

Seraseq[®] Myeloid Mutation DNA Mix

For Research Use Only. Not for use in diagnostic procedures.

This product contains purified genomic DNA from GM24385 cells and DNA plasmids of myeloid variants.

This file lists the genomic coordinates for the DNA sequences included in the material number 0710-0408

Gene	Nucleotide change	Protein change	Transcript	Chromosome	GRCh37	GRCh38	COSMIC ID	Type of nucleotide alteration
ABL1	c.944C>T	p.T315I	NM_005157.6	9	133,748,283	130,872,896	COSM12560	SNV
ASXL1	c.1900_1922del	p.E635Rfs*15	NM_015338.6	20	31,022,402	32,434,599	COSM36165	Deletion
ASXL1	c.1934dup	p.G646Wfs*12	NM_015338.6	20	31,022,441	32,434,638	COSM34210	Insertion
BRAF	c.1799T>A	p.V600E	NM_004333.6	7	140,453,136	140,753,336	COSM476	SNV
CALR	c.1099_1150del	p.L367Tfs*46	NM_004343.4	19	13,054,564	12,943,750	COSM1738055	Deletion
CBL	c.1139T>C	p.L380P	NM_005188.4	11	119,148,919	119,278,209	COSM34055	SNV
CBL	c.1259G>A	p.R420Q	NM_005188.4	11	119,149,251	119,278,541	COSM34077	SNV
CEBPA	c.68dup	p.H24Afs*84	NM_004364.5	19	33,793,252	33,302,346	COSM18922	Insertion
CEBPA	c.937_939dup	p.K313dup	NM_004364.5	19	33,792,381	33,301,475	COSM6152	Insertion
CSF3R	c.1853C>T	p.T618I	NM_156039.3	1	36,933,434	36,467,833	COSM1737962	SNV
FLT3	c.1759_1800dup	p.N587_D600dup	NM_004119.3	13	28,608,255	28,034,118	COSM250173	Insertion
FLT3	c.1806_1807insGGGGCTTT CAGAGAATATGAATATGATC TCAAA	p.K602_W603insGAFRE YEYDLK	NM_004119.3	13	28,608,249	28,034,112	N/A	Insertion
FLT3	c.2503G>T	p.D835Y	NM_004119.3	13	28,592,642	28,018,505	COSM783	SNV
IDH1	c.394C>T	p.R132C	NM_005896.4	2	209,113,113	208,248,389	COSM28747	SNV
JAK2	c.1624_1629del	p.N542_E543del	NM_004972.4	9	5,070,033	5,070,033	COSM24440	Deletion
JAK2	c.1849G>T	p.V617F	NM_004972.4	9	5,073,770	5,073,770	COSM12600	SNV
MPL	c.1544G>T	p.W515L	NM_005373.3	1	43,815,009	43,349,338	COSM18918	SNV
MYD88	c.755T>C	p.L252P	NM_002468.5	3	38,182,641	38,141,150	COSM85940	SNV
NPM1	c.860_863dup	p.W288Cfs*12	NM_002520.7	5	170,837,543	171,410,539	COSM17559	Insertion
SF3B1	c.1998G>T	p.K666N	NM_012433.4	2	198,267,359	197,402,635	COSM131557	SNV
SF3B1	c.2098A>G	p.K700E	NM_012433.4	2	198,266,834	197,402,110	COSM84677	SNV
SRSF2	c.284_307del	p.P95_R102del	NM_003016.4	17	74,732,935	76,736,853	COSM146289	Deletion
U2AF1	c.101C>T	p.S34F	NM_006758.3	21	21:44524456	21:34104346	COSM166866	SNV



Genomic coordinates use the 1-based coordinate system.

Technical Spreadsheet for
SeraSeq Myeloid Mutation DNA Mix

