

Table S5. Sequence of Primers used for manual validation of somatic SNVs

Primer Name	Primer Sequence with M13 adapter sequence added	Amplicon Size (bp)*
AHNAK-F1	TGTA AACGACGGCCAGTTCAGGAGTGTCAATGCCAC	337
AHNAK-R1	CAGGAAACAGCTATGACCTGCACCTGAAAGGTCCAAG	
AHNAK-F2	TGTA AACGACGGCCAGTTCAGCTTGATGTCTCAGGAC	218
AHNAK-R2	CAGGAAACAGCTATGACCAGAGACACATCCATGTCACC	
AHNAK-F3	TGTA AACGACGGCCAGTTCAGATGCTGAGATGAAC	392
AHNAK-R3	CAGGAAACAGCTATGACCACCTTCGATACTGACATCAG	
FLT3-F1	TGTA AACGACGGCCAGTACATTCCACACTACAGCGAC	411
FLT3--R1	CAGGAAACAGCTATGACCAGCTGTTTCATGTGAACCATGG	
FLT3-F2	TGTA AACGACGGCCAGTTCCTATTCTAACTGACTC	433
FLT3--R2	CAGGAAACAGCTATGACCTCTTTGTGTCTCCTCCAC	
HAUS6-F1	TGTA AACGACGGCCAGTACTCCAGCCAGCTATGATCG	381
HAUS6-R1	CAGGAAACAGCTATGACCTCCTTCCACTTCTCTACAAC	
HAUS6-F2	TGTA AACGACGGCCAGTTCATCTATGTGACTGGTCAGC	365
HAUS6-R2	CAGGAAACAGCTATGACCTGATTCATTGCATGCTCTATG	
HYOU1-F1	TGTA AACGACGGCCAGTTCAGGACTCCCATCCTACAC	299
HYOU1-R1	CAGGAAACAGCTATGACCTCTAGTGTGCAACAGTGTG	
KIT-F1	TGTA AACGACGGCCAGTACTCAGCAGCCTCAGGAAG	316
KIT-R1	CAGGAAACAGCTATGACCTCAAGTGAATTGCAGTCTTC	
KIT-F2	TGTA AACGACGGCCAGTTCCTCCAACCTAATAGTG	291
KIT-R2	CAGGAAACAGCTATGACCTGTGTGATATCCCTAGACAGG	
MYH7B-F1	TGTA AACGACGGCCAGTTCATGTATGTGCTGGGCAC	314
MYH7B-R1	CAGGAAACAGCTATGACCAGTGTGCACCTTCGTCATC	
MYH7B-F2	TGTA AACGACGGCCAGTAGAATAGCCGGTAAGCACTG	250
MYH7B-R2	CAGGAAACAGCTATGACCTGCTGCCGATTCCACCACAG	
NRAS-F2	TGTA AACGACGGCCAGTACACCCCAAGATTCTTACAG	308
NRAS-R2	CAGGAAACAGCTATGACCTTCCCTAGTGTGGTAACCTC	
SYNPO2-F1	TGTA AACGACGGCCAGT AGTGATCCTCGACTGCTCTG	266
SYNPO2-R1	CAGGAAACAGCTATGACC AGGCAGA ACTTACGTGCATG	
SYNPO2-F2	TGTA AACGACGGCCAGTACTGGAGCTGGAGGTGATTCC	289
SYNPO2-R2	CAGGAAACAGCTATGACCTGATGGAGGAGACAACGGTG	
TRIM42-F1	TGTA AACGACGGCCAGTACTGCATGCCCTACAGCAAC	328
TRIM42-R1	CAGGAAACAGCTATGACCTGGATGCAGATCTTCTCGTC	
TRIM42-F2	TGTA AACGACGGCCAGTTCAGTCCATCCATGAGCTC	331
TRIM42-R2	CAGGAAACAGCTATGACCTGTCTGCTCCAGCACTCCAG	

*: amplicon size includes 36 bp added by the adapters.