



Supplementary Material

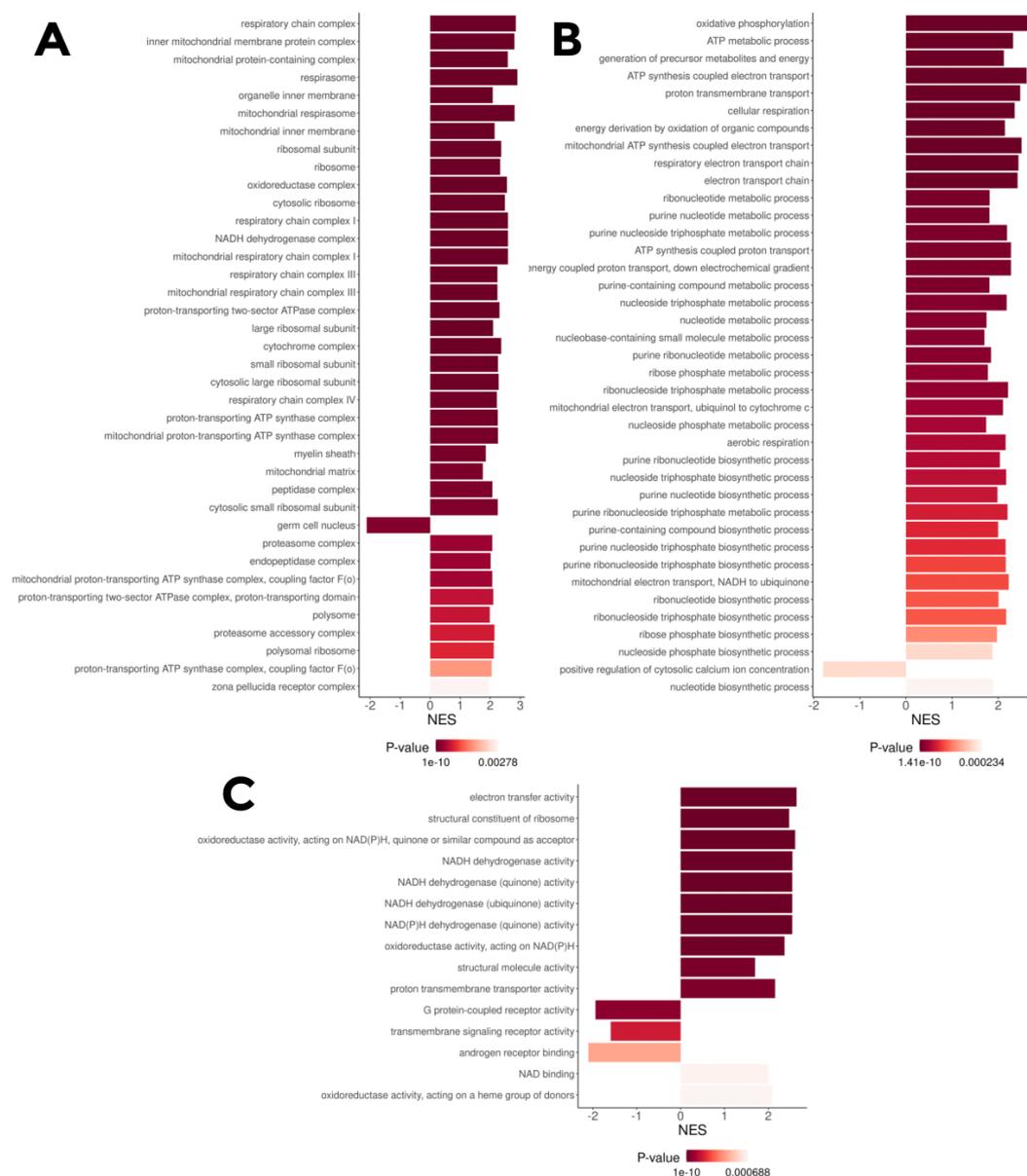
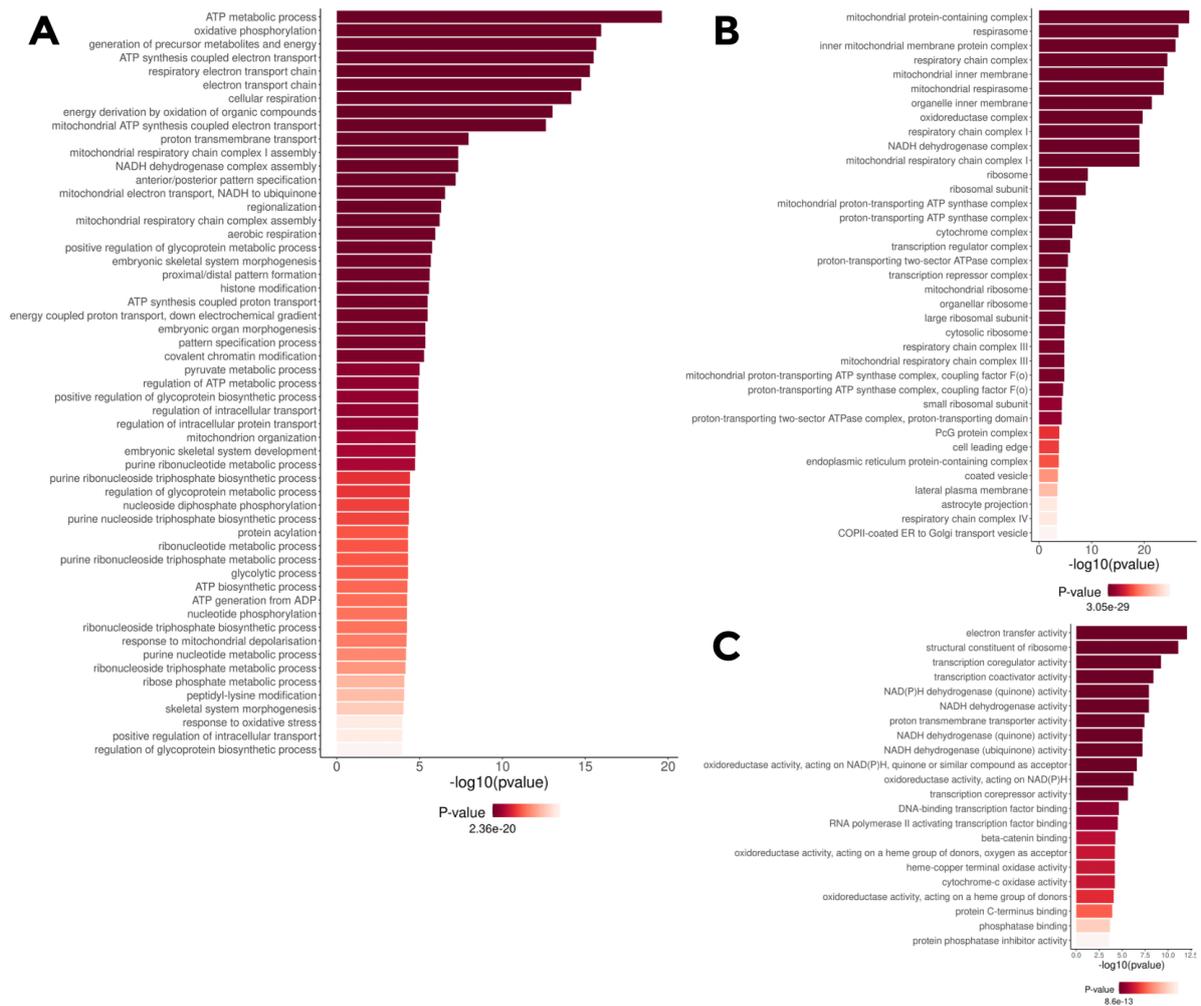


Figure S1. GO terms for which the IRR knockout differential genes under bicarbonate treatment are enriched (fgsea on logFC divided by standard deviation, adjusted $p < 0.05$), NES - normalized enrichment scores (positive - upregulated in knockout, negative - downregulated). A - GO cellular components; B - GO biological process; C - GO molecular function.



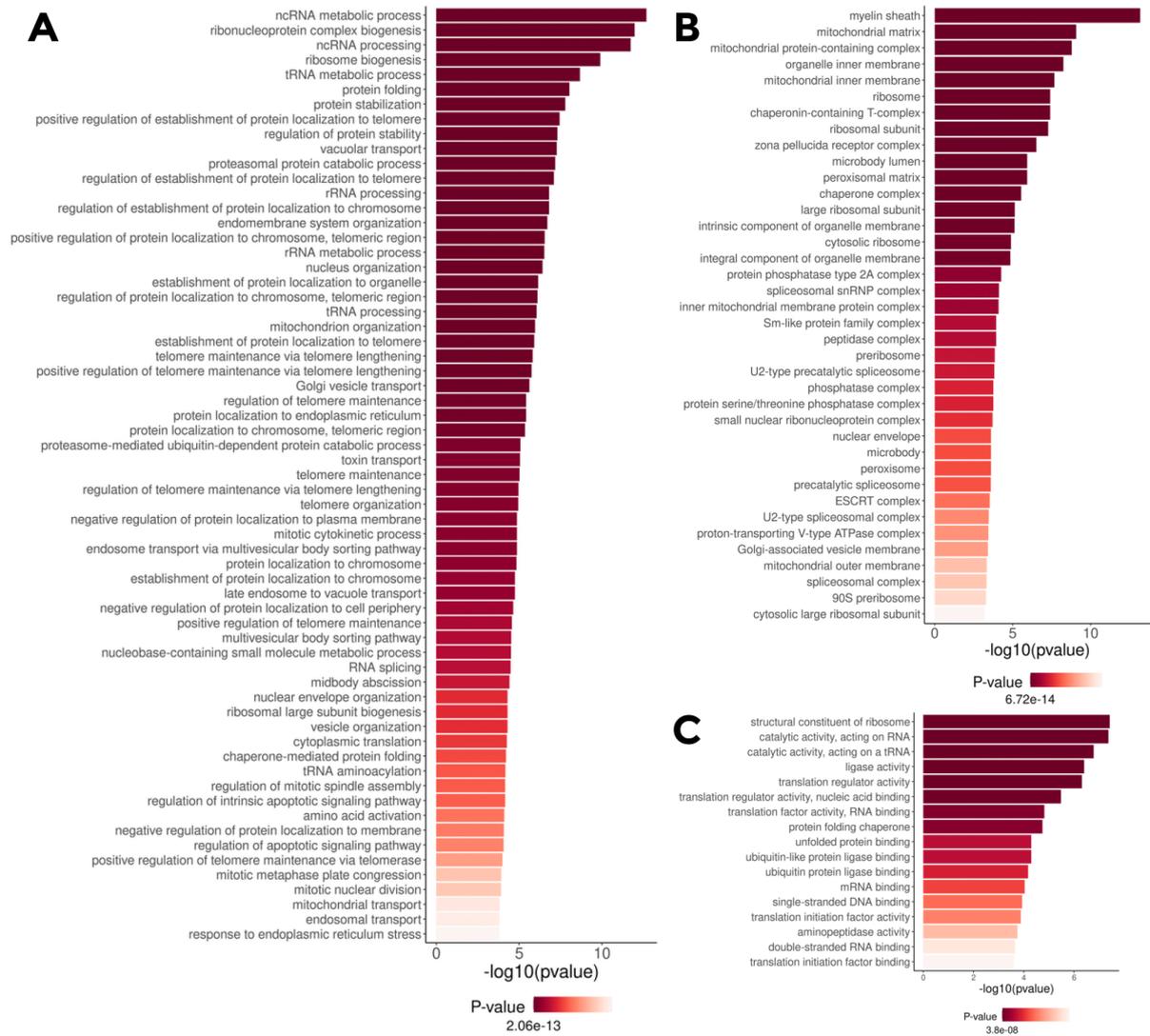


Figure S3. GO terms for which the DE genes from the blue WGCNA module which are highly correlated with the module eigengene are enriched (over-representation test, adjusted $p < 0.01$).