

**Genotypic groups**  
 Mae1 Mae2 (HLG) Mae3\_2 Mae4 Mae5 Mae6 Mae7 Mae8 Mae9 Mft\_ae1 Mft\_ae2 Mft\_ae3 Mft\_ae4 Mft\_ae5 Mft\_ae6 Mve Mve1 Mve2 Mve3 Mve4 Mve5 Mve6 Mve7 Mve8 Mve9 Mve10 Mve11 Mve12 Mve13 Mve14 Mve15 Mve16 Mve17 Mve18 Mve19 Mve20 Mve21 Mve22 Mve23 Mve24 Mve25 Mve26 Mve27 Mve28 Mve29 Mve30 Mve31 Mve32 Mve33 Mve34 Mve35 Mve36 Mve37 Mve38 Mve39 Mve40 Mve41 Mve42 Mve43 Mve44 Mve45 Mve46 Mve47 Mve48 Mve49 Mve50 Mve51 Mve52 Mve53 Mve54 Mve55 Mve56 Mve57 Mve58 Mve59 Mve60 Mve61 Mve62 Mve63 Mve64 Mve65 Mve66 Mve67 Mve68 Mve69 Mve70 Mve71 Mve72 Mve73 Mve74 Mve75 Mve76 Mve77 Mve78 Mve79 Mve80 Mve81 Mve82 Mve83 Mve84 Mve85 Mve86 Mve87 Mve88 Mve89 Mve90 Mve91 Mve92 Mve93 Mve94 Mve95 Mve96 Mve97 Mve98 Mve99 Mve100  
 Unclassified singleton  
 Biosynthetic gene clusters  
 Carbon concentrating mechanisms  
 ROS detoxification  
 N Assimilation  
 N Metabolism  
 N Transport  
 P metabolism and Transport

100 genes  
 0.01 substitutions per nucleotide

