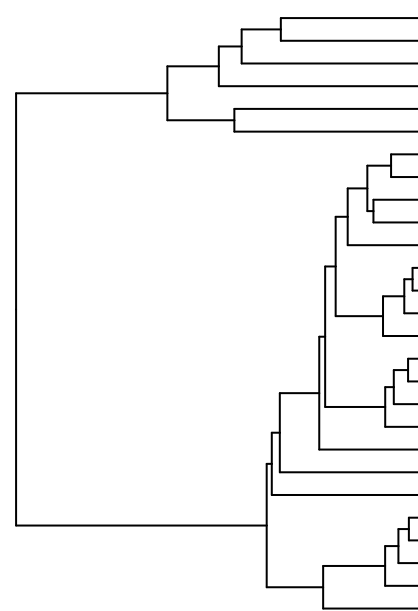
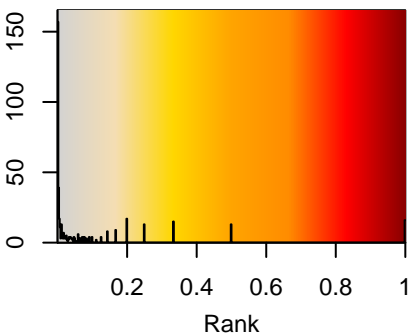


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sunn4
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nad1
rdn1
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ipd3
dnf7
dnf2
dnf1
dnf2

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:TorB-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_003534093.1
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:molybdopterine 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

psyma

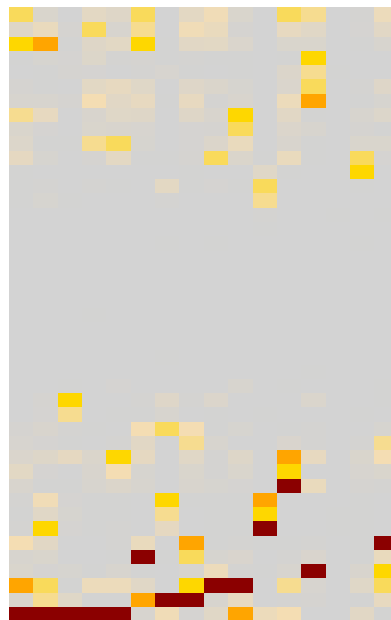
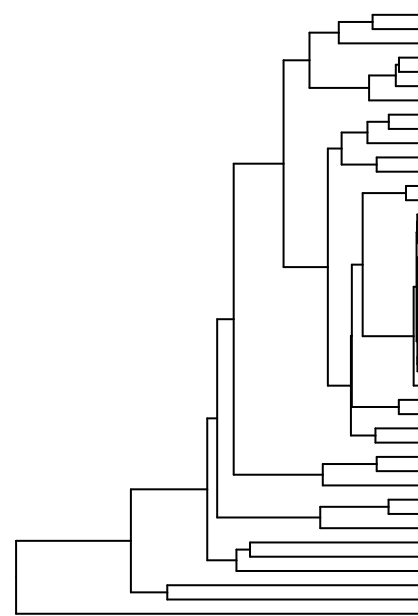
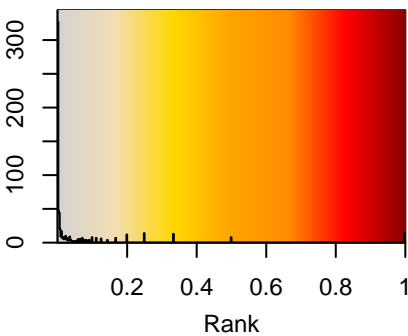


latd
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ipd3

CDO30_RS23155:MFS transporter; protein_id=WP_010968029.1
CDO30_RS23125:SDR family oxidoreductase (pseudogene)
CDO30_RS23065:SGNH/GDSL hydrolase family protein; protein_id=WP_010968029.1
CDO30_RS18080:fixL, oxygen sensor histidine kinase FixL; protein_id=WP_010968029.1
CDO30_RS22325:hypothetical protein; protein_id=WP_041170015.1
CDO30_RS21460:malonyl-CoA synthase; protein_id=WP_010967081.1
CDO30_RS22055: class I SAM-dependent methyltransferase; protein_id=WP_010967081.1
CDO30_RS22005:amidase; protein_id=WP_010968222.1
CDO30_RS21460:malonyl-CoA synthase; protein_id=WP_010967081.1
CDO30_RS19190: nodQ, bifunctional sulfate adenylyltransferase/adenylyl-sulfate lyase; protein_id=WP_010967081.1
CDO30_RS19605:stc4, stachydrine N-demethylase reductase subunit Stc4; protein_id=WP_010967081.1
CDO30_RS24215:CopG family transcriptional regulator (pseudogene)
CDO30_RS19555:ccoN, cytochrome-c oxidase%2C cbb3-type subunit I; protein_id=WP_010968188.1
CDO30_RS24970: type II toxin-antitoxin system RelE/ParE family toxin; protein_id=WP_010968188.1
CDO30_RS19120:glmS, glutamine--fructose-6-phosphate transaminase (pseudogene)
CDO30_RS22335:site-specific integrase; protein_id=WP_010968163.1
CDO30_RS20200: type II toxin-antitoxin system RelE/ParE family toxin; protein_id=WP_010968188.1
CDO30_RS21085: class I SAM-dependent methyltransferase; protein_id=WP_010967081.1
CDO30_RS21100: DUF2200 domain-containing protein; protein_id=WP_010967081.1

CDO30_RS20205: type II toxin-antitoxin system ParD family antitoxin; protein_id=WP_010968188.1
CDO30_RS22190: aldo/keto reductase; protein_id=WP_010968188.1
CDO30_RS21175: TRAP transporter small permease; protein_id=WP_010968188.1
CDO30_RS18965: traA, Ti-type conjugative transfer relaxase TraA; protein_id=WP_010967075.1
CDO30_RS21490: S8 family serine peptidase; protein_id=WP_010967075.1
CDO30_RS21375: PhzF family phenazine biosynthesis protein; protein_id=WP_010967097.1
CDO30_RS21370: cold-shock protein; protein_id=WP_010967097.1

psymb



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

CDO30_RS32685:four-carbon acid sugar kinase family protein; protein_id=WP_010975483.1
CDO30_RS27930:LysR family transcriptional regulator; protein_id=WP_010975483.1
CDO30_RS28675:hypothetical protein; protein_id=WP_010975483.1
CDO30_RS32015:sugar ABC transporter substrate-binding protein; protein_id=WP_010975483.1
CDO30_RS27010:sugar ABC transporter ATP-binding protein; protein_id=WP_010975483.1
CDO30_RS25985:NAD(P)/FAD-dependent oxidoreductase; protein_id=WP_010975483.1
CDO30_RS28760:ligD, DNA ligase D; protein_id=WP_041170090.1
CDO30_RS28530:ABC transporter ATP-binding protein; protein_id=WP_010975483.1
CDO30_RS31870:hypothetical protein (pseudogene)
CDO30_RS27355:aspartate aminotransferase family protein; protein_id=WP_010975483.1
CDO30_RS31425:xthA, xanthine dehydrogenase small subunit; protein_id=WP_010975483.1
CDO30_RS31845:glycoside hydrolase family 19 protein (pseudogene)
CDO30_RS27435:four-carbon acid sugar kinase family protein; protein_id=WP_010975483.1
CDO30_RS27440:xanthine dehydrogenase family protein molybdopterin-binding protein; protein_id=WP_010975483.1
CDO30_RS27015:ABC transporter permease; protein_id=WP_010975200.1
CDO30_RS29490:mechanosensitive ion channel family protein; protein_id=WP_010975483.1
CDO30_RS26675:NAD-dependent epimerase/dehydratase family protein; protein_id=WP_010975483.1
CDO30_RS32445:hypothetical protein; protein_id=WP_088239368.1
CDO30_RS27870:Lacl family DNA-binding transcriptional regulator; protein_id=WP_010975483.1
CDO30_RS32205:sugar ABC transporter permease; protein_id=WP_010975483.1
CDO30_RS26745:dihydronicotinate synthase family protein; protein_id=WP_010975483.1
CDO30_RS28005:araG, L-arabinose ABC transporter ATP-binding protein; protein_id=WP_010975483.1
CDO30_RS29535:ABC transporter substrate-binding protein; protein_id=WP_010975483.1
CDO30_RS28095:flavodoxin family protein; protein_id=WP_010975382.1
CDO30_RS29490:mechanosensitive ion channel family protein; protein_id=WP_010975483.1
CDO30_RS29305:amino acid ABC transporter ATP-binding protein; protein_id=WP_010975483.1
CDO30_RS28095:flavodoxin family protein; protein_id=WP_010975382.1
CDO30_RS34595:helix-turn-helix transcriptional regulator (pseudogene)
CDO30_RS27095:sulfatase (pseudogene)
CDO30_RS28760:ligD, DNA ligase D; protein_id=WP_041170090.1
CDO30_RS26680:zinc-binding dehydrogenase; protein_id=WP_010975138.1
CDO30_RS25485:pyridoxamine 5'-phosphate oxidase family protein; protein_id=WP_010975483.1
CDO30_RS31555:MASE1 domain-containing protein; protein_id=WP_010975483.1
CDO30_RS32910:LysR family transcriptional regulator; protein_id=WP_010975483.1
CDO30_RS27435:four-carbon acid sugar kinase family protein; protein_id=WP_010975483.1
CDO30_RS27440:xanthine dehydrogenase family protein molybdopterin-binding protein; protein_id=WP_010975483.1
CDO30_RS32445:hypothetical protein; protein_id=WP_088239368.1
CDO30_RS27310:ABC transporter ATP-binding protein; protein_id=WP_010975483.1
CDO30_RS30150:glycosyltransferase; protein_id=WP_010975739.1
CDO30_RS28530:ABC transporter ATP-binding protein; protein_id=WP_010975483.1
CDO30_RS28740:pepT, peptidase T; protein_id=WP_041170089.1
CDO30_RS27255:hypothetical protein; protein_id=WP_010975237.1