W | YGR155W |  | YDR510W | YPL129W |  | YHR169W | YKL075C |  | YMR236W | YOR128C |
| YCR086W | YIL152W |  | YDR518W | YHR113W |  | YHR171W | YLL042C |  | YMR239C | YNL189W |
| YCR086W | YJL110C |  | YDR520C | YDR520C |  | YHR171W | YNR007C |  | YMR267W | YNL154C |
| YCR086W | YKR010C |  | YDR520C | YGR261C |  | YHR184W | YHR184W |  | YMR280C | YOR047C |
| YCR086W | YKR034W |  | YDR520C | YJL110C |  | YHR185C | YIL007C |  | YMR288W | YNL286W |
| YCR086W | YKR068C |  | YDR520C | YJR046W |  | YHR185C | YMR016C |  | YMR289W | YOL083W |
| YCR086W | YLR291C |  | YDR520C | YKR034W |  | YHR185C | YPL204W |  | YMR294W | YOL069W |
| YCR086W | YNL311C |  | YDR520C | YLR291C |  | YHR187W | YMR312W |  | YMR294W | YPL174C |
| YCR086W | YOL020W |  | YDR520C | YOL116W |  | YHR193C | YLR146C |  | YMR294W | YPR083W |
| YCR086W | YOR264W |  | YDR527W | YOR210W |  | YHR193C | YPL037C |  | YMR298W | YPL094C |
| YCR086W | YOR281C |  | YDR529C | YHR114W |  | YHR197W | YLR423C |  | YMR300C | YMR300C |
| YCR087CA | YKR092C |  | YDR531W | YDR531W |  | YHR211W | YIR038C |  | YMR308C | YOR185C |

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| YCR088W | YOR284W |  | YDR532C | YFR008W |  | YHR211W | YPL094C |  | YMR308C | YOR380W |
| YCR093W | YDR376W |  | YDR532C | YIL144W |  | YHR216W | YNL189W |  | YMR308C | YPL088W |
| YCR095C | YNL099C |  | YDR532C | YLR031W |  | YIL001W | YOL133W |  | YMR309C | YNL047C |
| YCR105W | YCR105W |  | YDR533C | YNL189W |  | YIL007C | YOR117W |  | YMR309C | YNL244C |
| YCR106W | YDR222W |  | YDR541C | YLR025W |  | YIL011W | YMR201C |  | YMR309C | YOR284W |
| YCR106W | YEL072W |  | YEL005C | YGL079W |  | YIL018W | YPL004C |  | YMR314W | YNL199C |
| YCR106W | YGL247W |  | YEL005C | YNL086W |  | YIL026C | YPR068C |  | YMR314W | YNL229C |
| YCR106W | YGR081C |  | YEL009C | YHR145C |  | YIL033C | YIL033C |  | YMR314W | YOR380W |
| YCR106W | YGR140W |  | YEL009C | YPL038W |  | YIL033C | YJL164C |  | YMR314W | YPR135W |
| YCR106W | YHR130C |  | YEL012W | YLR291C |  | YIL033C | YKL166C |  | YMR316CB | YPR149W |
| YCR106W | YJL006C |  | YEL013W | YJR091C |  | YIL033C | YPL149W |  | YMR317W | YOL108C |
| YCR106W | YJL077WB |  | YEL015W | YEL015W |  | YIL033C | YPL203W |  | YMR322C | YMR322C |
| YCR106W | YJL135W |  | YEL015W | YER105C |  | YIL039W | YIR038C |  | YMR322C | YNL333W |
| YCR106W | YMR060C |  | YEL015W | YLR264W |  | YIL045W | YOR178C |  | YMR322C | YOR391C |
| YCR106W | YMR141C |  | YEL015W | YNL118C |  | YIL046W | YJR130C |  | YMR322C | YPL280W |
| YCR106W | YNL171C |  | YEL015W | YOL149W |  | YIL046W | YML082W |  | YNL007C | YPR158W |
| YCR106W | YPL034W |  | YEL015W | YOR167C |  | YIL050W | YLR190W |  | YNL021W | YNL021W |
| YCR106W | YPL243W |  | YEL017W | YEL017W |  | YIL050W | YPL031C |  | YNL025C | YNL094W |
| YCR106W | YPL267W |  | YEL018W | YOR128C |  | YIL053W | YPL201C |  | YNL025C | YPL031C |
| YCR106W | YPR046W |  | YEL020C | YEL020C |  | YIL062C | YKL013C |  | YNL032W | YNL056W |
| YDL001W | YDL133W |  | YEL029C | YNR027W |  | YIL065C | YJL112W |  | YNL032W | YNL093W |
| YDL001W | YMR079W |  | YEL032W | YHR033W |  | YIL065C | YJR091C |  | YNL032W | YNL099C |
| YDL002C | YER092W |  | YEL034W | YHR068W |  | YIL065C | YLR321C |  | YNL037C | YOR136W |
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| YDL002C | YLR052W |  | YEL042W | YIR038C |  | YIL074C | YIL074C |  | YNL041C | YNR011C |
| YDL005C | YHR167W |  | YEL042W | YPL094C |  | YIL074C | YLR291C |  | YNL041C | YOR304CA |
| YDL005C | YML051W |  | YEL043W | YOR164C |  | YIL074C | YNL311C |  | YNL042W | YOR014W |
| YDL006W | YDR162C |  | YEL048C | YGR040W |  | YIL075C | YLR421C |  | YNL044W | YNL044W |
| YDL011C | YEL023C |  | YEL048C | YMR218C |  | YIL079C | YLR423C |  | YNL044W | YNL189W |
| YDL012C | YDR151C |  | YEL051W | YGR120C |  | YIL084C | YLR423C |  | YNL044W | YNL263C |
| YDL012C | YFR047C |  | YEL051W | YOR174W |  | YIL085C | YJL019W |  | YNL044W | YNL315C |
| YDL012C | YHR032W |  | YEL053C | YOR032C |  | YIL092W | YLR423C |  | YNL044W | YPL070W |
| YDL012C | YHR140W |  | YEL053C | YPR051W |  | YIL095W | YLR206W |  | YNL047C | YPL059W |
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| YDL012C | YJL065C |  | YEL056W | YPL001W |  | YIL104C | YNL124W |  | YNL056W | YNL099C |
| YDL012C | YOR355W |  | YEL060C | YML032CA |  | YIL105C | YIL105C |  | YNL078W | YOL070C |
| YDL013W | YDR510W |  | YEL062W | YOR138C |  | YIL105C | YKL130C |  | YNL086W | YOL069W |
| YDL013W | YER116C |  | YEL062W | YPL255W |  | YIL105C | YLR423C |  | YNL086W | YOL130W |
| YDL013W | YJR091C |  | YEL066W | YEL066W |  | YIL105C | YMR068W |  | YNL086W | YOR174W |
| YDL013W | YMR111C |  | YEL066W | YML064C |  | YIL105C | YNL047C |  | YNL086W | YPR185W |
| YDL015C | YIR038C |  | YEL066W | YNL189W |  | YIL105C | YPL059W |  | YNL091W | YNL164C |
| YDL015C | YOR324C |  | YER009W | YER009W |  | YIL105WA | YPL049C |  | YNL091W | YNL288W |
| YDL017W | YDL160C |  | YER010C | YER010C |  | YIL106W | YNL161W |  | YNL091W | YOR355W |
| YDL017W | YEL023C |  | YER015W | YER070W |  | YIL109C | YKL068W |  | YNL091W | YPL229W |
| YDL017W | YFR057W |  | YER015W | YLR098C |  | YIL109C | YKL103C |  | YNL092W | YOR329C |
| YDL017W | YGR099W |  | YER016W | YGL061C |  | YIL109C | YLR245C |  | YNL093W | YOR370C |
| YDL017W | YJL088W |  | YER018C | YKL025C |  | YIL109C | YMR124W |  | YNL094W | YOR043W |
| YDL017W | YKL039W |  | YER018C | YMR117C |  | YIL109C | YOL130W |  | YNL098C | YPL088W |
| YDL017W | YNR048W |  | YER019W | YLR350W |  | YIL109C | YPR181C |  | YNL102W | YPR135W |
| YDL017W | YOR006C |  | YER021W | YPR108W |  | YIL119C | YNL107W |  | YNL104C | YNL104C |
| YDL022W | YDR142C |  | YER022W | YHR058C |  | YIL122W | YIL122W |  | YNL104C | YOR108W |
| YDL025C | YPL260W |  | YER022W | YKL117W |  | YIL122W | YJL030W |  | YNL111C | YNL111C |
| YDL030W | YDR026C |  | YER022W | YML007W |  | YIL122W | YPL031C |  | YNL113W | YPR110C |

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| YDL031W | YPL004C |  | YER022W | YNL288W |  | YIL124W | YIR038C |  | YNL118C | YOL149W |
| YDL044C | YLR386W |  | YER023W | YER023W |  | YIL132C | YLR321C |  | YNL124W | YNL124W |
| YDL045C | YGR077C |  | YER023W | YLR291C |  | YIL132C | YLR322W |  | YNL135C | YPL049C |
| YDL053C | YGR178C |  | YER023W | YPL169C |  | YIL132C | YLR376C |  | YNL135C | YPR093C |
| YDL055C | YDR510W |  | YER025W | YJR007W |  | YIL144W | YLR423C |  | YNL135C | YPR119W |
| YDL056W | YMR197C |  | YER025W | YLR215C |  | YIL144W | YOL069W |  | YNL154C | YOR355W |
| YDL057W | YJL058C |  | YER026C | YPR174C |  | YIL144W | YOR174W |  | YNL159C | YNL159C |
| YDL057W | YLR098C |  | YER027C | YGL115W |  | YIL144W | YPL174C |  | YNL189W | YNL331C |
| YDL057W | YPL049C |  | YER038C | YML023C |  | YIL144W | YPL260W |  | YNL189W | YOL058W |
| YDL063C | YDR381W |  | YER039C | YGL070C |  | YIL151C | YLR121C |  | YNL189W | YOL082W |
| YDL063C | YPL131W |  | YER043C | YFL028C |  | YIL152W | YJL112W |  | YNL189W | YOR020C |
| YDL064W | YDR510W |  | YER047C | YGR086C |  | YIL152W | YLR423C |  | YNL189W | YOR095C |
| YDL065C | YGR119C |  | YER047C | YKL032C |  | YIL153W | YLL001W |  | YNL189W | YOR155C |
| YDL065C | YGR218W |  | YER047C | YOL034W |  | YIL153W | YLR258W |  | YNL189W | YOR229W |
| YDL065C | YLR071C |  | YER052C | YER052C |  | YIL153W | YLR423C |  | YNL189W | YOR284W |
| YDL065C | YMR047C |  | YER052C | YJL058C |  | YIL153W | YNL021W |  | YNL189W | YOR380W |
| YDL065C | YMR163C |  | YER052C | YNL135C |  | YIL153W | YNL229C |  | YNL189W | YPL049C |
| YDL066W | YGL187C |  | YER056CA | YGL153W |  | YIL153W | YNL314W |  | YNL189W | YPL088W |
| YDL070W | YLR227C |  | YER056CA | YML042W |  | YIL163C | YPL161C |  | YNL189W | YPL111W |
| YDL070W | YLR399C |  | YER059W | YJL084C |  | YIR015W | YLR345W |  | YNL189W | YPL214C |
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| YDL071C | YNL155W |  | YER079W | YNL154C |  | YIR033W | YML055W |  | YNL218W | YNL218W |
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| YDL073W | YER118C |  | YER081W | YIL074C |  | YIR033W | YNL219C |  | YNL225C | YOR129C |
| YDL076C | YLR098C |  | YER081W | YMR047C |  | YIR033W | YNL263C |  | YNL228W | YNL228W |
| YDL081C | YGR209C |  | YER081W | YNL054WB |  | YIR033W | YNR030W |  | YNL229C | YNL229C |
| YDL081C | YLR340W |  | YER081W | YOR318C |  | YIR033W | YOL126C |  | YNL229C | YOL034W |
| YDL081C | YPR086W |  | YER081W | YPL233W |  | YIR033W | YPL053C |  | YNL229C | YPL070W |
| YDL084W | YDL084W |  | YER081W | YPR126C |  | YIR033W | YPR159CA |  | YNL236W | YOR355W |
| YDL084W | YDR510W |  | YER081W | YPR136C |  | YIR033W | YPR174C |  | YNL243W | YPL266W |
| YDL084W | YER063W |  | YER086W | YER086W |  | YIR034C | YOR138C |  | YNL249C | YNL249C |
| YDL084W | YGL122C |  | YER086W | YLR291C |  | YIR035C | YIR035C |  | YNL249C | YPL125W |
| YDL084W | YKL214C |  | YER086W | YMR308C |  | YIR035C | YLR291C |  | YNL251C | YPL190C |
| YDL088C | YML031W |  | YER086W | YOR160W |  | YIR036C | YIR036C |  | YNL263C | YPR028W |
| YDL088C | YMR153W |  | YER086W | YPL070W |  | YIR037W | YLR216C |  | YNL277W | YNL277W |
| YDL089W | YDL089W |  | YER087CA | YIR033W |  | YIR037W | YLR345W |  | YNL279W | YOL108C |
| YDL089W | YDR233C |  | YER087CA | YIR038C |  | YIR038C | YIR038C |  | YNL286W | YOR284W |
| YDL089W | YLR324W |  | YER087CA | YLR404W |  | YIR038C | YJL097W |  | YNL288W | YNR052C |
| YDL089W | YML008C |  | YER090W | YJR070C |  | YIR038C | YJL117W |  | YNL288W | YOR095C |
| YDL089W | YMR316CB |  | YER090W | YKL211C |  | YIR038C | YJL183W |  | YNL288W | YOR284W |
| YDL089W | YPR028W |  | YER092W | YLR052W |  | YIR038C | YJR010CA |  | YNL290W | YOL094C |
| YDL090C | YKL019W |  | YER092W | YLR423C |  | YIR038C | YJR073C |  | YNL314W | YNL314W |
| YDL090C | YKR048C |  | YER095W | YER095W |  | YIR038C | YJR075W |  | YNL314W | YOR304CA |
| YDL090C | YMR139W |  | YER095W | YPL204W |  | YIR038C | YJR118C |  | YNL316C | YOL082W |
| YDL092W | YKL122C |  | YER096W | YHR114W |  | YIR038C | YKL008C |  | YNL331C | YNL331C |
| YDL097C | YEL009C |  | YER099C | YKL181W |  | YIR038C | YLL014W |  | YNL333W | YNL333W |
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| YDL100C | YDL121C |  | YER099C | YOL069W |  | YIR038C | YML038C |  | YNR004W | YPL157W |

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| YDL100C | YDR304C |  | YER101C | YMR071C |  | YIR038C | YML055W |  | YNR010W | YOR174W |
| YDL100C | YDR513W |  | YER102W | YFL017C |  | YIR038C | YML125C |  | YNR012W | YNR012W |
| YDL100C | YDR526C |  | YER105C | YJL030W |  | YIR038C | YNL111C |  | YNR012W | YPL031C |
| YDL100C | YER017C |  | YER105C | YMR153W |  | YIR038C | YNL217W |  | YNR022C | YPR119W |
| YDL100C | YER150W |  | YER107C | YMR047C |  | YIR038C | YNL219C |  | YNR032CA | YOR308C |
| YDL100C | YGL153W |  | YER112W | YLR438CA |  | YIR038C | YNL263C |  | YNR032W | YPR040W |
| YDL100C | YGR028W |  | YER118C | YER118C |  | YIR038C | YNR030W |  | YNR034W | YOR178C |
| YDL100C | YGR189C |  | YER118C | YMR079W |  | YIR038C | YOL003C |  | YNR064C | YNR064C |
| YDL100C | YHL004W |  | YER118C | YNL315C |  | YIR038C | YOL018C |  | YNR068C | YNR069C |
| YDL100C | YHR057C |  | YER125W | YGR268C |  | YIR038C | YOL126C |  | YOL001W | YPL031C |
| YDL100C | YHR128W |  | YER125W | YHR131C |  | YIR038C | YOR321W |  | YOL003C | YPL094C |
| YDL100C | YHR180W |  | YER125W | YJL025W |  | YIR038C | YPL053C |  | YOL034W | YOL082W |
| YDL100C | YIL065C |  | YER125W | YLR167W |  | YIR038C | YPR113W |  | YOL034W | YOR284W |
| YDL100C | YIL162W |  | YER125W | YLR291C |  | YIR038C | YPR159CA |  | YOL034W | YPL070W |
| YDL100C | YJL153C |  | YER125W | YLR392C |  | YJL001W | YLR386W |  | YOL034W | YPR105C |
| YDL100C | YKL154W |  | YER125W | YMR257C |  | YJL006C | YML112W |  | YOL082W | YOR115C |
| YDL100C | YKR100C |  | YER125W | YMR275C |  | YJL011C | YKL015W |  | YOL082W | YOR353C |
| YDL100C | YLR297W |  | YER125W | YMR316W |  | YJL013C | YNL236W |  | YOL082W | YPL091W |
| YDL100C | YML101C |  | YER125W | YOR322C |  | YJL013C | YOR026W |  | YOL082W | YPL135W |
| YDL100C | YNL149C |  | YER125W | YOR385W |  | YJL019W | YJL019W |  | YOL106W | YPR182W |
| YDL100C | YNL199C |  | YER126C | YHR204W |  | YJL019W | YJR068W |  | YOL107W | YPL020C |
| YDL100C | YNR067C |  | YER126C | YPL004C |  | YJL019W | YMR001C |  | YOL111C | YOR007C |
| YDL100C | YOL018C |  | YER127W | YLR423C |  | YJL019W | YNL029C |  | YOL126C | YOR347C |
| YDL100C | YOL111C |  | YER128W | YLR181C |  | YJL019W | YOL012C |  | YOL135C | YOR174W |
| YDL100C | YOL126C |  | YER128W | YPR173C |  | YJL019W | YOR288C |  | YOL139C | YOR276W |
| YDL100C | YOR164C |  | YER130C | YML051W |  | YJL019W | YPR113W |  | YOL143C | YOL143C |
| YDL100C | YPR075C |  | YER131W | YLL027W |  | YJL019W | YPR174C |  | YOL149W | YOR167C |
| YDL101C | YPL269W |  | YER131W | YLR435W |  | YJL025W | YLR423C |  | YOL149W | YPL204W |
| YDL105W | YOL034W |  | YER133W | YNL233W |  | YJL025W | YMR111C |  | YOR007C | YOR007C |
| YDL106C | YML051W |  | YER134C | YHR171W |  | YJL025W | YOR284W |  | YOR020C | YOR020C |
| YDL108W | YGL134W |  | YER143W | YER143W |  | YJL025W | YOR380W |  | YOR034C | YOR171C |
| YDL108W | YNL025C |  | YER143W | YJR141W |  | YJL030W | YNL218W |  | YOR036W | YPL151C |
| YDL110C | YKL015W |  | YER144C | YIL095W |  | YJL030W | YNL236W |  | YOR039W | YOR061W |
| YDL110C | YOR078W |  | YER144C | YLR291C |  | YJL030W | YOL116W |  | YOR039W | YOR303W |
| YDL111C | YGR158C |  | YER144C | YMR032W |  | YJL031C | YPR176C |  | YOR047C | YOR302W |
| YDL113C | YJL036W |  | YER146W | YJL124C |  | YJL036W | YLR423C |  | YOR047C | YOR358W |
| YDL116W | YDR113C |  | YER146W | YLR438CA |  | YJL039C | YMR153W |  | YOR047C | YPR103W |
| YDL116W | YKR082W |  | YER146W | YNL147W |  | YJL041W | YJL061W |  | YOR069W | YOR132W |
| YDL117W | YMR032W |  | YER149C | YMR124W |  | YJL047C | YOL133W |  | YOR095C | YOR095C |
| YDL118W | YLR295C |  | YER151C | YNR051C |  | YJL048C | YKL130C |  | YOR095C | YOR160W |
| YDL120W | YDR100W |  | YER157W | YGR120C |  | YJL048C | YLR423C |  | YOR108W | YOR108W |
| YDL120W | YMR071C |  | YER174C | YGR262C |  | YJL057C | YMR129W |  | YOR111W | YOR111W |
| YDL125C | YHL018W |  | YER177W | YKL168C |  | YJL057C | YMR153W |  | YOR124C | YOR138C |
| YDL126C | YDL190C |  | YER177W | YLR177W |  | YJL058C | YJL058C |  | YOR128C | YOR128C |
| YDL126C | YFL044C |  | YER179W | YER179W |  | YJL058C | YJL075C |  | YOR128C | YPR088C |
| YDL126C | YGL108C |  | YER179W | YIL105C |  | YJL058C | YJL112W |  | YOR155C | YOR155C |
| YDL126C | YMR067C |  | YER180C | YGL026C |  | YJL058C | YLR295C |  | YOR155C | YPL070W |
| YDL126C | YNL155W |  | YER180C | YGL070C |  | YJL058C | YLR423C |  | YOR159C | YPR182W |
| YDL127W | YDR146C |  | YER180C | YPL049C |  | YJL058C | YML098W |  | YOR160W | YOR185C |
| YDL130W | YKL002W |  | YER182W | YKL142W |  | YJL058C | YNL229C |  | YOR160W | YPL088W |
| YDL130W | YLR287C |  | YER184C | YER184C |  | YJL061W | YLR423C |  | YOR162C | YOR162C |
| YDL130W | YLR340W |  | YER188W | YPL049C |  | YJL061W | YMR047C |  | YOR164C | YPR105C |
| YDL132W | YLR267W |  | YFL009W | YFL009W |  | YJL064W | YNR029C |  | YOR185C | YPL125W |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| YDL132W | YOL133W |  | YFL010C | YLR291C |  | YJL065C | YNR029C |  | YOR192CA | YOR192CA |
| YDL133CA | YKR048C |  | YFL010C | YML051W |  | YJL068C | YJL068C |  | YOR202W | YOR202W |
| YDL134C | YHR114W |  | YFL010C | YMR276W |  | YJL069C | YLR409C |  | YOR226C | YPL088W |
| YDL134C | YMR028W |  | YFL010C | YNL189W |  | YJL070C | YML035C |  | YOR229W | YOR229W |
| YDL134C | YPR040W |  | YFL010C | YPR054W |  | YJL083W | YPL004C |  | YOR229W | YOR230W |
| YDL135C | YLR229C |  | YFL017C | YFL017C |  | YJL084C | YOR348C |  | YOR229W | YOR283W |
| YDL139C | YGL153W |  | YFL017C | YOL059W |  | YJL090C | YLR072W |  | YOR269W | YOR269W |
| YDL144C | YDL144C |  | YFL017C | YOR362C |  | YJL090C | YLR098C |  | YOR275C | YPR173C |
| YDL144C | YDR088C |  | YFL017WA | YHR113W |  | YJL090C | YLR386W |  | YOR284W | YOR284W |
| YDL144C | YLR291C |  | YFL017WA | YKR034W |  | YJL090C | YML099C |  | YOR285W | YPR183W |
| YDL146W | YKL070W |  | YFL017WA | YOR159C |  | YJL092W | YOR355W |  | YOR324C | YPR153W |
| YDL147W | YJR091C |  | YFL018C | YHR114W |  | YJL097W | YML029W |  | YOR331C | YPR105C |
| YDL149W | YLR065C |  | YFL023W | YLR200W |  | YJL097W | YPL094C |  | YOR355W | YPR048W |
| YDL150W | YKR025W |  | YFL024C | YHR090C |  | YJL097W | YPR071W |  | YOR370C | YPR176C |
| YDL153C | YNL280C |  | YFL029C | YPR054W |  | YJL100W | YPL100W |  | YOR380W | YOR380W |
| YDL154W | YFL003C |  | YFL034CB | YIR016W |  | YJL103C | YLR377C |  | YOR380W | YPL031C |
| YDL154W | YGL025C |  | YFL034CB | YKL002W |  | YJL103C | YOR379C |  | YPL003W | YPR066W |
| YDL154W | YGL170C |  | YFL034CB | YOL036W |  | YJL104W | YMR071C |  | YPL004C | YPL164C |
| YDL154W | YIL144W |  | YFL037W | YOR265W |  | YJL104W | YOL082W |  | YPL031C | YPL049C |
| YDL154W | YMR224C |  | YFL038C | YNL041C |  | YJL110C | YLR424W |  | YPL031C | YPL219W |
| YDL155W | YPL124W |  | YFL038C | YOR370C |  | YJL110C | YNL021W |  | YPL049C | YPL049C |
| YDL160C | YEL015W |  | YFL039C | YFL039C |  | YJL112W | YJR003C |  | YPL049C | YPL070W |
| YDL160C | YGR178C |  | YFL039C | YGL015C |  | YJL112W | YJR046W |  | YPL049C | YPR017C |
| YDL160C | YOL149W |  | YFL039C | YLR291C |  | YJL112W | YKL189W |  | YPL049C | YPR082C |
| YDL161W | YOR111W |  | YFL039C | YMR092C |  | YJL112W | YLL001W |  | YPL070W | YPL070W |
| YDL164C | YDR100W |  | YFL039C | YNL138W |  | YJL112W | YLR291C |  | YPL070W | YPL088W |
| YDL164C | YGL053W |  | YFL039C | YNL189W |  | YJL121C | YJL121C |  | YPL070W | YPR193C |
| YDL164C | YNL044W |  | YFL039C | YOR304CA |  | YJL124C | YLR438CA |  | YPL088W | YPL088W |
| YDL165W | YGR014W |  | YFL042C | YGR017W |  | YJL124C | YOR375C |  | YPL088W | YPL125W |
| YDL165W | YKL002W |  | YFL047W | YKL171W |  | YJL125C | YNL062C |  | YPL094C | YPL094C |
| YDL166C | YER047C |  | YFL056C | YNL201C |  | YJL127WA | YMR070W |  | YPL094C | YPR037C |
| YDL166C | YNL329C |  | YFL059W | YFL059W |  | YJL134W | YML029W |  | YPL094C | YPR159CA |
| YDL168W | YER081W |  | YFL059W | YFL060C |  | YJL137C | YJL137C |  | YPL111W | YPL111W |
| YDL184C | YKR048C |  | YFL059W | YMR095C |  | YJL137C | YLR258W |  | YPL124W | YPL124W |
| YDL188C | YMR028W |  | YFL059W | YMR096W |  | YJL138C | YPL125W |  | YPL125W | YPR160W |
| YDL188C | YPR040W |  | YFL059W | YMR322C |  | YJL141C | YOL133W |  | YPL176C | YPR071W |
| YDL189W | YDR480W |  | YFL059W | YNL189W |  | YJL145W | YLR266C |  | YPL192C | YPL192C |
| YDL189W | YIL122W |  | YFL059W | YNL333W |  | YJL151C | YML097C |  | YPL214C | YPL214C |
| YDL189W | YLR186W |  | YFL059W | YNL334C |  | YJL151C | YMR079W |  | YPL280W | YPL280W |
| YDL189W | YPL049C |  | YFL059W | YPL070W |  | YJL151C | YNL204C |  | YPR048W | YPR070W |
| YDL190C | YFL044C |  | YFL060C | YMR095C |  | YJL155C | YLR345W |  | YPR062W | YPR062W |
| YDL190C | YMR276W |  | YFL060C | YMR096W |  | YJL173C | YNL312W |  | YPR071W | YPR071W |
| YDL195W | YIL109C |  | YFL060C | YNL333W |  | YJL183W | YPL094C |  | YPR105C | YPR191W |
| YDL195W | YLR208W |  | YFL061W | YNL189W |  | YJL184W | YOR117W |  | YPR118W | YPR118W |
| YDL203C | YGR058W |  | YFR002W | YGR120C |  | YJL184W | YPL174C |  | YPR158WA | YPR158WA |
| YDL203C | YOR372C |  | YFR002W | YML025C |  | YJL185C | YMR204C |  | YPR193C | YPR193C |
| YDL203C | YPL124W |  | YFR002W | YMR153W |  | YJL185C | YOR127W |  |  |  |
| YDL204W | YER118C |  | YFR008W | YMR029C |  | YJL187C | YMR001C |  |  |  |