

Primers for verification				
Primer1	Primer2	Expected Size	Expected Size for wild-type BL21(DE3)	Note
AGCTCTTGCACTACCTTTGCATC	ATGCTGGTGGCGTAAAACCTTCG	7873	1359	upper MEV pathway
ACGTTATTCCTCCATAATATCCTCTGTGG	TCATTCTCCATTTCAATGCGTTGTAGC	6207	1213	lower MEV pathway
ATCCACTAAAGCATTACCACTCAG	AATGTTCTGTGAAGGCAGTTTCAG	8353	1406	redox enzyme array
AACCAATCAGGCTTCCTACTTACAGAATTG	ACGACGAACCATGTTTTACCTACTTATCTAATTCGTAATC	8287	n/a	Marionette cluster 1
ACTGGACAGTATTGAATGGACTCTGATCAATG	TGCGACAACCACTGAGAATTTGG	4173	n/a	Marionette cluster 2
AACCAATCAGGCTTCCTACTTACAGAATTG	TGCGACAACCACTGAGAATTTGG	11740	1691	Full Marionette cluster