



WT  
sunn1  
dnf4  
dnf5  
dnf2  
hcl  
dnf3  
sunn4  
dnf6  
latd  
nad1  
rdn1  
dnf1  
ipd3  
dnf7  
dnf2  
dnf1 dnf2

CD030\_RS16270:ABC transporter ATP-binding protein/permease; protein\_id=WP\_010968430.1  
CD030\_RS07580:purU, formyltetrahydrofolate deformylase; protein\_id=WP\_010968430.1  
CD030\_RS03630:GGDEF domain-containing phosphodiesterase; protein\_id=WP\_010968430.1  
CD030\_RS05195:mscL, large conductance mechanosensitive channel protein; protein\_id=WP\_010968430.1  
CD030\_RS04135:MBL fold metallo-hydrolase; protein\_id=WP\_015445556  
CD030\_RS15555:cobN, cobaltochelate subunit CobN; protein\_id=WP\_010968430.1  
CD030\_RS06970:TonB-dependent receptor; protein\_id=WP\_010968430.1  
CD030\_RS06960:MFS transporter; protein\_id=WP\_010968432.1  
CD030\_RS04545:flhA, flagellar biosynthesis protein FlhA; protein\_id=WP\_010968432.1  
CD030\_RS05080:SDR family NAD(P)-dependent oxidoreductase (pseudogen); protein\_id=WP\_010968432.1  
CD030\_RS00270:AzC family ABC transporter permease; protein\_id=WP\_010968432.1  
CD030\_RS02435:rkpK, UDP-glucose 6-dehydrogenase; protein\_id=WP\_010968432.1  
CD030\_RS08485:autoinducer binding domain-containing protein (pseudogen); protein\_id=WP\_010968432.1  
CD030\_RS04400:XRE family transcriptional regulator; protein\_id=WP\_010968432.1  
CD030\_RS01280:dprA, DNA-processing protein DprA; protein\_id=WP\_010968432.1  
CD030\_RS03085:EAL domain-containing protein; protein\_id=WP\_010968432.1  
CD030\_RS06075:sppA, signal peptide peptidase SppA; protein\_id=WP\_010968432.1  
CD030\_RS04360:PAS domain S-box protein; protein\_id=WP\_010968771.1  
CD030\_RS17535:winged helix-turn-helix domain-containing tetratricopeptide repeat domain; protein\_id=WP\_010968771.1  
CD030\_RS00140:exbD, TonB system transport protein ExbD; protein\_id=WP\_010968771.1  
CD030\_RS02865:HAMP domain-containing histidine kinase; protein\_id=WP\_010968771.1  
CD030\_RS16895:BCCT family protein transporter; protein\_id=WP\_010968771.1  
CD030\_RS05255:Rrf2 family transcriptional regulator; protein\_id=WP\_010968771.1  
CD028\_RS01640:hypothetical protein; protein\_id=WP\_088195496.1  
CD030\_RS16855:hypothetical protein; protein\_id=WP\_015445609.1  
CD030\_RS16125:LTA synthase family protein; protein\_id=WP\_003534093  
CD030\_RS01435:NADH ubiquinone oxidoreductase; protein\_id=WP\_010968771.1  
CD030\_RS07610:hypothetical protein; protein\_id=WP\_013844967.1  
CD030\_RS07580:purU, formyltetrahydrofolate deformylase; protein\_id=WP\_010968771.1  
CD030\_RS07660:sarcosine oxidase subunit gamma; protein\_id=WP\_010968771.1  
CD030\_RS07655:sarcosine oxidase subunit alpha; protein\_id=WP\_010968771.1  
CD030\_RS04655:flagellar basal body P-ring protein FlgI; protein\_id=WP\_010968771.1  
CD030\_RS10040:translocation/assembly module TamB; protein\_id=WP\_010968771.1  
CD030\_RS16285:cytochrome c1; protein\_id=WP\_010969491.1  
CD030\_RS11905:electron transfer flavoprotein subunit beta/FixA family protein; protein\_id=WP\_010969491.1  
CD030\_RS16025:OmpA family protein; protein\_id=WP\_041170153.1  
CD030\_RS06705:GIY-YIG nuclease family protein; protein\_id=WP\_010969491.1  
CD030\_RS17140:molybdopterin molybdoxotransferase MoeA; protein\_id=WP\_010969491.1  
CD030\_RS02085:pdxA, 4-hydroxythreonine-4-phosphate dehydrogenase; protein\_id=WP\_010969491.1  
CD030\_RS05200:hybrid sensor histidine kinase/response regulator; protein\_id=WP\_010969491.1  
CD030\_RS16380:recA, recombinase RecA; protein\_id=WP\_010969478.1  
CD030\_RS02735:PAS-domain containing protein; protein\_id=WP\_013844967.1  
CD030\_RS12270:glutamine synthetase family protein; protein\_id=WP\_013844967.1