Table S7

Common and specific pathways in which enzymes encoded by genes in genomic regions under selection were found for BRE and GH2 strains.

|  |  |
| --- | --- |
| **BRE** | **GH2** |
| **Number of enzymes**  | **Pathways** | **Number of enzymes**  |
| 2 | Purine metabolism | 5 |
| 1 | Riboflavin metabolism | 1 |
| 1 | Butanoate metabolism | 1 |
| 1 | Aminobenzoate degradation | 1 |
| 1 | Carbon fixation pathways in prokaryotes | 1 |
| 1 | N-Glycan biosynthesis | Thiamine metabolism | 1 |
| 1 | Various types of N-glycan biosynthesis | Nicotinate and nicotinamide metabolism | 3 |
| 1 | Terpenoid backbone biosynthesis | Sulfur metabolism | 3 |
| 2 | Glycerolipid metabolism | Glycolysis / Gluconeogenesis | 2 |
| 1 | Cutin, suberine and wax biosynthesis | Pyruvate metabolism | 2 |
| 1 | Alanine, aspartate and glutamate metabolism | Selenocompound metabolism | 1 |
| 1 | Fructose and mannose metabolism | Carbon fixation in photosynthetic organisms | 1 |
| 1 | Amino sugar and nucleotide sugar metabolism | Fatty acid biosynthesis | 2 |
| 1 | Primary bile acid biosynthesis | Phosphatidylinositol signaling system | 2 |
| 1 | Fatty acid elongation | Tetracycline biosynthesis | 1 |
| 1 | Caprolactam degradation | Citrate cycle (TCA cycle) | 1 |
| 1 | Lysine degradation | Propanoate metabolism | 1 |
| 1 | Folate biosynthesis | Pyrimidine metabolism | 1 |
| 1 | Toluene degradation | Fatty acid elongation | 1 |
| 1 | Valine, leucine and isoleucine degradation | Inositol phosphate metabolism | 1 |
| 1 | Geraniol degradation | Glycerophospholipid metabolism | 1 |
| 1 | Zeatin biosynthesis | Biosynthesis of unsaturated fatty acids | 1 |
| 1 | Tryptophan metabolism |  |   |
| 1 | Fatty acid metabolism |  |   |