CDK13-N842S Sequencing Strategy

Sequence Details

Cdk13 WT

GGGACTGCTGGAATCAGGCTTGGTTCATTTTAATGAAAACCATATAAAATCTTTTATGAGACAGCTC
ATGGAAGGCCTGGATTATTGTCATAAGAAGAACTTTTTGCATAGAGATATTAAATGTTCAA**a**TATCcT
tCTAAATAATAGGTATGGATATGAAATTTATGTTTTTAAAGTGTTAATATAATGTATAACTTCCTATAA

Cdk13-N842S-EM1-B6N

GGGACTGCTGGAATCAGGCTTGGTTCATTTTAATGAAAACCATATAAAATCTTTTATGAGACAGCTC
ATGGAAGGCCTGGATTATTGTCATAAGAAGAACTTTTTGCATAGAGATATTAAATGTTCAA**g**TATCtT
gCTAAATAATAGGTATGGATATGAAATTTATGTTTTTAAAGTGTTAATATAATGTATAACTTCCTATAA

Nominated nucleotide changes highlighted in lower case bold, silent changes in lower case.

PCR is performed using KAPA fast Taq polymerase, although alternatives may be used.

CDK13-N842S amplification primers

Cdk13_N842S_F1	AGAGGTGATCTGTTTCAATGGCT
Cdk13_N842S_R1	ATCTGTACAAAAACCTAAAGCTGAA

PCR mix

KAPA Taq PCR master mix	5µl
Cdk13_N842S_F1	0.5µl
Cdk13_N842S_R1	0.5µl
H_2O	3.0µl
DNA	1µl

60TM30FA

1. 95ºC 1min.
2. 95ºC 10sec.
3. **60**ºC 10sec.
4. 72ºC 1sec.
5. Go to 2 for 29 cycles
6. 72ºC 30sec.
7. 16 ºC forever
8. end

CDK13-N842S sequencing primers

Cdk13_N842S_F2	ATGGCTCTCAGAAGAAAACTGCT
Cdk13_N842S_R2	TCTGTACAAAAACCTAAAGCTGAAAT

PCR products selected for sequencing are to be purified and sent to Geneservice (Source Bioscience)

Version No.	1
Date:	27/09/2021
Created/Updated by:	Daniel Ford
Approved by:	Rumana Zaman