

Supplementary table 4: Functional annotations of genes unique for a single genome. Highlighted by blue = new chewing lice strains. The three pantothenate related genes printed in bold blue.

wMeur1
3-methyl-2-oxobutanoate_hydroxymethyltransferase_EC_2.1.2.11
Ketopantoate_reductase_PanG_EC_1.1.1.169
Pantoate--beta-alanine_ligase_EC_6.3.2.1
34 hypothetical proteins
wMmer
Uroporphyrinogen_III_decarboxylase_EC_4.1.1.37
82 hypothetical proteins
wMeur2
Proton/glutamate_symport_protein_@_Sodium/glutamate_symport_protein
14 hypothetical proteins
wPaur
GTP-binding_protein_Era
LSU_ribosomal_protein_L5p_L11e
30 hypothetical proteins
wAlce
Zinc_ABC_transporter_periplasmic-binding_protein_ZnuA
zinc_protease
Arginyl-tRNA_synthetase_EC_6.1.1.19
Malate_dehydrogenase_EC_1.1.1.37
Phospholipase/carboxylesterase_family_protein_EC_3.1.-.-
tRNA_nucleotidyltransferase_EC_2.7.7.21_EC_2.7.7.25
Phosphoribosylformylglycinamide_cyclo-ligase_EC_6.3.3.1
35 hypothetical proteins
wCle
Hydroxyethylthiazole_kinase_EC_2.7.1.50
Hydroxymethylpyrimidine_phosphate_kinase_ThiD_EC_2.7.4.7
34 hypothetical protein
wMelo
acetyltransferase_GNAT_family
3-oxoacyl-[acyl-carrier_protein]_reductase_EC_1.1.1.100
ATP_synthase_delta_chain_EC_3.6.3.14
Thioredoxin_reductase_EC_1.8.1.9
2_3_4_5-tetrahydropyridine-2_6-dicarboxylate_N-succinyltransferase_EC_2.3.1.117
Phosphate_transport_system_permease_protein_PstC_TC_3.A.1.7.1
Ferric_iron_ABC_transporter_iron-binding_protein
wMelo_-_Lysyl-tRNA_synthetase_class_I_EC_6.1.1.6
D-alanine--D-alanine_ligase_EC_6.3.2.4
DNA_polymerase_III_delta_prime_subunit_EC_2.7.7.7
Uroporphyrinogen-III_synthase_EC_4.2.1.75
rRNA_small_subunit_methyltransferase_H
41 hypothetical proteins
wMhi
Xaa-Pro_aminopeptidase_EC_3.4.11.9
34 hypothetical proteins
wOc
Glycerol-3-phosphate_dehydrogenase_[NAD_P_+]_EC_1.1.1.94
Cytochrome_bd2_subunit_I
putative_Cytochrome_bd2_subunit_II
Osmotically_inducibile_protein_Y_precursor
38 hypothetical proteins