

Additional File 10: Tables S1. List of genes selected for quantitative PCR.

| Protein Name | ID | Gene | Pathway |
|--------------------------------------|---------------|-------------|---------------------------|
| 1 Glycerol Kinase | YALI1_F00654p | GK | |
| 2 G-3-P dehydrogenase (FAD+) | YALI1_B18499p | GUT2 | G3P pathway |
| 3 G-3-P dehydrogenase (NAD+) | YALI1_B04433p | GPD1/GPD2 | |
| 4 Dihydroxyacetone kinase | YALI1_F12917p | DAK1 / DAK2 | |
| 5 Dihydroxyacetone kinase | YALI1_E24532p | DAK1 / DAK2 | |
| 6 Glycerol Dehydrogenase (NADP+) | YALI1_B09211p | GCY1/YPR1 | DHA pathway |
| 7 Glycerol Dehydrogenase (NADP+) | YALI1_B28394p | GCY1/YPR1 | |
| 8 Arabitol dehydrogenase | YALI1_E15452p | ADH | |
| 9 Aldose reductase (NAD(P)+) | YALI1_D09870p | GRE3 | |
| 10 Aquaglyceroporin | YALI1_F00616p | FPS1 | Glycerol uptake |
| 11 Aquaglyceroporin | YALI1_E06664p | FPS1 | |
| 12 Transketolase | YALI1_E07744p | TKL1 | |
| 13 Transaldolase | YALI1_F20914p | TAL1 | Pentose phosphate pathway |
| 14 Glucose-6-phosphate dehydrogenase | YALI1_E26811p | ZWF1 | |
| 15 6-phosphogluconate dehydrogenase | YALI1_B20462p | GND1 | |
| 16 Actin | Actin 142575p | ACT | Internal control |