

Primers used in the study

	Gene	Primer	Sequence (5' > 3')
q-PCR	<i>ALDH3B2</i>	Forward	ATGAAGGATGAACCACGGTCC
		Reverse	GTTCCAGGGTGCGATGATGA
	<i>CSF2RB</i>	Forward	CTCGTCAACGTGACCCTCAT
		Reverse	CGACAAAACCTCTGGCAGGGA
	<i>CYP11A1</i>	Forward	CTTCACCCCATCTCCGTGAC
		Reverse	GTCTTTGCTCAGCCATCGG
	<i>PHYHIPL</i>	Forward	GTGCAGACTGCCTCAAAACA
		Reverse	AAAACCTTAAGCATGCGTCCTG
	<i>SPINT1</i>	Forward	AAGGTACAACCCAGGAACC
		Reverse	CCTCTGGGTGGTCTGAGCTA
	<i>DACT2</i>	Forward	CGGTCGGTTGATGAGACTACT
		Reverse	CAGGGCTCTGTCAAGATCACC
	<i>SLC22A11</i>	Forward	TATTAAGGGCAAACCAGACCAAG
		Reverse	CCAGCCCATAGTAGGAGATCAA
	<i>EPS8L1</i>	Forward	GAGAGCTTTGTATCGAGGCTG
		Reverse	GCCCGAAAAGGAAGTGCAAC
	<i>PLEKHA8</i>	Forward	AGCCTCGATGGTTCCTTCTCT
		Reverse	TCAGGTCCATGCGTGTATTATCT
	<i>RAD51</i>	Forward	CAACCCATTTACGGTTAGAGC
		Reverse	TTCTTTGGCGCATAGGCAACA
	<i>KIF23</i>	Forward	TGGTTCCTACATTAGAAATGAGA
		Reverse	CGTTCTGATCAGGTTGAAAGAGTA
	<i>NRK</i>	Forward	CATTGGCCTTGGTACTTATGGC
		Reverse	GTCTTACGAGCGTTCATCACTT
	<i>C1QTNF6</i>	Forward	GAAAGGGTCTTTGTGAACCTTGA
		Reverse	CTGCGCGTACAGGATGACAG
	<i>EPS8</i>	Forward	TGAATGGCTACGGATCATCACC
		Reverse	CACTGTCCCGTGCATAATTCT
	<i>MYC</i>	Forward	GTCAAGAGGCGAACACACAAC
		Reverse	TTGGACGGACAGGATGTATGC

	<i>CCND1</i>	Forward	GCTGCGAAGTGGAACCATC
		Reverse	CCTCCTTCTGCACACATTTGAA
	<i>MMP9</i>	Forward	AGACCTGGGCAGATTCCAAAC
		Reverse	CGGCAAGTCTTCCGAGTAGT
Housekeeping gene	<i>18S</i>	Forward	ACATCCAAGGAAGGCAGCAG
		Reverse	TTTTCGTCACTACCTCCCCG
	<i>GAPDH</i>	Forward	AGCCACATCGCTCAGACAC
		Reverse	GCCAATACGACCAAATCC
HA- <i>EPS8L1</i> construct	<i>hEPS8L1</i> -EcoRV	Forward	acgtcccagactacgctgatatcATGAGCACCGCCACAGGC
	<i>hEPS8L1</i> -NotI	Reverse	aataaacaagttaacaacgcggccgcTCAAATGACCTCCATTTCCACCTCG
NonHA- <i>EPS8L1</i> construct	<i>hEPS8L1</i> -SgrAI	Forward	CCCGGAGCGCCGGCGGCTGTC
	<i>hEPS8L1</i> -EcoRV	Reverse	CGGGATATCGGTGAATTCTTT
LTR-construct (Gibson Assembly)	<i>CYP11A1</i> -MLT1F2-1	Forward	catggctttagaagcttgatGGGTGGCTGGGTGGCTGA
		Reverse	cactagtgaattccatggatAGTCCTGAAACAGCCACTGAAAAGTTTTG
	<i>CYP11A1</i> -MLT1F2-2	Forward	catggctttagaagcttgatTGTATTAGCTGTTTACTGCTG
		Reverse	cactagtgaattccatggatAGTCACCCAGAAAAGCTG
	<i>CYP11A1</i> -MLT1J	Forward	catggctttagaagcttgatATGTGGTTAAGTTCCAC
		Reverse	cactagtgaattccatggatACAGAAAATCCAAATCACAG
	<i>ALDH3B2</i> -MLT1F2	Forward	catggctttagaagcttgatAATGCTGCAGCCAAGCTG
		Reverse	cactagtgaattccatggatACTAATACAATGGCAAAAAGTAACAGG
	<i>SPINT1</i> -MLT1F2	Forward	catggctttagaagcttgatATTCCAAAAGTTACCAGCTTG
		Reverse	cactagtgaattccatggatTGTGGTAGGTTGCTTCTAAATG
	<i>CSF2RB</i> -MLT1C	Forward	catggctttagaagcttgatTGTATGAGGTTGGCTTG
		Reverse	cactagtgaattccatggatTGTGTCAATTTCTAGGG
	<i>DACT2</i> -MLT2B4	Forward	catggctttagaagcttgatTGTGATGATTAATTTTATGTGTCAAC
		Reverse	cactagtgaattccatggatAAGAATCCCTCTTGGTGAAG
	<i>DACT2</i> -MER41D	Forward	catggctttagaagcttgatTTAGGGAATCAGGAGCCC

		Reverse	cactagtgaattccatggatTGTTACCAGAAAAGCAGTC
	<i>EPS8L1</i> -MLT1G	Forward	catggctttagaagcttgatAAGGAGCTCCAGTGGTCC
		Reverse	cactagtgaattccatggatTTCCAGTTACTATGGCCATATAACAAATTATTC
Sequencing primers	<i>hEPS8L1</i> -F1	Forward	ACAATTACCGCTCGGGCCGC
	<i>hEPS8L1</i> -F2	Forward	GAGGCCGAGTACACCGACGT
	<i>hEPS8L1</i> -F3	Forward	ATCTGAGCCTCAGCTGGAGT
	HA Seq-F3	Forward	ATGGTAATCGTGCGAGAG
Bisulphite sequencing	MLT1F2-2	Forward	TGTATTAGTTGTTTATTGTTGTTTAATAAATTA
		Reverse	AATCACCCAAAAAACTACTCCTAAATACTACA
	BS-CYP11A1-MLT1F2	Forward	GGGTGGTTGGGTGGTTGAGTGGTTTATGTTTAG
		Reverse	CCTAAAACAACCACTAAAAAATTTTAAACAAAACC
EPS8L1-KO	gRNA-1		ACAATTACCGCTCGGGCCGC
	gRNA-2		CACAATTACCGCTCGGGCCG
	gRNA-3		CAATTACCGCTCGGGCCGCG