



## Serseq® Whole Transcriptome RNA Seq Mix Synthetic Construct Information

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

This product contains total RNA from GM24385 cells and *in vitro* transcribed fusion RNAs.

This file lists the chromosomal coordinates corresponding to fusion break points for the *in vitro* transcribed RNA sequences included in the product.

Coordinates are based upon the June 2013 Human Genome Assembly (GRCh37.p13) build

RNA Fusion	5' Partner	5' Partner Last Base (Hg19)	3' Partner	3' Partner First Base (Hg19)	Fusion Name (constructs contain only ~400 nt around break point)
BCR-ABL1	BCR exon 14	chr22:23632600:+	ABL1 exon 2	chr9:133729451:+	ENST00000305877.8.r.?_2782::ENST00000318560.5.r.80_?
CCDC6-RET	CCDC6 exon 1	chr10:61665880:-	RET exon 12	chr10:43612032:+	ENST00000263102.6.r.?_303::ENST00000355710.3.r.2137_?
CD74-ROS1	CD74 exon 6	chr5:149784243:-	ROS1 exon 34	chr6:117645578:-	ENST00000009530.7.r.?_625::ENST00000368508.3.r.5558_?
EML4-ALK	EML4 exon 14	chr2:42522656:+	ALK exon 20	chr2:29446394:-	ENST00000401738.3.r.?_1522::ENST00000389048.3.r.3173_?
ETV6-ABL1 (transcript 1)	ETV6 exon 4	chr12:12006495:+	ABL1 exon 2	chr9:133729451:+	ENST00000396373.4.r.?_463::ENST00000318560.5.r.80_?
ETV6-ABL1 (transcript 2)	ETV6 exon 5	chr12:12022903:+	ABL1 exon 2	chr9:133729451:+	ENST00000396373.4.r.?_1009::ENST00000318560.5.r.80_?
ETV6-NTRK3	ETV6 exon 5	chr12:12022903:+	NTRK3 exon 13	chr15:88483984:-	ENST00000396373.4.r.?_1009::ENST00000357724.2.r.1562_?
FGFR3-TACC3	FGFR3 exon 17	chr4:1808661:+	TACC3 exon 11	chr4:1741429:+	ENST00000340107.4.r.?_2280::ENST00000313288.4.r.1942_?
KIF5B-RET	KIF5B exon 24	chr10:32306071:-	RET exon 11	chr10:43609928:+	ENST00000302418.4.r.?_2761::ENST00000355710.3.r.1880_?
LMNA-NTRK1	LMNA exon 2	chr1:156100564:+	NTRK1 exon 10	chr1:156844698:+	ENST00000361308.4.r.?_513::ENST00000358660.3.r.1234_?
LMNA-NTRK1	LMNA exon 11	chr1:156108398:+	NTRK1 exon 10	chr1:156844698:+	ENST00000368299.3.r.?_1818::ENST00000358660.3.r.1234_?
MEF2D-CSF1R	MEF2D exon 7	chr1:156446804:-	CSF1R exon 12	chr5:149441412:-	ENST00000348159.4.r.?_855::ENST00000286301.3.r.1627_?
MET ex 14 Skipping	MET exon 13	chr7:116411708:+	MET exon 15	chr7:116414935:+	ENST00000318493.6.r.2942_3082del or ENST00000397752.3.r.2888_3028del
NACC2-NTRK2	NACC2 exon 5	chr9:138905045:-	NTRK2 exon 11	chr9:87359888:+	ENST00000277554.2.r.?_1255::ENST00000277120.3.r.1196_?