

**Supplemental Table S3.** List of oligonucleotide primers and their sequences used in this study.

<b>Primer name</b>	<b>Oligonucleotide sequence (5' to 3')</b>
SP-A	GGATCCACGTGCCCAATCTAGCTTTTGTGATGACA
ASP-A	TTCAATTTTGGGGCGCTTTAATGTAAGCTGTGGCCGGGA
SP-B	CGCCCCAAAATTGAAACGAAAG
ASP-B	TTGGTTTAAACGCCCCTAAAGCGGTTCCAAGATG
SP_PpLinker	TGACATTACTATTGGTTTACCTCAC
ASP_PpLinker	ATAGATACACGACCGGCAG
SP_Inf1	CGGTCGTGTATCTATCTTGTCTC
ASP_Inf1	ATAGTAATAATGTCATATGCGTACAC
SP_Inf2	GAGCAGAATGAGCTGGATATTATGG
ASP_Inf2	CAGCTCATTCTGCTCACTATTACGAGGCTCATTGTCCATC
SP_2G_E	TAGATGATGGAAGATGCTCTTCAGTTTTTGCGAAA
ASP_2G_E	TTCAATTTTGGGGCGTCGGATCTTCCTGGATAAAT
SP_2G_F	CGCCCCAAAATTGAAACGAAAG
ASP_2G_F	ATCTTCCATCATCTACAAGAACA
SP_2GDC_Inf	CGCCCCAAAATTGAAACGA
ASP_2GDC_Inf	TTCAATTTTGGGGCGCTCCAGATTAGCACAATTATGCACCA
SP-PpCysPc	ACCCGGGGCTGTTGAATTGGCT
ASP-PpC2L	TCGTACGCTAAAGCGGTTCCAAGATGATAG
SP-PpCysMut0	GGCCACCTAGGAGATTCTTGTTTTTGTAGTGCA
ASP-PpCysMut0	AATCTCCTAGGTGGCCCTGCATAACAAGTATAGG
Linker5'-Fw	GAGGTTCTTTTTGTCTGTCT
In25-R	TGGGCTTCCATATATAAATCCGAT
ArmSeq1	TGCAAGTTCAGCAGCTCTGC
ArmSeq3	TGTTTTAGCACGGCTATTCTTTTC
SP-AtLG3-Inf	GAGCCTCGTAATAGTGGTAAACATTGCGGCCAAA
ASP-AtLG3-Inf	CAGCTCATTCTGCTCAGCCATGCCAATGGCTGC
SP-MpLG3-Inf	GAGCCTCGTAATAGTCCAAGGCCATGTGGTGTGTC
ASP-MpLG3-Inf	CAGCTCATTCTGCTCCTCTGCACTGGTACTGCA
ASP_Inf2X	ACTATTACGAGGCTCATGTCCATC
SP_Inf_6N	TGACATTACTATTGGTTTACCTCACATTCATAT
ASP_Inf_6N	TTATCTCGAGTCGCGGACGACATCAAAACACAC
SP_Inf_5N	CGCGACTCGAGATAAECTTCG
ASP_Inf_5N	ATAGTAATAATGTCATATGCGTACACCT
Δlinker_1F	CTAGGAATGCCATGTCGGGAACA
Δlinker_1R	TGTTCCGATGCAAGACACGTCAT
Δlinker_2F	TCTGTGGAGGATCTTACGTGGGC
Δlinker_2R	CCCACTCACCTGCATGCATTA
35S_rev1	GGAGCCACCTTCCTTTCCA
Term_F	AGGGTTCTTATAGGTTTCGCTCATG
Ex7-R	TGGGTCTTCTTCAGTGTGATC
Ex30-R	TGTGGTTGGAACAATCGTGTAAC
gDek1_rev	AAGACGACTACCACTCAGTGC
ASP_PpCALP	TCAATCTCCTCTCCAGCACCT
ARMseq7	GCATATTGGGCGTTGAAGCT
TM2seq1	TACCTAGGGTGGGCAATTGC
ARMseq6	TGCAGGTACCAAAGAAGCAGC
ASP_PpARM_inf1	ATAGATACACGACCGGCAG
Null_1F	CACTCGCGTGTTCCTTAAGCA
Null_1R	GTCAGGCCTCCTTACGTTTCG
Null_2F	TTCATAGACGGAGGTTTCGATGGA
Null_2R	TGGCACAAAATTGACCAACAAATCT
TMq_F	CAAATTGGAGCTGCGATAGAG
TMq_R	AAACCTGCTGTAAAAGCGTCA
RSBq-F	GTCGACGAGCAGTCGAAGAA
RSBq-R	ACTTCTGGAACCGAGAACGG

Reference to:	Primer name	Oligonucleotide sequence (5' to 3')	Name of probe
Supplemental Fig. S1	$\Delta$ arm_5' fwd $\Delta$ arm_5' rev	TCTAGCTTTTGTGATGACAGGTTGGC AAACTCGCAACCACTCCCCATC	5' TGS probe
	$\Delta$ arm_3' fwd $\Delta$ arm_3' rev	GTTTGAGGATTGGAGATATGAT AATGGACTACAAACTGATACG	3' TGS probe
Supplemental Fig. S2	$\Delta$ arm_5' fwd $\Delta$ arm_5' rev	TCTAGCTTTTGTGATGACAGGTTGGC AAACTCGCAACCACTCCCCATC	5' TGS probe
	3G_3' fwd 3G_3' rev	TGATGGAGGGATTCTATTTAATACGGG TATGCGTTCACATATGCAAGCCTT	3' TGS probe
Supplemental Fig. S4	ARMseq2 $\Delta$ arm_1R	GGTTCTTGGTCATGCTACACGA TGTTCCGATGCAAGACACGTCAT	Internal probe
Supplemental Fig. S6	$\Delta$ arm_5' fwd $\Delta$ arm_5' rev	TCTAGCTTTTGTGATGACAGGTTGGC AAACTCGCAACCACTCCCCATC	5' TGS probe
	Ex 24F In 25-R	AAAGAGGAGGTCTTGCAGCG TGGGCTTCCATATATAAATCCGAT	3' TGS probe
Supplemental Fig. S7	CALPnull_5' Fwd CALPnull_5' Rev	TGGCTATTAAGGAGGCTTTGGTAGC GGTATCCAGTCGTCAACGACCACA	5' TGS probe
	CALPnull_3' Fwd CALPnull_3' Rev	TGATGGAGGGATTCTATTTAATACGGG TATGCGTTCACATATGCAAGCCTT	3' TGS probe