

**Supplementary Table 22: Oligonucleotide primers used for the validation of fusion transcripts by reverse transcription PCR (RT-PCR).**

<b>Fusion Gene</b>	<b>Strand</b>	<b>Sequence</b>
<i>AAK1-ARNT2</i>	Forward	TCACAGTGGACGAGGTGTTG
	Reverse	AATTTACTGGGGCCTTCACC
<i>FN1-ICAM1</i>	Forward	CCATCAGCAGGAACACCTTT
	Reverse	GGGTAAGGTTCTTGCCCACT
<i>MAP2K3-HMGCLL1</i>	Forward	TGAGAGGATCAACCCAGAGC
	Reverse	TCTCAGTAGCTCCAGCAGCA
<i>MBTPS1-TCEANC2</i>	Forward	GAGGAATGCCGACAGTTGTT
	Reverse	CAGCTCGGTGCTTTAATGTG
<i>PARG-BMS1</i>	Forward	CTCTCTCTCTGTGTGACCCTG
	Reverse	ATAACTGTAATAAAACGGCCCAG
<i>PSMA6-SHMT1</i>	Forward	GAAATGAGGCCTCTTGGTTG
	Reverse	ACCATCTGTGCCTTTGGAAC
<i>TNKS1BP1-SPARC</i>	Forward	GGAGGGGCCAGTAAAGTCTC
	Reverse	CCAGGCAAAGGAGAAAGAAG
<i>WAPAL-CDHR1</i>	Forward	ATCAAAGATGCTCCCACCAC
	Reverse	ATGGAGATGGCTCCAGATGT
<i>TBL1XR1-PIK3CA</i>	Forward	TGGTGGAGGCTCTTTGAAGT
	Reverse	TTCACCTGATGATGGTCGTG