

Supplementary Table S1. Primers used in qRT-PCR studies. Length (L), melting temperature (MT), % GC content (GC), product size (PS), efficiency (E).

	Gene	Gene ID	Sequence	L	MT	GC	PS	E
Beta Tubulin	TUB3	31569	L:AAGGAGGTGGATGATGAGATG	21	58.95	47.62	152	2.03
			R:ATGCAGGTGGAGTTACCAATG	21	59.87	47.62		
Sulphate Transporter 1	Trans1	261147	L:CATTGTCGGTATCGCATCTG	20	60.10	50.00	137	2.02
			R:TCGACATTGAACCACTCACTG	21	59.74	47.62		
Sulphate Transporter 2	Trans2	263781	L:TGTTCCACCATCTTGTGACGAC	22	61.00	45.45	121	1.97
			R:GCACTGATTGTGGTGGACTG	20	60.16	55.00		
ATP Sulphurylase 1	ATPS1	269714	L:AATGGAAGTTCAAAAGGCACTC	22	59.64	40.91	100	1.98
			R:GTTGAAGAAGGGTGTCCGTAG	22	60.03	50.00		
ATP Sulphurylase 2	ATPS2	1326	L:GATGATGTTGACGTGGTTGC	20	59.97	50.00	129	2.04
			R:GTAGGATGGACGAGGACAACCTC	22	60.00	54.55		
APS Reductase 1*	APR1	35690	L:AGTTGGCACGTGAAAATGTG	20	59.62	45.00	127	1.99
			R:GGCTGTACGACAAGTAAGCAAG	22	59.11	50.00		
APS Reductase 2	APR2	24887	L:GAGAGTGCTGGAGTTCCTGTG	21	60.04	57.14	102	2.01
			R:GATGAAGTTGACAGTAGGGAAGC	23	59.30	47.83		
OAS Thiollyase 1*	OASTL1	22293	L:CAATACTTGAAACCTCGCAATC	22	58.77	40.91	156	1.92
			R:CGTCGATTAGAGAAGTGTCTGC	22	59.15	50.00		
OAS Thiollyase 2	OASTL2	31829	L:TGCTTCCTGACACTGGTGAG	20	60.02	55.00	109	1.92
			R:ATCCAACCTGGGAGTGCTACG	20	60.13	55.00		
OAS Thiollyase 3	OASTL3	267987	L:GGATTGTTTCGTCGGATCAAG	20	60.46	50.00	109	1.87
			R:GCCCTCCATCACATAACAACAG	21	60.39	52.38		
Serine Acetyltransferase 1	SAT1	38294	L:AGTTCTCGCGCATTACCTACAG	22	60.81	50.00	121	1.91
			R:CTCTCCAATAACGATCCCTGTG	22	60.87	50.00		
Serine Acetyltransferase 1	SAT2	37497	L:CTCTCGGAGGTACGGGTAAAG	21	60.13	57.14	104	2.01
			R:GCCAACAAAGATATTTCCCAAG	22	59.84	40.91		
Serine Acetyltransferase 3	SAT3	16842	L:GAATGGCAATGTATGTGCAAAG	22	60.38	40.91	120	2.05
			R:TTTACCAATCACCCTCCTC	21	59.96	47.62		
Sulphite Reductase	SiR	31984	L:CCGTGTACTCCTCAACAAGATG	22	59.66	50.00	101	1.96
			R:CCAATTCTGCCATGTAAGGAC	21	59.44	47.62		

*Indicates that the region of amplification includes an intron.