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| **Table S16** Significant enrichment of gene ontology (GO) terms for each pairwise comparison. Only significantly enriched GO terms are listed. The corrected *P*-values (*P*; FDR) and the number of genes is also listed. | | | | |
| **Selection Regime** | **Pairwise Comparison** | **GO Term** | **No. of Query Genes** | ***P*-value** |
| 2,3-Butanedione | BUT+ vs. BUT- | sulfur compound metabolic process (GO:0006790) | 5 | 0.0454 |
| 2,3-Butanedione | BUT- vs. Control | sulfur compound metabolic process (GO:0006790) | 7 | 0.0113 |
| 2,3-Butanedione | BUT- vs. Control | cell-cell adhesion (GO:0016337) | 4 | 0.0457 |
| 2,3-Butanedione | BUT- vs. Control | translation (GO:0006412) | 9 | 0.0287 |
| Cyclohexanone | CYC+ vs. CYC- | sulfur compound metabolic process (GO:0006790) | 4 | 0.0024 |
| Cyclohexanone | CYC+ vs. CYC- | cellular amino acid metabolic process (GO:0006520) | 4 | 0.0374 |
| Cyclohexanone | CYC- vs. Control | RNA metabolic process (GO:0016070) | 19 | 0.0412 |
| Cyclohexanone | CYC- vs. Control | cellular component biogenesis (GO:0044085) | 14 | 0.0096 |
| Cyclohexanone | CYC- vs. Control | nitrogen compound metabolic process (GO:0006807) | 32 | 0.0017 |