Seraseq® Lymphoma FFPE Reference Material and DNA Mutation Mix

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

These products contain either cells in FFPE or purified genomic DNA from GM24385 and plasmids of lymphoma variants.
This file lists the genomic coordinates for the DNA sequences included in the material numbers 0710-2202 and 0710-2203

Gene	Nucleotide change	Protein change	Transcript	Chromosome	GRCh37	GRCh38	COSMIC ID	Type of nucleotide alteration
BCL2	c.302G>C	p.G101A	NM_000633.3	15	15:60985598	15:63318365	COSM5653732	SNV
BRAF	c.1799T>A	p.V600E	NM_004333.6	7	7:140453136	7:140753336	COSM476	SNV
CXCR4	c.1013C>A	p.S338*	NM_003467.3	2	2:136872485	2:136114915	COSM5981985	SNV
CXCR4	c.1013C>G	p.S338*	NM_003467.3	2	2:136872485	2:136114915	COSM5981986	SNV
DNMT3A	c.2645G>A	p.R882H	NM_175629.2	2	2:25457242	2:25234373	COSM52944	SNV
EZH2	c.1922A>T	p.E641V	NM_004456.5	7	7:148508742	7:148811650	COSM1272063	SNV
IDH2	c.515G>A	p.R172K	NM_002168.4	15	15:90631838	15:90088606	COSM33733	SNV
MYD88	c.755T>C	p.L252P	NM_002468.5	3	3:38182641	3:38141150	COSM85940	SNV
NOTCH1	c.7541_7542del	p.P2514Rfs*4	NM_017617.5	9	9:139390649_139390650	9:136496197_136496198	COSM12774	Deletion
NOTCH2	c.7198C>T	p.R2400*	NM_024408.4	1	1:120458147	1:119915524	COSM36210	SNV
RHOA	c.50G>T	p.G17V	NM_001664.4	3	3:49412973	3:49375540	COSM78415	SNV
SF3B1	c.2098A>G	p.K700E	NM_012433.4	2	2:198266834	2:197402110	COSM84677	SNV
STAT3	c.1919A>T	p.Y640F	NM_139276.3	17	17:40474482	17:49375540	COSM1155743	SNV
STAT3	c.1940A>T	p.N647I	NM_139276.3	17	17:40474461	17:49375519	COSM1155744	SNV
STAT3	c.1982A>T	p.D661V	NM_139276.3	17	17:40474419	17:49375477	COSM1155730	SNV
STAT5B	c.1924A>C	p.N642H	NM_012448.4	17	17:40359729	17:42207711	COSM1716590	SNV
STAT5B	c.1994A>T	p.Y665F	NM_012448.4	17	17:40359659	17:42207641	COSM1716592	SNV
TP53	c.743G>A	p.R248Q	NM_000546.6	17	17:7577538	17:7674220	COSM10662	SNV
TP53	c.818G>A	p.R273H	NM_000546.6	17	17:7577120	17:7673802	COSM10660	SNV
TP53	c.820del	p.V274Ffs*71	NM_000546.6	17	17:7577118	17:7673800	COSM43974	Deletion
BIRC3::MALT1			NM_001165.5::NM_006785.4	11	11:102203657::18:56377246	11:102332926::18:58710014		Translocation
CCND1::CDC42BPB			NM_053056.3::NM_006035.4	11	11:69466207::14:103522502	11:69651439::14:103056165		Translocation
HSP90AA1::BCL6			NM_005348.4::NM_001706.5	14	14:102553145::3:187462290	14:102086808::3:187744502		Translocation
MYC::IGH			NM_002467.6	8	8:128748075::14:106325750	8:127735829::14:105859581		Translocation
NPM1::ALK			NM_002520.7::NM_004304.5	5	5:170819226::2:29447374	5:171392222::2:29224508	COSM17559	Translocation

TBL1XR1::TP63	NM_024665.7::NM_003722.5	3	3:176766199::3:189507220	3:177048411::3:189789431	Translocation

Translocation	5' Transcript	5' Breakpoint GRCh37	3' Breakpoint GRCh37	3' Transcript	5' Breakpoint GRCh37	3' Breakpoint GRCh37
BIRC3::MALT1	NM_001165.5	11:102203657	18:56377246	NM_006785.4	11:102332926	18:58710014
CCND1::CDC42BPB	NM_053056.3	11:69466207	14:103522502	NM_006035.4	11:69651439	14:103056165
HSP90AA1::BCL6	NM_005348.4	14:102553145	3:187462290	NM_001706.5	14:102086808	3:187744502
MYC::IGH	NM_002467.6	8:128748075	14:106325750	Between IGHM and IGHJ6	8:127735829	14:105859581
NPM1::ALK	NM_002520.7	5:170819226	2:29447374	NM_004304.5	5:171392222	2:29224508
TBL1XR1::TP63	NM_024665.7	3:176766199	3:189507220	NM_003722.5	3:177048411	3:189789431

Genomic coordinates use the 1-based coordinate system.