

Drug	Gene	Sequence Ontology	Mutation: RefSeq v108	dbNSFP Functional Prediction Voting	
				Predicted Tolerated	Predicted Damaging
Copanlisib	PIK3CA*	Missense	NM_006218.3:c.3140A>T	4 of 5	1 of 5
		Missense	NM_006218.3:c.3140A>G	3 of 5	2 of 5
		Missense	NM_006218.3:c.1633G>A	2 of 5	3 of 5
		Missense	NM_006218.3:c.1624G>A	2 of 5	3 of 5
		Missense	NM_006218.3:c.1616C>G	0 of 5	5 of 5
		Missense	NM_006218.3:c.1173A>G	4 of 5	1 of 5
		Missense	NM_006218.3:c.1048G>A	2 of 5	3 of 5
		Missense	NM_006218.3:c.333G>C	1 of 5	4 of 5
Trametinib	PCDH15	Missense	NM_001142771.1:c.4982A>C	3 of 5	0 of 5
Trametinib	PGR	Missense	NM_000926.4:c.1031G>C	NA	NA
Trametinib	TRIM58*	Missense	NM_015431.3:c.1366C>G	2 of 5	3 of 5
		Missense	NM_015431.3:c.1121C>T	3 of 5	2 of 5
		Missense	NM_015431.3:c.964G>A	4 of 5	1 of 5
		Missense	NM_015431.3:c.8G>C	5 of 5	0 of 5
Trametinib	BCHE*	Missense	NM_000055.3:c.293A>G	1 of 5	4 of 5
		Missense	NM_000055.3:c.635C>T	3 of 5	2 of 5
		Missense	NM_000055.3:c.849G>C	4 of 5	1 of 5
		Missense	NM_000055.3:c.1699G>A	5 of 5	0 of 5
Trametinib	SLC6A5	Missense	NM_004211.4:c.1371G>C	3 of 5	2 of 5
Trametinib	PGR*	Missense	NM_000926.4:c.557C>T	2 of 5	3 of 5
		Missense	NM_000926.4:c.1031G>C	3 of 5	2 of 5
		Missense	NM_000926.4:c.1040G>C	4 of 5	1 of 5
		Missense	NM_000926.4:c.1075C>A	1 of 5	4 of 5
		Missense	NM_000926.4:c.1300C>T	3 of 5	2 of 5
		Missense	NM_000926.4:c.1978G>T	3 of 5	2 of 5
Trametinib	ZFHX3*	Missense	NM_006885.3:c.185C>T	4 of 5	1 of 5
		Missense	NM_006885.3:c.214T>G	4 of 5	1 of 5
		Missense	NM_006885.3:c.337G>A	4 of 5	1 of 5
		Missense	NM_006885.3:c.1378G>C	2 of 5	3 of 5
		Missense	NM_006885.3:c.1492G>A	3 of 5	2 of 5
		Loss of Function	NM_006885.3:c.2096delG	NA	NA
		Missense	NM_006885.3:c.2345C>T	3 of 5	2 of 5
		Missense	NM_006885.3:c.2989G>T	2 of 5	3 of 5
		Missense	NM_006885.3:c.5026A>G	5 of 5	0 of 5
		Missense	NM_006885.3:c.5218_5223delCAACAA	NA	NA
		Missense	NM_006885.3:c.5221_5223dupCAA	NA	NA
		Missense	NM_006885.3:c.6335C>A	3 of 5	2 of 5
		Missense	NM_006885.3:c.7193C>A	3 of 5	2 of 5
		Missense	NM_006885.3:c.7750C>A	4 of 5	1 of 5
		Missense	NM_006885.3:c.8707A>G	4 of 5	1 of 5
		Missense	NM_006885.3:c.9130T>G	2 of 5	3 of 5
Missense	NM_006885.3:c.9606_9611delGCAGCA	NA	NA		
Missense	NM_006885.3:c.9609_9611dupGCA	NA	NA		
TAK228	WRN*	Missense	NM_000553.4:c.4099T>C	2 of 5	3 of 5
		Missense	NM_000553.4:c.3222G>T	5 of 5	0 of 5
		Missense	NM_000553.4:c.2950T>A	2 of 5	3 of 5
		Missense	NM_000553.4:c.2291A>G	5 of 5	0 of 5
		Missense	NM_000553.4:c.1530_1532delAGA	NA	NA
		Missense	NM_000553.4:c.1161G>A	5 of 5	0 of 5
		Missense	NM_000553.4:c.340G>A	5 of 5	0 of 5
Docetaxel	SMAD7	Missense	NM_005904.3:c.668-21C>T	NA	NA

