

Supplemental Appendix for:
Molecular guided treatments in Gynecologic Oncology analysis of a real-world precision cancer medicine platform
Hossein Taghizadeh et al.

List of gene targets in OncoPrint Comprehensive Assay v3 (Thermo Fisher Scientific, Waltham, MA, USA) – 161 genes

Hotspot genes	Full-length genes	Copy number genes	Gene fusions (inter- and intragenic)
AKT1	ATM	AKT1	ALK
ALK	BAP1	AR	AXL
AR	BRCA1	CCND1	BRAF
ARAF	BRCA2	CCNE1	EGFR
BRAF	CDKN2A	CDK4	ERBB2
BTK	FBXW7	CDK6	ERG
CBL	MSH2	EGFR	ETV1
CDK4	NF1	ERBB2	ETV4
CHEK2	NF2	FGFR1	ETV5
CSF1R	NOTCH1	FGFR2	FGFR1
CTNNB1	PIK3R1	FGFR3	FGFR2
DDR2	PTCH1	FGFR4	FGFR3
EGFR	PTEN	FLT3	NTRK1
ERBB2	RB1	IGF1R	NTRK3
ERBB3	SMARCB1	KIT	PDGFRA
ERBB4	STK11	KRAS	PPARG
ESR1	TP53	MDM2	RAF1
EZH2	TSC1	MDM4	RET
FGFR1	TSC2	MET	ROS1
FGFR2	ARID1A	MYC	AKT2
FGFR3	ATR	MYCL	AR
FLT3	ATRX	MYCN	BRCA1
FOXL2	CDK12	PDGFRA	BRCA2
GATA2	CDKN1B	PIK3CA	CDKN2A
GNA11	CDKN2B	PPARG	ERBB4
GNAQ	CHEK1	TERT	ESR1
GNAS	CREBBP	AKT2	FGR
HNF1A	FANCA	AKT3	FLT3
HRAS	FANCD2	ALK	JAK2
IDH1	FANCI	AXL	KRAS
IDH2	MLH1	BRAF	MDM4
JAK1	MRE11A	CCND2	MET
JAK2	MSH6	CCND3	MYB
JAK3	NBN	CDK2	MYBL1
KDR	NOTCH2	CDKN2A	NF1
KIT	NOTCH3	CDKN2B	NOTCH1
KNSTRN	PALB2	ESR1	NOTCH4
KRAS	PMS2	FGF19	NRG1
MAGOH	POLE	FGF3	NTRK2
MAP2K1	RAD50	FGF3	NUTM1
MAP2K2	RAD51	NTRK1	PDGFRB
MAPK1	RAD51B	NTRK2	PIK3CA
MAX	RAD51C	NTRK3	PRKACA
MED12	RAD51D	PDGFRB	PRKACB
MET	RNF43	PIK3CB	PTEN
MTOR	SETD2	RICTOR	RAD51B
MYD88	SLX4	TSC1	RB1
NFE2L2	SMARCA4	TSC2	RELA
NRAS			RSPO2
PDGFRA			RSPO3
PIK3CA			TERT
PPP2R1A			
PTPN11			
RAC1			
RAF1			

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RET RHEB RHOA SF3B1 SMO SPOP SRC STAT3 U2AF1 XPO1 AKT2 AKT3 AXL CCND1 CDK6 ERCC2 FGFR4 H3F3A HIST1H3B MAP2K4 MDM4 MYC MYCN NTRK1 NTRK2 PDGFRB PIK3CB ROS1 SMAD4 TERT TOP1			
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