Table S3 Genes involved in sulfur metabolism not regulated in our experimental conditions

S. cerevisiae **gene name**	***Y. lipolytica*** **gene name**	**Function-description (SGD)**
MET5	YALI0D11176g	Sulfite reductase beta subunit
MET 8	YALI0E11385g	Bifunctional dehydrogenase and ferrochelatase
MET22	YALI 0F27665g	Bisphosphate-3'-nucleotidase
STR 2	YALI 0D17402g	Cystathionine gamma-synthase
STR3	YALI 0D00605g	Cystathionine beta-lyase
CYS3	YALI 0F05874g	Cystathionine gamma-lyase
CYS4	YALI 0E09108g	Cystathionine beta-synthase
GAD1	YALI0F08415g YALI0C16753g	Glutamate decarboxylase
GSH1	YALI 0E30129g	Gamma-glutamylcysteine synthetase
ECM38	YALI0C11363g	Gamma-glutamyltranspeptidase
MET6	YALI 0E12683g	Cobalamin-independent methionine synthase
SAH1	YALI 0F11759g	*S*-Adenosyl-L-homocysteine hydrolase
SPE2	YALI 0E20361g	*S*-Adenosylmethionine decarboxylase
ARO10	YALI 0D06930g	Phenylpyruvate decarboxylase
(1)	YALI 0C24233g	Serine-*O*-acetyl-transferase
(2)	YALI0F11627g	Cysteine dioxygenase

(1) Serine-*O*-acetyl-transferase. (2) Cysteine dioxygenase. The genes encoding these enzymes are absents in *S. cerevisiae*.