

Seraseq[®] Myeloid Fusion RNA Mix

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

These products contain purified total RNA from GM24385 cells and in vitro transcribed RNAs of myeloid fusion transcripts.

This file lists the genomic coordinates of the fusion breakpoints of the IVT-RNA sequences included in this product (material number 0710-0407).

Fusion	5' Transcript	5' Partner Exon	5' Breakpoint GRCh37	5' Breakpoint GRCh38	3' Transcript	3' Partner Exon	3' Breakpoint GRCh37	3' Breakpoint GRCh38
BCR::ABL1	NM_004327.4	BCR exon 14	22:23632600	22:23290413	NM_005157.6	ABL1 exon 2	9:133729451	9:130854064
ETV6::ABL1	NM_001987.5	ETV6 exon 4	12:12006495	12:11853561	NM_005157.6	ABL1 exon 2	9:133729451	9:130854064
ETV6::ABL1	NM_001987.5	ETV6 exon 5	12:12022903	12:11869969	NM_005157.6	ABL1 exon 2	9:133729451	9:130854064
FIP1L1::PDGFRA	NM_030917.4	FIP1L1 exon 11	4:54280889	4:53414722	NM_006206.6	PDGFRA exon 12	4:55141052	4:54274885
KAT6A::CREBBP*	NM_006766.5	KAT6A exon 16	8:41794774	8:41937256	NM_004380.3	CREBBP exon 2	16:3901010	16:3851009
PCM1::JAK2	NM_006197.4	PCM1 exon 23	8:17830196	8:17972687	NM_004972.4	JAK2 exon 12	9:5069925	9:5069925
PML::RAR α **	NM_033238.3	PML exon 6	15:74325744	15:74033403	NM_000964.4	RARA intron 2	17:38499690	17:40343438
RUNX1::RUNX1T1	NM_001754.5	RUNX1 exon 6	21:36231771	21:34859474	NM_004349.4	RUNX1T1 exon 2	8:93029591	8:92017363
TCF3::PBX1	NM_003200.5	TCF3 exon 16	19:1619110	19:1619111	NM_002585.4	PBX1 exon 3	1:164761731	1:164792494

Genomic coordinates use the 1-based coordinate system.

*previously MYST3-CREBBP

**From PML exon 6 to 134 nt of RAR α intron 2, ins134bp, then a new splice to exon 3