Fusion_partner1	Fusion_partner2	Coordinate1(hg19)	Coordinate2	Direc	Repeat	SelfChain	Type	Strand	Spanning_nR	Encompassing_nR	Total_nR	Spanning_R	Spanning_Score
ENSG00000143924(EML4)	ENSG00000171094(ALK)	chr2:42522660	chr2:29446396	->->	NN	NN	Intra_C	st_sing	29	34	63	54	16.8
ENSG00000211678(IGLJ3)	IGR*	chr22:23247170	chr22:22724455	<--	NN	CC	Intra_C	st_both	55	0	55	453	33.8
ENSG00000056487(PHF21B)	ENSG00000134531(EMP1)	chr22:45281091	chr12:13364523	-><-	NN	NN	Inter_C	st_sing	43	0	43	130	27.8
ENSG00000186716(BCR)	ENSG00000100359(SGSM3)	chr22:23524427	chr22:40796697	->->	NR	CN	Intra_C	st_sing	20	13	33	47	12
ENSG00000056487(PHF21B)	ENSG00000134531(EMP1)	chr22:45281021	chr12:13364523	-><-	NN	NN	Inter_C	st_sing	15	18	33	25	10.2
ENSG00000075240(GRAMD4)	ENSG00000069493(CLEC2D)	chr22:47057341	chr12:9833516	->->	NN	NN	Inter_C	st_both	12	4	16	27	7.2
ENSG00000099940(SNAP29)	ENSG00000075275(CELSR1)	chr22:21235423	chr22:46835311	->->	NN	CN	Intra_C	st_sing	8	6	14	13	4.7
ENSG00000151665(PIGF)	ENSG00000115561(CHMP3)	chr2:46844109	chr2:86756524	->->	NN	NN	Intra_C	st_sing	9	2	11	16	6
ENSG00000213753(AC016629.2)	ENSG00000177182(CLVS1)	chr19:59086955	chr8:62412012	->->	NN	NN	Inter_C	st_sing	4	7	11	6	2.8
ENSG00000196498(NCOR2)	ENSG00000011422(PLAUR)	chr12:124824840	chr19:44174242	->->	NR	NC	Inter_C	st_both	9	0	9	13	5.2
ENSG00000070756(PABPC1)	ENSG00000127022(CANX)	chr8:101719225	chr5:179147471	<-->	NN	CN	Inter_C	st_sing	8	0	8	409	2.6
ENSG00000174437(ATP2A2)	ENSG00000157227(MMP14)	chr12:110719260	chr14:23315350	->->	NN	NN	Inter_C	st_both	6	1	7	7	4.1
ENSG00000011600(TYROBP)	ENSG00000111676(ATN1)	chr19:36398377	chr12:7046671	->->	NN	CN	Inter_C	st_sing	7	0	7	10	4
ENSG00000160216(AGPAT3)	ENSG00000171345(KRT19)	chr21:45404936	chr17:39684131	->->	NN	NC	Inter_C	st_sing	6	1	7	6	3.5
ENSG00000167658(EEF2)	ENSG00000113140(SPARC)	chr19:3982247	chr5:151046071	->->	NN	CN	Inter_C	st_sing	6	0	6	149	2.1
ENSG00000113140(SPARC)	ENSG00000182871(COL18A1)	chr5:151055725	chr21:46925136	->->	NN	NN	Inter_C	st_both	5	0	5	9	2.5
ENSG00000135480(KRT7)	ENSG00000035862(TIMP2)	chr12:52627127	chr17:76921164	->->	NN	NN	Inter_C	st_sing	5	0	5	9	2.1
ENSG00000168056(LTBP3)	IGR*	chr11:65307233	chr10:104404109	<--	NN	CN	Inter_C	st_both	4	1	5	5	2.1
ENSG00000128394(APOBEC3F)	ENSG00000100241(SBF1)	chr22:39441547	chr22:50895545	->->	NN	CC	Intra_C	st_sing	3	2	5	6	2
ENSG00000105701(FKBP8)	ENSG00000136830(FAM129B)	chr19:18652552	chr9:130331236	->->	NR	CN	Inter_C	st_sing	4	0	4	6	2.1
ENSG00000170889(RPS9)	ENSG00000104529(EEF1D)	chr19:54711356	chr8:144679594	->->	NN	CN	Inter_C	st_both	2	2	4	4	0.9
ENSG00000197756(RPL37A)	ENSG00000197956(S100A6)	chr2:217364695	chr1:153508467	<-->	NN	CN	Inter_C	st_sing	3	0	3	14	2.7
ENSG00000011105(TSPAN9)	ENSG00000054611(TBC1D22A)	chr12:3310422	chr22:47432966	->->	NN	NN	Inter_C	st_sing	3	0	3	5	2
ENSG00000011105(TSPAN9)	ENSG00000054611(TBC1D22A)	chr12:3315584	chr22:47432965	->->	NN	NN	Inter_C	st_sing	3	0	3	7	1.5
ENSG00000161013(MGAT4B)	ENSG00000103187(COTL1)	chr5:179233767	chr16:84651556	->->	NN	NN	Inter_C	st_sing	2	1	3	2	1.3
ENSG00000103202(NME4)	ENSG00000165280(VCP)	chr16:450383	chr9:35057528	<-->	NN	NN	Inter_C	st_sing	2	0	2	7	1.9
ENSG00000048828(FAM120A)	ENSG00000142687(KIAA0319L)	chr9:96291858	chr1:35899613	->->	NN	CN	Inter_C	st_sing	2	0	2	5	1.9
ENSG00000107581(EIF3A)	ENSG00000161921(CXCL16)	chr10:120809349	chr17:4637084	<-->	NN	NN	Inter_C	st_sing	2	0	2	5	1.9
ENSG00000119699(TGFB3)	ENSG00000142459(EVI5L)	chr14:76447582	chr19:7923126	<-->	NN	NN	Inter_C	st_sing	2	0	2	4	1.7
ENSG00000108821(COL1A1)	ENSG00000160408(ST6GALNAC6)	chr17:48261755	chr9:130660285	<-->	NR	NN	Inter_C	st_both	2	0	2	6	1.6
ENSG00000186976(EFCAB6)	ENSG00000241973(PI4KA)	chr22:44208047	chr22:21127933	-><-	NN	NC	Intra_C	st_sing	2	0	2	2	1.5
ENSG00000237214(RP11-12M9.3)	ENSG00000104529(EEF1D)	chr22:41460538	chr8:144679591	->->	NN	CN	Inter_C	st_sing	2	0	2	4	1.4
ENSG00000197562(RAB40C)	ENSG00000070476(ZXDC)	chr16:677508	chr3:126194355	->->	NR	NC	Inter_C	st_sing	2	0	2	3	1.4
ENSG00000101608(MYL12A)	ENSG00000171992(SYNPO)	chr18:3247846	chr5:150028325	<-->	NN	NN	Inter_C	st_sing	2	0	2	5	1.4
ENSG00000114019(AMOTL2)	ENSG00000103549(RNF40)	chr3:134090181	chr16:30777829	->->	NN	NC	Inter_C	st_sing	2	0	2	4	1.3
ENSG00000179218(CALR)	ENSG00000167658(EEF2)	chr19:13054690	chr19:3978042	->->	RN	NC	Intra_C	st_sing	2	0	2	5	1.3
ENSG00000143554(SLC27A3)	ENSG00000167617(CDC42EP5)	chr1:153750675	chr19:54976488	<-->	NN	NC	Inter_C	st_sing	2	0	2	3	1.3
ENSG00000100345(MYH9)	ENSG00000204406(MBD5)	chr22:36688226	chr2:148779152	<-->	NR	NC	Inter_C	st_sing	2	0	2	3	1.2
ENSG00000087086(FTL)	ENSG00000108679(LGALS3BP)	chr19:49469629	chr17:76972239	<-->	NN	CN	Inter_C	st_sing	2	0	2	5	1.2
ENSG00000142871(CYR61)	ENSG00000149716(ORAOV1)	chr1:86046530	chr11:69469092	<-->	NN	NC	Inter_C	st_both	2	0	2	3	1

IGR*: InterGenic Region

also found by TopHat-Fusion

Found by other tools (not by tophat-fusion)

nR: none-Redandant supporting reads