

Supplementary Table 2. Twenty-seven kinds of fusion subtypes

Fusion genes (# Subtype)	Subtypes defined by specific gene fusions	Reference
<i>THADA-IGF2BP3</i> (4)	<i>THADA</i> (exon 30) – <i>IGF2BP3</i> (exon 3) <i>THADA</i> (exon 31) – <i>IGF2BP3</i> (exon 2) <i>THADA</i> (exon 36) – <i>IGF2BP3</i> (exon 3) <i>THADA</i> (exon 36) – <i>IGF2BP3</i> (exon 2)	[1,2]
<i>THADA-LOC389473</i> (2)	<i>THADA</i> (exon 28) – <i>LOC389473</i> <i>THADA</i> (exon 29) – <i>LOC389473</i>	[1]
<i>CCDC6-RET</i> (3)	<i>CCDC6</i> (exon 1) – <i>RET</i> (exon 12) <i>CCDC6</i> (exon 2) – <i>RET</i> (exon 12) <i>CCDC6</i> (exon 8) – <i>RET</i> (exon 11)	[3-9]
<i>NCOA4-RET</i> (2)	<i>NCOA4</i> (exon 8) – <i>RET</i> (exon 12) <i>NCOA4</i> (exon 7) – <i>RET</i> (exon 12)	[10-12]
<i>SND1-BRAF</i> (2)	<i>SND1</i> (exon 10) – <i>BRAF</i> (exon 9) <i>SND1</i> (exon 18) – <i>BRAF</i> (exon 10)	[12,13]
<i>EML4-ALK</i> (4)	<i>EML4</i> (exon 13) – <i>ALK</i> (exon 20) <i>EML4</i> (exon 20) – <i>ALK</i> (exon 20) <i>EML4</i> (exon 6) – <i>ALK</i> (exon 17) <i>EML4</i> (exon 6) – <i>ALK</i> (exon 20)	[6,14-16]
<i>TPR-NTRK1</i> (2)	<i>TPR</i> (exon 21) – <i>NTRK1</i> (exon 10) <i>TPR</i> (exon 6) – <i>NTRK1</i> (exon 12)	[17,18]
<i>SQSTM1-NTRK1</i> (2)	<i>SQSTM1</i> (exon 6) – <i>NTRK1</i> (exon 10) <i>SQSTM1</i> (exon 6) – <i>NTRK1</i> (exon 12)	[12,13]
<i>ETV6-NTRK3</i> (2)	<i>ETV6</i> (exon 4) – <i>NTRK3</i> (exon 14) <i>ETV6</i> (exon 5) – <i>NTRK3</i> (exon 14)	[19,20]
<i>PAX8-PPARG</i> (4)	<i>PAX8</i> (exon 10) – <i>PPARG</i> (exon 2) <i>PAX8</i> (exon 8) – <i>PPARG</i> (exon 2) <i>PAX8</i> (exon 9) – <i>PPARG</i> (exon 2) <i>PAX8</i> (exon 7) – <i>PPARG</i> (exon 2)	[21,22]