

Supplemental Table Peptides used in the multiplex assay. The peptide name represents the coding gene and the -1 and -2 shift, respectively in brackets. The peptide sequences comprise five amino acids of the wild type gene-derived amino acid sequence followed by the frameshift neopeptide sequence (underlined) translated from -1 and -2 deletions in the respective microsatellite-containing genes and C-terminal FLAG epitope (in italic). Peptides of over 40 amino acid length are split into two to four (A to D) overlapping peptides

Peptide name	Peptide sequence
FLAG	<i>DYKDDDDK</i>
FLJ32202(-1)	KKKKK <u>KEKKS</u> LLISFFLISTEQGSKIDYKDDDDK
FLJ32202(-2)	KKKKK <u>RNPS</u> DYKDDDDK
DAMS(-1)	PPPPP <u>KAPAG</u> QETLSLQSRDYKDDDDK
DAMS(-2)	PPPPP <u>KLQLV</u> RKHCLYNQDKHLAQGVQPFLTYRLADYKDDDDK
BANP(-1)	FFFFF <u>CSVGA</u> DYKDDDDK
BANP(-2)	PCFFF <u>SLFSA</u> L DYKDDDDK
HT001(ASTE)(-1)	NSKKK <u>GRRNR</u> IPAVLRTEGEPLHTPSVGMRETTGLGCDYKDDDDK
HT001(ASTE)(-2)	NSKKK <u>AEETE</u> YQLFDYKDDDDK
TAF1B(-1)	GLKKK <u>TILKK</u> AGIGMCVKVSSIFFINKQKPDYKDDDDK
TAF1B(-2)	GLKKK <u>QY</u> DYKDDDDK
FLJ25378(-1)	SFFFF <u>KQSPK</u> TQDHLRQORASARDYKDDDDK
FLJ25378(-2)_A	PSFFF <u>SSSPV</u> PRRKTTCASSVHQODSKSRTRAARKTSTWPDYKDDDDK
FLJ25378(-2)_B	ARKTSTW <u>PEDT</u> YPGRKTCTPEDRERGHVLRSSHVRLGHFDYKDDDDK
FLJ25378(-2)_C	SHVRL <u>GHFLF</u> TEDYKTPVLSLGLADAILGLSPPAARRSLKQDYKDDDDK
FLJ25378(-2)_D	AARR <u>SLQHV</u> APHRLVLFVGPTLWARTNTSTFOAVYSSVSDYKDDDDK
PTHL3(PTHLH)(-1)	GLKKK <u>RKTTE</u> EHHCNDYKDDDDK
PTHL3(PTHLH)(-2)	GLKKK <u>GKQOK</u> NTSYATNDLIIDYKDDDDK
ZNF294(-1)	SSKKK <u>MVRLD</u> LLMRYLKAIKRMKNVYLQKERRLKAGNDYKDDDDK
ZNF294(-2)	SSKKK <u>W</u> DYKDDDDK
TGFBR2(-1)	MKEKK <u>SLVRL</u> SSCVVALMSAMTTSSSQKNITPAILTCCDYKDDDDK
TGFBR2(-2)	MKEKK <u>A</u> W DYKDDDDK
MARCKS(-1)	TPKKK <u>KRS</u> AFPSRSLSSDYKDDDDK
MARCKS(-2)	TPKKK <u>EALFL</u> QEVFQAERLLLQEEQEGGWRRRDYKDDDDK
Q96PS6(-1)	IFFFK <u>DGVLL</u> SHLGDYKDDDDK
Q96PS6(-2)	PIFFF <u>SKMES</u> YSLTDYKDDDDK
SLC22A9(UST3)(-1)_A	AAQKK <u>NLLC</u> VKSTCPTTYVKGSPSCPLRDLQTLWPILADYKDDDDK
SLC22A9(UST3)(-1)_B	QTLWP <u>ILALIS</u> MSSIWGTMFSCRLSLVQSSSWPTVLHLGHDYKDDDDK
SLC22A9(UST3)(-2)	AAQKK <u>TFS</u> V DYKDDDDK
ACVR2(-1)	VVHKK <u>RGLF</u> DYKDDDDK
ACVR2(-2)	VHKKE <u>ACFKR</u> LLAETCWNGNALDYKDDDDK
ADAMTSL1(C9orf94)(-1)	FCFFF <u>S</u> SDYKDDDDK
ADAMTSL1(C9orf94)(-2)	FCFFF <u>LPRS</u> ADYKDDDDK

