

CLINICAL REPORT

Patient Data

Patient
Birthdate
Diagnosis

Mutation load	Number of non-synonyms SNV	5
Number of oncogenes	0	
Number of tumor suppressor genes	1	
Additional information		

Somatic Mutations in Known Driver Genes

List of cancer driver genes along with the mutations observed in the patient. Confidence column shows the number of the driver gene sources that cataloged the corresponding gene as driver and Reference column gives the list of those sources.

Gene	Mutation	Driver Type	Confidence ¹	Reference
ARID1B	p.Asp1747_Glu1749del	TSG	3	1,2,3

Somatic Mutations in Pharmaceutical Target Proteins

Summary of Cancer Drugs Targeting the Affected Genes

List of cancer drugs targeting the mutated gene. Information is obtained from DrugBank, Therapeutic Target Database, IUPAR, and Santos et al.

Gene	Mutation	Therapy	Confidence ²	References
SRMS	p.Glu396Gln	dasatinib	1	4

¹ Confidence shows the number of the driver gene sources that includes the gene. The sources are Vogelstein et al., Rubio-Perez et al., TSGene DB, COSMIC DB, UniProt.

² Confidence shows the total number of the publications that is citing the drug.

CIViC Summary of Drugs Targeting the Affected Genes

Therapies that have evidence of targeting the affected gene. The information is obtained from CIViC database. CIViC evidence levels are given in Evidence column.

Gene	Mutation	Therapy	Disease	Evidence ³	References
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Somatic Mutations with Known Pharmacogenetic Effect

List of drugs that directly targets the observed variant of the gene. The information is obtained from CIViC database. CIViC evidence levels are given in Evidence column.

Gene	Mutation	Therapy	Disease	Evidence ³	References
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References

The publications of the reference IDs given in the tables above.

1	Futreal et al., A census of human cancer genes., Nature reviews. Cancer, 4, 3, 2004				
2	Vogelstein et al., Cancer genome landscapes., Science (New York, N.Y.), 339, 6127, 2013				
3	Rubio et al., In silico prescription of anticancer drugs to cohorts of 28 tumor types reveals targeting opportunities., Cancer cell, 27, 3, 2015				
4	Santos et al., A comprehensive map of molecular drug targets., Nature reviews. Drug discovery, 16, 1, 2017				

Appendix

All the somatic variants of the patient with their dbSNP and COSMIC IDs.

Gene	Mutation	dbSNP	COSMIC
ZDHHC13	p.Pro518LeufsTer7		
SRMS	p.Glu396Gln		COSM339980
ARID1B	p.Asp1747_Glu1749del		
CEP72	p.Arg614Ile		
OTOP2	p.Glu191Lys		COSM5387266

³ [CIViC evidence levels](#) are used. A = Validated association, B = Clinical Evidence, C = Case study, D = Preclinical evidence, E = Inferential association

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