



Calgary Molecular Pathology-FMC custom Sarcoma Panel v1.0: Panel content

Gene	Amino Acid Position	Mutation	Gene Position (CDS)	Comments
CTNNB1	p.D32N		c.94G>A	
	p.S33F		c.98C>T	
	p.D32Y		c.94G>T	
	p.S33C		c.98C>G	
	p.G34E		c.101G>A	
	p.G34V		c.101G>T	
	p.S37F		c.110C>T	
	p.S37C		c.110C>G	
	p.S45P		c.133T>C	
	p.S45F		c.134C>T	
	p.T41A		c.121A>G	
	p.T41I		c.122C>T	
GNAS	p.R201C		c.601C>T	
	p.R201H		c.602G>A	
IDH1	p.R132C		c.394C>T	
	p.R132S		c.394C>A	
	p.R132G		c.394C>G	
	p.R132L		c.395G>T	
	p.R132H		c.395G>A	
	p.R132P		c.395G>C	
IDH2	p.R140G		c.418C>G	
	p.R140W		c.418C>T	
	p.R140L		c.419G>T	
	p.R140Q		c.419G>A	
	p.R172M		c.515G>T	
	p.R172K		c.515G>A	
	p.R172T		c.515G>C	
	p.R172S		c.516G>C	
	p.R172G		c.514A>G	
	p.R172W		c.514A>T	
KIT	p.D816V		c.2447A>T	
	p.D820Y		c.2458G>T	
	p.K642E		c.1924A>G	
	p.L576P		c.1727T>C	
	p.N822K		c.2466T>G	
	p.V825A		c.2474T>C	
	p.V559D		c.1676T>A	
	p.V560D		c.1679T>A	
	p.V654A		c.1961T>C	



**Sarcoma Mutation Panel
Information for Ordering Providers**

Gene	Mutation		Comments
	Amino Acid Position	Gene Position (CDS)	
	p.W557_K558del	c.1669_1674delTGGAAG	
	p.W557R	c.1669T>C	
	p.W557R	c.1669T>A	
	p.WRR7G	c.1669T>G	
	p.V559A	c.1676T>C	
	p.V559D	c.1676T>A	
	p.V559G	c.1676T>G	
	p.Y503_F504insAY	c.1509_1510insGCCTAT	
	p.D1071N	c.3211G>A	
	p.D842_H845del		
PDGFRA	p.D842V	c.2525A>T	
	p.E996K	c.2986G>A	
	p.S566_E571		
	p.V561D	c.1682T>A	
	p.V824V	c.2472C>T	

Contact Information

Alberta Precision Laboratories (APL), Molecular Pathology Laboratory Foothills Medical Center (FMC)
403-220-4240