

Supplemental Table S4: Mutations Found In Ovarian Carcinoma Cell Lines

Cell Line / Mutation tested	Present in CCLE	BRAF V599/V600	KRAS G12/G13	ERBB2 ins. 774-781	NRAS.1 G12/G13	NRAS.2 G60/G61	CTNNB1 32,33,34,35,38,41,45	EGFR.1 868	EGFR.2 740-750	EGFR.3 770	PTEN.1 383_391delA GGGACGAA	PTEN.2 130	PTEN.3 173	PTEN.3 233	PIK3CA.1 542-546	PIK3CA.2 1047	PPP2R1A	DICER1.1 1705/1709	DICER1.1 1818/1813	TP53 mutation	TP53 Mutation TYPE	ARID1A Mutations truncating (NS/Frame) mutations only	
A2780	YES	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	p.Q1430* / p.R1721fs
CAOV3	YES	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	
ES-2	YES	V600E	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	p.Q136* Nonsense Mutation
IGROV1	YES	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	p.S241F Missense Mutation
JHOC-5	YES	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	p.Y126C Missense Mutation
JHOC-7	NO	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	
JHOC-9	NO	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	p.E1779*
Kuramochi	YES	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	p.D281Y Missense Mutation
OV90	YES	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	p.S215R Missense Mutation
OVCAR-3	YES	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	p.R248Q Missense Mutation
OVCAR-4	YES	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	p.L130V Missense Mutation
OVCAR-5	NO	nc	G12V	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	
OVCAR-8	YES	nc	nc	W746C	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	p.Y126_splice Splice Site SNP
OVISE	YES	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	
OVMANA	YES	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	p.Q1332* / p.S2264*
OVSAYO	NO	nc	nc	nc	nc	nc	S37F	nc	nc	nc	nc	nc	nc	nc	nc	H1047R	nc	nc	nc	nc	nc	nc	R249M(Hm) Missense Mutation
OVTOKO	YES	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	
RMG-1	YES	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	
RMG-2	NO	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	R183W	nc	nc	nc	nc	nc	
SKOV3	YES	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	H1047Y	nc	nc	nc	nc	nc	nc	p.Q586*
TOV112D	YES	nc	nc	nc	nc	nc	S37A	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	R175H Missense Mutation
TOV21G	YES	nc	G13C	nc	nc	nc	nc	nc	nc	nc	148delG	nc	indel 800del	nc	H1047Y	nc	nc	nc	nc	nc	nc	nc	p.Q548fs / p.N756fs
VOA1056_CL	NO	nc	nc	nc	nc	Q61R	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	
VOA1072_CL	NO	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	R248Q(Hm) Missense Mutation
VOA1312_CL	NO	nc	G12V	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	
VOA1400_CL	NO	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	E198* Nonsense Mutation
VOA1416_CL	NO	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	
2008	NO	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	c.572_574 delCTC (het) / c.673-1 G>T (het, splice site) Nonsense Mutation
COLO-704	YES	nc	nc	nc	nc	nc	nc	nc	nc	nc	R130* (Hm)	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	c.1146delA (het) Nonsense Mutation
COLO-720E	NO	nc	nc	nc	nc	nc	nc	nc	nc	nc	R130* (Hm)	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	p.A138V (het) / c.1118delA (het) Nonsense Mutation
MCAS	YES	nc	G12D	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	H1047R	nc	nc	nc	nc	nc	nc	127bp Del, Ex 4 Nonsense Mutation
HEY	HEY-A1	nc	G12D	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	

NC - no change detected

ERBB2 (W746C) - unknown significance not reported in COSMIC

All mutation are heterozygous unless noted as (Hm) = Homozygous/Hemizygous