| Protein | MIPS function | in GOslim | Predicted function of the overlap interface | in GOslim |
|---|---|---|---|---|
| YAL013W | Other metabolism | yes | Cellular organization | yes |
| YBR243C | Protein fate | yes | Other metabolism | yes |
| YBR272C | Genome maintenance | yes | Protein fate | yes |
| YDR121W | Transcription | yes | Genome maintenance | yes |
| YDR356W | Cellular fate/organization | yes | Genome maintenance | yes |
| YEL022W | Cellular organization | yes | Cellular fate/organization | yes |
| YER145C | Transport and sensing | yes | Cellular fate/organization | yes |
| YGL226C-A | Protein fate | yes | Other metabolism | yes |
| YGL244W | Transcription | yes | Genome maintenance | yes |
| YHR004C | Cellular fate/organization | yes | Cellular organization | yes |
| YIL008W | Protein fate | yes | Other metabolism | yes |
| YJL002C | Protein fate | yes | Other metabolism | yes |
| YLL026W | Protein fate | yes | Other metabolism | yes |
| YMR149W | Protein fate | yes | Other metabolism | yes |
| YMR198W | Genome maintenance | yes | Cellular fate/organization | yes |
| YNL307C | Cellular fate/organization | yes | Genome maintenance | yes |
| YOR085W | Protein fate | yes | Other metabolism | yes |
| YOR103C | Protein fate | yes | Other metabolism | yes |
| YAL009W | Genome maintenance | no | Cellular organization | yes |
| YAL020C | Uncharacterized | no | Cellular fate/organization | yes |
| YAL027W | Uncharacterized | no | Genome maintenance | yes |
| YAR014C | Uncharacterized | no | Cellular fate/organization | yes |
| YBL103C | Transcriptional control | no | Protein fate | yes |
| YBR095C | Uncharacterized | no | Genome maintenance | yes |
| YCL024W | Genome maintenance | no | Protein fate | yes |
| YCL061C | Uncharacterized | no | Genome maintenance | yes |
| YCR020C | Genome maintenance | no | Other metabolism | yes |
| YDL013W | Other metabolism | no | Genome maintenance | yes |
| YDL028C | Genome maintenance | no | Cellular organization | yes |
| YDL117W | Uncharacterized | no | Cellular fate/organization | yes |
| YDR009W | Transcriptional control | no | Other metabolism | yes |
| YDR080W | Protein fate | no | Cellular organization | yes |
| YDR085C | Cellular fate/organization | no | Genome maintenance | yes |
| YDR277C | Other metabolism | no | Transport and sensing | yes |
| YDR289C | Uncharacterized | no | Genome maintenance | yes |
| YDR363W | Transcriptional control | no | Genome maintenance | yes |
| YDR495C | Protein fate | no | Cellular organization | yes |
| YDR527W | Uncharacterized | no | Transcription | yes |
| YER062C | Stress and defence | no | Other metabolism | yes |
| YGL027C | Cellular fate/organization | no | Other metabolism | yes |
| YGL116W | Genome maintenance | no | Cellular organization | yes |
| YGL119W | Protein fate | no | Other metabolism | yes |
| YGL136C | Uncharacterized | no | Other metabolism | yes |
| YGR004W | Uncharacterized | no | Cellular organization | yes |
| YGR223C | Uncharacterized | no | Cellular organization | yes |
| YHL027W | Transcriptional control | no | Cellular fate/organization | yes |
| YHR014W | Genome maintenance | no | Cellular fate/organization | yes |
| YHR016C | Uncharacterized | no | Cellular fate/organization | yes |
| YHR047C | Protein fate | no | Other metabolism | yes |
| YHR079C | Cellular fate/organization | no | Protein fate | yes |
| YHR115C | Uncharacterized | no | Cellular fate/organization | yes |
| YHR154W | Transcriptional control | no | Genome maintenance | yes |
| YHR171W | Cellular fate/organization | no | Protein fate | yes |
| YHR172W | Genome maintenance | no | Cellular fate/organization | yes |
| YIL007C | Uncharacterized | no | Protein fate | yes |
| YIL095W | Genome maintenance | no | Cellular organization | yes |
| YJL019W | Uncharacterized | no | Genome maintenance | yes |
| YJL042W | Uncharacterized | no | Cellular fate/organization | yes |
| YJL115W | Transcriptional control | no | Genome maintenance | yes |
| YJR101W | Uncharacterized | no | Translation | yes |

**Table S1. Continued**

| Protein | MIPS function | in GOslim | Predicted function of the overlap interface | in GOslim |
|---|---|---|---|---|
| YKL193C | Genome maintenance | no | Cellular fate/organization | yes |
| YKR042W | Cellular fate/organization | no | Cellular organization | yes |
| YKR099W | Transcriptional control | no | Other metabolism | yes |
| YLL002W | Uncharacterized | no | Protein fate | yes |
| YLR097C | Uncharacterized | no | Protein fate | yes |
| YLR244C | Protein fate | no | Translation | yes |
| YLR270W | Uncharacterized | no | Other metabolism | yes |
| YLR421C | Uncharacterized | no | Protein fate | yes |
| YMR039C | Transcriptional control | no | Transcription | yes |
| YMR273C | Transcriptional control | no | Cellular fate/organization | yes |
| YNL116W | Uncharacterized | no | Cellular fate/organization | yes |
| YNL119W | Translation | no | Cellular fate/organization | yes |
| YNL177C | Uncharacterized | no | Translation | yes |
| YNL289W | Genome maintenance | no | Cellular fate/organization | yes |
| YNR046W | Uncharacterized | no | Protein fate | yes |
| YOL068C | Transcriptional control | no | Genome maintenance | yes |
| YOL076W | Genome maintenance | no | Cellular fate/organization | yes |
| YOR008C | Stress and defence | no | Cellular fate/organization | yes |
| YOR028C | Transcriptional control | no | Transport and sensing | yes |
| YOR101W | Cellular fate/organization | no | Transport and sensing | yes |
| YOR144C | Uncharacterized | no | Genome maintenance | yes |
| YOR204W | Transcription | no | Translation | yes |
| YOR311C | Uncharacterized | no | Other metabolism | yes |
| YPL105C | Uncharacterized | no | Translation | yes |
| YPL201C | Uncharacterized | no | Other metabolism | yes |
| YPL209C | Genome maintenance | no | Cellular organization | yes |
| YPL240C | Cellular fate/organization | no | Cellular organization | yes |
| YAL026C | Cellular organization | yes | Cellular fate/organization | no |
| YBR021W | Transport and sensing | yes | Other metabolism | no |
| YBR037C | Protein fate | yes | Energy production | no |
| YBR143C | Translation | yes | Transport and sensing | no |
| YBR207W | Transport and sensing | yes | Cellular fate/organization | no |
| YCL040W | Other metabolism | yes | Cellular organization | no |
| YCR037C | Transport and sensing | yes | Other metabolism | no |
| YDL044C | Translation | yes | Uncharacterized | no |
| YDR027C | Cellular organization | yes | Genome maintenance | no |
| YDR044W | Other metabolism | yes | Amino-acid metabolism | no |
| YDR052C | Genome maintenance | yes | Protein fate | no |
| YDR190C | Transcription | yes | Genome maintenance | no |
| YDR226W | Other metabolism | yes | Translation | no |
| YDR296W | Genome maintenance | yes | Translation | no |
| YDR446W | Cellular fate/organization | yes | Protein fate | no |
| YDR447C | Translation | yes | Amino-acid metabolism | no |
| YDR500C | Translation | yes | Other metabolism | no |
| YDR529C | Energy production | yes | Uncharacterized | no |
| YER015W | Other metabolism | yes | Amino-acid metabolism | no |
| YGL017W | Protein fate | yes | Translation | no |
| YGL038C | Protein fate | yes | Cellular fate/organization | no |
| YGL134W | Other metabolism | yes | Genome maintenance | no |
| YGL150C | Transcription | yes | Uncharacterized | no |
| YGL189C | Translation | yes | Uncharacterized | no |
| YGL225W | Transport and sensing | yes | Uncharacterized | no |
| YGR007W | Other metabolism | yes | Cellular organization | no |
| YGR116W | Transcription | yes | Genome maintenance | no |
| YGR202C | Other metabolism | yes | Cellular organization | no |
| YGR238C | Cellular fate/organization | yes | Stress and defence | no |
| YHR010W | Translation | yes | Genome maintenance | no |
| YHR060W | Protein fate | yes | Transport and sensing | no |

**Table S1. Continued**

| Protein | MIPS function | in GOslim | Predicted function of the overlap interface | in GOslim |
|---|---|---|---|---|
| YHR070W | Other metabolism | yes | Transcription | no |
| YHR143W-A | Transcription | yes | Translation | no |
| YHR144C | Other metabolism | yes | Energy production | no |
| YIL009W | Other metabolism | yes | Amino-acid metabolism | no |
| YIR031C | Other metabolism | yes | Uncharacterized | no |
| YIR032C | Other metabolism | yes | Cellular fate/organization | no |
| YJL180C | Protein fate | yes | Uncharacterized | no |
| YJL198W | Transport and sensing | yes | Other metabolism | no |
| YJR040W | Transport and sensing | yes | Other metabolism | no |
| YJR048W | Energy production | yes | Uncharacterized | no |
| YJR097W | Protein fate | yes | Uncharacterized | no |
| YJR133W | Other metabolism | yes | Cellular organization | no |
| YKL010C | Protein fate | yes | Energy production | no |
| YKL024C | Other metabolism | yes | Translation | no |
| YKL035W | Other metabolism | yes | Genome maintenance | no |
| YKL056C | Translation | yes | Transcriptional control | no |
| YKL092C | Cellular fate/organization | yes | Genome maintenance | no |
| YKL139W | Transcription | yes | Amino-acid metabolism | no |
| YKL190W | Cellular fate/organization | yes | Other metabolism | no |
| YLL043W | Transport and sensing | yes | Cellular fate/organization | no |
| YLR142W | Amino-acid metabolism | yes | Transport and sensing | no |
| YLR185W | Translation | yes | Other metabolism | no |
| YLR192C | Translation | yes | Transport and sensing | no |
| YLR195C | Protein fate | yes | Other metabolism | no |
| YLR249W | Translation | yes | Other metabolism | no |
| YLR420W | Other metabolism | yes | Genome maintenance | no |
| YLR433C | Cellular fate/organization | yes | Other metabolism | no |
| YML008C | Other metabolism | yes | Uncharacterized | no |
| YML024W | Translation | yes | Amino-acid metabolism | no |
| YML105C | Protein fate | yes | Other metabolism | no |
| YML115C | Protein fate | yes | Cellular organization | no |
| YMR223W | Protein fate | yes | Transcriptional control | no |
| YMR235C | Transcription | yes | Cellular organization | no |
| YNL098C | Cellular fate/organization | yes | Uncharacterized | no |
| YNL117W | Other metabolism | yes | Uncharacterized | no |
| YNL273W | Genome maintenance | yes | Uncharacterized | no |
| YNL280C | Other metabolism | yes | Transcriptional control | no |
| YNR001C | Energy production | yes | Uncharacterized | no |
| YNR013C | Transport and sensing | yes | Other metabolism | no |
| YNR032W | Energy production | yes | Uncharacterized | no |
| YNR050C | Amino-acid metabolism | yes | Other metabolism | no |
| YOL096C | Other metabolism | yes | Uncharacterized | no |
| YOR005C | Genome maintenance | yes | Uncharacterized | no |
| YOR023C | Protein fate | yes | Uncharacterized | no |
| YOR027W | Protein fate | yes | Stress and defence | no |
| YOR034C | Cellular organization | yes | Other metabolism | no |
| YOR106W | Cellular organization | yes | Cellular fate/organization | no |
| YOR110W | Transcription | yes | Cellular organization | no |
| YOR124C | Protein fate | yes | Uncharacterized | no |
| YOR143C | Other metabolism | yes | Energy production | no |
| YOR153W | Transport and sensing | yes | Transcriptional control | no |
| YOR182C | Translation | yes | Genome maintenance | no |
| YOR194C | Transcription | yes | Transcriptional control | no |
| YOR232W | Protein fate | yes | Genome maintenance | no |
| YOR251C | Other metabolism | yes | Amino-acid metabolism | no |
| YOR330C | Genome maintenance | yes | Uncharacterized | no |
| YOR375C | Amino-acid metabolism | yes | Energy production | no |
| YPL219W | Other metabolism | yes | Genome maintenance | no |

**Table S1. Continued**

| Protein | MIPS function | in GOslim | Predicted function of the overlap interface | in GOslim |
|---|---|---|---|---|
| YPR001W | Energy production | yes | Uncharacterized | no |
| YPR119W | Cellular fate/organization | yes | Genome maintenance | no |
| YPR159W | Other metabolism | yes | Cellular fate/organization | no |
| YAL025C | Genome maintenance | no | Uncharacterized | no |
| YAL036C | Uncharacterized | no | Translation | no |
| YAL060W | Other metabolism | no | Amino-acid metabolism | no |
| YBL051C | Uncharacterized | no | Cellular fate/organization | no |
| YBL091C | Protein fate | no | Translation | no |
| YBR024W | Protein fate | no | Energy production | no |
| YBR091C | Protein fate | no | Genome maintenance | no |
| YBR108W | Uncharacterized | no | Cellular fate/organization | no |
| YBR155W | Uncharacterized | no | Amino-acid metabolism | no |
| YBR187W | Uncharacterized | no | Energy production | no |
| YBR215W | Transcriptional control | no | Genome maintenance | no |
| YBR216C | Uncharacterized | no | Transcriptional control | no |
| YBR223C | Uncharacterized | no | Protein fate | no |
| YBR231C | Uncharacterized | no | Genome maintenance | no |
| YBR255W | Uncharacterized | no | Genome maintenance | no |
| YBR284W | Other metabolism | no | Uncharacterized | no |
| YCL010C | Uncharacterized | no | Transcriptional control | no |
| YCL033C | Transcription | no | Stress and defence | no |
| YCL063W | Uncharacterized | no | Protein fate | no |
| YCR005C | Energy production | no | Uncharacterized | no |
| YCR010C | Other metabolism | no | Energy production | no |
| YCR020C-A | Uncharacterized | no | Energy production | no |
| YCR076C | Uncharacterized | no | Cellular organization | no |
| YCR079W | Uncharacterized | no | Amino-acid metabolism | no |
| YDL063C | Uncharacterized | no | Protein fate | no |
| YDL088C | Genome maintenance | no | Cellular organization | no |
| YDL101C | Cellular fate/organization | no | Other metabolism | no |
| YDL118W | Uncharacterized | no | Energy production | no |
| YDL121C | Uncharacterized | no | Stress and defence | no |
| YDL165W | Transcriptional control | no | Cellular organization | no |
| YDL217C | Protein fate | no | Uncharacterized | no |
| YDL218W | Uncharacterized | no | Transcription | no |
| YDL224C | Cellular fate/organization | no | Uncharacterized | no |
| YDR005C | Protein fate | no | Amino-acid metabolism | no |
| YDR008C | Uncharacterized | no | Genome maintenance | no |
| YDR022C | Genome maintenance | no | Protein fate | no |
| YDR026C | Transcriptional control | no | Transcription | no |
| YDR086C | Protein fate | no | Translation | no |
| YDR100W | Uncharacterized | no | Cellular organization | no |
| YDR105C | Uncharacterized | no | Amino-acid metabolism | no |
| YDR146C | Transcriptional control | no | Genome maintenance | no |
| YDR160W | Transcriptional control | no | Amino-acid metabolism | no |
| YDR170C | Cellular organization | no | Translation | no |
| YDR171W | Protein fate | no | Other metabolism | no |
| YDR194C | Transcription | no | Amino-acid metabolism | no |
| YDR200C | Uncharacterized | no | Cellular fate/organization | no |
| YDR203W | Uncharacterized | no | Genome maintenance | no |
| YDR252W | Translation | no | Uncharacterized | no |
| YDR256C | Stress and defence | no | Protein fate | no |
| YDR271C | Uncharacterized | no | Other metabolism | no |
| YDR383C | Uncharacterized | no | Cellular organization | no |
| YDR384C | Uncharacterized | no | Energy production | no |
| YDR403W | Cellular fate/organization | no | Stress and defence | no |
| YDR412W | Uncharacterized | no | Cellular fate/organization | no |
| YDR423C | Transcriptional control | no | Cellular organization | no |

**Table S1. Continued**

| Protein | MIPS function | in GOslim | Predicted function of the overlap interface | in GOslim |
|---|---|---|---|---|
| YDR439W | Transcriptional control | no | Genome maintenance | no |
| YDR455C | Uncharacterized | no | Energy production | no |
| YDR533C | Uncharacterized | no | Cellular organization | no |
| YEL013W | Cellular fate/organization | no | Genome maintenance | no |
| YEL018W | Uncharacterized | no | Other metabolism | no |
| YEL062W | Other metabolism | no | Cellular fate/organization | no |
| YER039C | Cellular organization | no | Transcription | no |
| YER078C | Protein fate | no | Translation | no |
| YER106W | Uncharacterized | no | Genome maintenance | no |
| YER122C | Transcriptional control | no | Cellular fate/organization | no |
| YER141W | Energy production | no | Protein fate | no |
| YER143W | Stress and defence | no | Genome maintenance | no |
| YER167W | Uncharacterized | no | Genome maintenance | no |
| YER170W | Other metabolism | no | Translation | no |
| YER180C | Genome maintenance | no | Transcription | no |
| YFL060C | Stress and defence | no | Uncharacterized | no |
| YFR006W | Protein fate | no | Translation | no |
| YFR011C | Uncharacterized | no | Transcription | no |
| YFR013W | Uncharacterized | no | Transcriptional control | no |
| YFR043C | Uncharacterized | no | Cellular organization | no |
| YGL015C | Uncharacterized | no | Cellular fate/organization | no |
| YGL060W | Uncharacterized | no | Cellular fate/organization | no |
| YGL073W | Transcriptional control | no | Genome maintenance | no |
| YGL124C | Uncharacterized | no | Protein fate | no |
| YGL166W | Transcriptional control | no | Cellular organization | no |
| YGL170C | Uncharacterized | no | Cellular organization | no |
| YGL254W | Transcriptional control | no | Amino-acid metabolism | no |
| YGR006W | Transcription | no | Genome maintenance | no |
| YGR043C | Other metabolism | no | Amino-acid metabolism | no |
| YGR066C | Uncharacterized | no | Transcriptional control | no |
| YGR146C | Uncharacterized | no | Transcriptional control | no |
| YGR161C-C | Uncharacterized | no | Cellular organization | no |
| YGR165W | Uncharacterized | no | Protein fate | no |
| YGR189C | Uncharacterized | no | Stress and defence | no |
| YGR196C | Uncharacterized | no | Cellular fate/organization | no |
| YGR209C | Stress and defence | no | Translation | no |
| YGR233C | Other metabolism | no | Cellular fate/organization | no |
| YGR247W | Uncharacterized | no | Cellular organization | no |
| YHL002W | Cellular fate/organization | no | Cellular organization | no |
| YHL009C | Transcriptional control | no | Cellular organization | no |
| YHL018W | Other metabolism | no | Cellular organization | no |
| YHR029C | Uncharacterized | no | Other metabolism | no |
| YHR057C | Protein fate | no | Stress and defence | no |
| YHR130C | Uncharacterized | no | Genome maintenance | no |
| YHR134W | Uncharacterized | no | Genome maintenance | no |
| YHR156C | Cellular organization | no | Amino-acid metabolism | no |
| YHR176W | Other metabolism | no | Uncharacterized | no |
| YHR177W | Uncharacterized | no | Transcriptional control | no |
| YHR180W | Uncharacterized | no | Stress and defence | no |
| YHR184W | Cellular fate/organization | no | Uncharacterized | no |
| YHR185C | Cellular fate/organization | no | Genome maintenance | no |
| YHR191C | Uncharacterized | no | Genome maintenance | no |
| YHR201C | Other metabolism | no | Uncharacterized | no |
| YIL039W | Uncharacterized | no | Stress and defence | no |
| YIL079C | Uncharacterized | no | Genome maintenance | no |
| YIL092W | Uncharacterized | no | Transcription | no |
| YIL113W | Protein fate | no | Stress and defence | no |
| YIL122W | Uncharacterized | no | Transcriptional control | no |

**Table S1. Continued**

| Protein | MIPS function | in GOslim | Predicted function of the overlap interface | in GOslim |
|---|---|---|---|---|
| YIL137C | Protein fate | no | Other metabolism | no |
| YIL144W | Uncharacterized | no | Genome maintenance | no |
| YIR015W | Transcription | no | Translation | no |
| YIR038C | Stress and defence | no | Transport and sensing | no |
| YJL048C | Uncharacterized | no | Cellular fate/organization | no |
| YJL057C | Uncharacterized | no | Cellular organization | no |
| YJL151C | Uncharacterized | no | Cellular organization | no |
| YJL153C | Other metabolism | no | Stress and defence | no |
| YJL184W | Uncharacterized | no | Protein fate | no |
| YJR011C | Uncharacterized | no | Protein fate | no |
| YJR056C | Uncharacterized | no | Cellular organization | no |
| YJR083C | Uncharacterized | no | Energy production | no |
| YJR094C | Transcriptional control | no | Genome maintenance | no |
| YJR134C | Uncharacterized | no | Cellular organization | no |
| YJR159W | Other metabolism | no | Genome maintenance | no |
| YKL023W | Uncharacterized | no | Transcription | no |
| YKL043W | Transcriptional control | no | Protein fate | no |
| YKL044W | Uncharacterized | no | Genome maintenance | no |
| YKL050C | Uncharacterized | no | Protein fate | no |
| YKL075C | Uncharacterized | no | Transcription | no |
| YKL076C | Uncharacterized | no | Genome maintenance | no |
| YKL082C | Uncharacterized | no | Transcription | no |
| YKL094W | Uncharacterized | no | Other metabolism | no |
| YKL095W | Uncharacterized | no | Transcription | no |
| YKL107W | Uncharacterized | no | Genome maintenance | no |
| YKL157W | Protein fate | no | Other metabolism | no |
| YKL176C | Protein fate | no | Cellular organization | no |
| YKR010C | Uncharacterized | no | Genome maintenance | no |
| YKR047W | Uncharacterized | no | Cellular fate/organization | no |
| YKR067W | Transport and sensing | no | Cellular organization | no |
| YKR086W | Transcription | no | Genome maintenance | no |
| YKR088C | Uncharacterized | no | Cellular organization | no |
| YKR100C | Uncharacterized | no | Stress and defence | no |
| YLL029W | Uncharacterized | no | Translation | no |
| YLR030W | Uncharacterized | no | Protein fate | no |
| YLR045C | Uncharacterized | no | Genome maintenance | no |
| YLR049C | Uncharacterized | no | Energy production | no |
| YLR059C | Transcription | no | Genome maintenance | no |
| YLR085C | Uncharacterized | no | Genome maintenance | no |
| YLR118C | Uncharacterized | no | Other metabolism | no |
| YLR126C | Uncharacterized | no | Other metabolism | no |
| YLR156W | Uncharacterized | no | Genome maintenance | no |
| YLR177W | Uncharacterized | no | Other metabolism | no |
| YLR238W | Uncharacterized | no | Cellular fate/organization | no |
| YLR253W | Uncharacterized | no | Other metabolism | no |
| YLR263W | Genome maintenance | no | Protein fate | no |
| YLR267W | Uncharacterized | no | Amino-acid metabolism | no |
| YLR287C | Uncharacterized | no | Translation | no |
| YLR354C | Energy production | no | Amino-acid metabolism | no |
| YLR381W | Uncharacterized | no | Genome maintenance | no |
| YLR425W | Uncharacterized | no | Cellular fate/organization | no |
| YLR451W | Transcriptional control | no | Genome maintenance | no |
| YML005W | Uncharacterized | no | Transcription | no |
| YML014W | Uncharacterized | no | Protein fate | no |
| YML016C | Stress and defence | no | Genome maintenance | no |
| YML031W | Genome maintenance | no | Cellular organization | no |
| YML079W | Uncharacterized | no | Other metabolism | no |
| YML104C | Genome maintenance | no | Stress and defence | no |

**Table S1. Continued**

| Protein | MIPS function | in GOslim | Predicted function of the overlap interface | in GOslim |
|---|---|---|---|---|
| YML109W | Genome maintenance | no | Cellular fate/organization | no |
| YML127W | Uncharacterized | no | Transcriptional control | no |
| YMR067C | Uncharacterized | no | Genome maintenance | no |
| YMR081C | Other metabolism | no | Uncharacterized | no |
| YMR114C | Uncharacterized | no | Genome maintenance | no |
| YMR233W | Uncharacterized | no | Genome maintenance | no |
| YMR299C | Uncharacterized | no | Cellular fate/organization | no |
| YMR302C | Transcription | no | Protein fate | no |
| YMR316W | Uncharacterized | no | Protein fate | no |
| YNL023C | Uncharacterized | no | Protein fate | no |
| YNL031C | Transcriptional control | no | Genome maintenance | no |
| YNL040W | Other metabolism | no | Amino-acid metabolism | no |
| YNL042W | Uncharacterized | no | Stress and defence | no |
| YNL049C | Uncharacterized | no | Cellular organization | no |
| YNL054W-B | Uncharacterized | no | Amino-acid metabolism | no |
| YNL105W | Uncharacterized | no | Other metabolism | no |
| YNL152W | Uncharacterized | no | Genome maintenance | no |
| YNL170W | Uncharacterized | no | Genome maintenance | no |
| YNL171C | Uncharacterized | no | Genome maintenance | no |
| YNL199C | Transcriptional control | no | Stress and defence | no |
| YNL215W | Uncharacterized | no | Genome maintenance | no |
| YNL216W | Transcriptional control | no | Cellular fate/organization | no |
| YNL292W | Transcription | no | Translation | no |
| YNL305C | Uncharacterized | no | Other metabolism | no |
| YNL320W | Cellular fate/organization | no | Other metabolism | no |
| YNL331C | Other metabolism | no | Cellular organization | no |
| YNR002C | Other metabolism | no | Energy production | no |
| YNR048W | Uncharacterized | no | Genome maintenance | no |
| YNR068C | Uncharacterized | no | Protein fate | no |
| YOL008W | Uncharacterized | no | Other metabolism | no |
| YOL050C | Uncharacterized | no | Energy production | no |
| YOL054W | Uncharacterized | no | Transcriptional control | no |
| YOL078W | Uncharacterized | no | Translation | no |
| YOL093W | Uncharacterized | no | Genome maintenance | no |
| YOL108C | Transcriptional control | no | Cellular organization | no |
| YOL129W | Uncharacterized | no | Cellular organization | no |
| YOL131W | Uncharacterized | no | Transcriptional control | no |
| YOL137W | Uncharacterized | no | Other metabolism | no |
| YOR025W | Transcriptional control | no | Genome maintenance | no |
| YOR097C | Uncharacterized | no | Other metabolism | no |
| YOR102W | Uncharacterized | no | Other metabolism | no |
| YOR112W | Uncharacterized | no | Cellular organization | no |
| YOR115C | Cellular organization | no | Uncharacterized | no |
| YOR208W | Stress and defence | no | Cellular fate/organization | no |
| YOR220W | Uncharacterized | no | Transcriptional control | no |
| YOR254C | Cellular organization | no | Protein fate | no |
| YOR264W | Uncharacterized | no | Genome maintenance | no |
| YOR281C | Cellular fate/organization | no | Genome maintenance | no |
| YOR289W | Uncharacterized | no | Cellular organization | no |
| YOR302W | Translation | no | Transcriptional control | no |
| YOR318C | Uncharacterized | no | Amino-acid metabolism | no |
| YOR385W | Uncharacterized | no | Protein fate | no |
| YPL023C | Other metabolism | no | Amino-acid metabolism | no |
| YPL065W | Cellular organization | no | Cellular fate/organization | no |
| YPL088W | Other metabolism | no | Cellular organization | no |
| YPL109C | Uncharacterized | no | Other metabolism | no |
| YPL125W | Cellular organization | no | Amino-acid metabolism | no |
| YPL233W | Uncharacterized | no | Amino-acid metabolism | no |

**Table S1. Continued**

| Protein | MIPS function | in GOslim | Predicted function of the overlap interface | in GOslim |
|---|---|---|---|---|
| YPR002W | Uncharacterized | no | Energy production | no |
| YPR028W | Cellular organization | no | Uncharacterized | no |
| YPR083W | Uncharacterized | no | Genome maintenance | no |
| YPR104C | Transcriptional control | no | Uncharacterized | no |
| YPR106W | Uncharacterized | no | Other metabolism | no |
| YPR116W | Uncharacterized | no | Genome maintenance | no |
| YPR118W | Uncharacterized | no | Genome maintenance | no |
| YPR126C | Uncharacterized | no | Amino-acid metabolism | no |
| YPR136C | Uncharacterized | no | Amino-acid metabolism | no |
| YPR172W | Uncharacterized | no | Other metabolism | no |