

Oligonucleotide primers used for PCR and sequencing

Gene ID	Primer sequence (5' --> 3') for PCR		Product size (bp) in Twist	Primer sequence (5' --> 3') for sequencing	
TWT018	TWT017F1	ccggatcattctcaatccacaagc	990	TWT018sF1	tctgcccgatagatcttgcccgat
	TWT019R1	tcttgacagacactctcagccttct		TWT019sR1	tcttgacagacactctcagccttct
TWT041	TWT040F1	aggtaaagcgatccattgggcag	1380	TWT041sF1	gcgctgttagcgggtgcagtt
	TWT042R1	agggttaccagatcaagcgagaac		TWT041sR1	caggacacgtaaacgcaaga
TWT099	TWT098F1	tcttcatagaccggccagggtc	2460	TWT099sF1	cgtgagttctataaacgtg
	TWT100R1	aaagctggatccgtatctgaatgtt		TWT099sR1	gtggcagcggcttttagctgg
TWT101	TWT100F1	ccgctgccacaaggcccttgaa	4498	TWT101sF1	cggcaaaaagcgcgtcaaacg
	TWT102R1	gcaaaaaacgcgttagcgcggagc		TWT101sR1	gcatgaatttctatgcatacct
TWT151	TWT150F1	ctgccaatagagtttgcceaag	1920	TWT151sF1	gccacacattcatcctctac
	TWT152R1	gatgtgcgtgttatgcgtgtcga		TWT151sR1	ggtaaaatcctgcgcgaata
TWT158	TWT157F1	cggctaaaaatccgacagcaaatgac	1740	TWT158sF1	gggtcatgtgatgacattcg
	TWT159R1	cccaagtgcctcgaaggttagc		TWT158sR1	cacggtccacatttcacaag
TWT171	TWT170F1	gagtggaaacattgaatctgtcaccg	4800	TWT171sF1	gccacgttaattgcttcata
	TWT172R1	cagcaatagacaggatggttcgtatc		TWT171sR1	aggcgaataagcttgggttt
TWT176	TWT175F1	aagcaacctcctgggacatctgac	1560	TWT175sF2	gtactcttaatcccctgggggtact
	TWT177R1	gcactcgggaagacgctcgtctgtg		TWT177sR2	acggccaattaagactaacgaagcg
TWT199	TWT198F1	gccggaataaaatggcacgcgc	3060	TWT199sF1	cgagttgctcagggtcagtc
	TWT200R1	aaatgtgacgataatcacagaggag		TWT199sR1	ctgtatctccgactggaca
TWT203	TWT202F1	atacaggaacatataccttccctg	1620	TWT203sF1	cgtgcacaggtcaatctcat
	TWT204R1	gagacaacctcgcacctcgcacc		TWT203sR1	ccgctctgatcgtcactgta
TWT232	TWT231F1	catcagcccgcattctcatcttc	1020	TWT232sF1	ggtctacatattacgtagact
	TWT233R1	gcaattaagggtgctatttttgc		TWT232sR1	cgcagaagaatcgagggcaa
TWT277	TWT276F1	caagctcaaagaagcacgtctgag	1140	TWT277sF1	gcggttattctcgtttgtcc
	TWT278R1	gtatgctcagcgcctgtcgacatca		TWT277sR1	cagcctggctttttatgggt
TWT311	TWT310F1	aaacatatctcgtacaatttctctg	1380	TWT311sF1	gtattttccaccgcgtgatt
	TWT312R1	gaatttggcgcaccattaacttc		TWT311sR1	cgctgattttagccatcag
TWT386	TWT385F1	ggggccatttttcttaaggc	1620	TWT386sF1	ggcatgagttttgagtttct
	TWT387R1	caattaggagcagtggttaatgc		TWT386sR1	cgattcggagaattgctttt
TWT388	TWT387F1	ttgcccatggaacagcttgttg	1740	TWT388sF1	gcggttgattgtggtaaa
	TWT389R1	gtggaaaaatgcaagacttgaac		TWT388sR1	ggcggccttattcaactgt
TWT594	TWT593F1	tccatggaggatcgaaatagttg	720	TWT594sF1	ggcgattggatctgtctatctt
	TWT595R1	gaggctattagattcgtaagattg		TWT594sR1	gaccggatgagtggttgag
TWT596	TWT595F1	tgtataggccggatcgtttatc	2040	TWT596sF1	cagtcgggtgcaggtatagg
	TWT597R1	cagagataaacgcagatctggag		TWT596sR1	caccaagacaacgggta
TWT604	TWT603F1	cgagacgaggccatcattataccaa	2700	TWT604sF1	gcacctcttctctgggtgt
	TWT605R1	tgtgtgcaccccatccacctgc		TWT604sR1	cccatgataccatctggctc
TWT653	TWT652F1	gccctgccaagcacagttaacgg	1975	TWT653sF1	gccacactgtgtctgaagg
	TWT654R1	cattatgcgtagaccaatgcccttc		TWT653sR1	cccacatacgcaacaacatc
TWT673	TWT672F1	gcgctgagcatttaactgtgatac	600	TWT672sF1	gcgctgagcatttaactgtgatac
	TWT674R1	cgacactgccggttaaggatggcg		TWT674sR1	cgacactgccggttaaggatggcg
TWT679	TWT678F1	gcctccgaccttccggaccaac	1380	TWT679sF1	cctggatgaatcgtaaaca
	TWT680R1	gctatttctctgtccccagcagg		TWT679sR1	ccttcagaccttctgtctc

TWT704	TWT703F1	ttcgctattgttacaacgggtg	420	TWT704sF1	ggtgacaagctcccatcct
	TWT705R1	gaaagctagtgccggtaccattcctg		TWT704sR1	ccattcctgacgcaagtaca
TWT722	TWT721F1	cgatgatgtggccgctgctgtggag	1140	TWT721sF1	cgatgatgtggccgctgctgtggag
	TWT723R1	gaccgattccggtatgaatggcgt		TWT723sR1	gaccgattccggtatgaatggcgt
TWT751	TWT750F1	ctccgattgtttgtccagctctgtg	1320	TWT751sF1	ggtgattgccgatgtgaac
	TWT752R1	gtgtgaccgttatgtttgcgtcggg		TWT751sR1	tcctaagtctcggtttcca
TWT762	TWT761F1	ctcgttacagtgtatgtgagaac	2740	TWT762sF1	gcaagtgtgagagaaccaagtg
	TWT763R1	ctccaaatgcactccatagcttg		TWT762sR1	caggcattaccctgcttt
TWT773	TWT772F1	caatccgtcatcatagccgggga	660	TWT772sF1	caatccgtcatcatagccgggga
	TWT774R1	agcatcctcgggtgcttgattgta		TWT774sR1	agcatcctcgggtgcttgattgta
TWT607/625	TWT607F1	cgccaattaccagtgaataattacg	21 088	TWT607sF1	cgccaattaccagtgaataattacg
	TWT625R1	tactcatagtacctactatacatg		TWT607sF2	ctttggaagaattcactacttag
				TWT607sR1	ctacaatgcttttactctgcagcac
				TWT607sR2	tataaccagttacgcaataaaccca
				TWT608sF1	tttagtagacctgtagcattagt
				TWT608sF2	tatctatctgtttgtgtatgggaac
				TWT608sF3	caggagggtctctgtctggcaagg
				TWT608sR1	tctaagagagctgccaccatagat
				TWT608sR2	gatacatcctacacctatagtcc
				TWT608sR3	gctagaattgccacacactgataga
				TWT624sF1	ctctgttacatgtatgtcaaagaag
				TWT624sR1	tctcctaatagatcctgttacaagc
				TWT625sF1	tactcatagtacctactatacatg
				TWT625sF2	gaaaataaccccgcagaggcaattg
				TWT625sR1	gtatctcgggtaatggcatgtccg
				TWT625sR2	gggaattcgggtgctcctctgttg
				TWT625sR3	cgcccagggtgtaccccgggtccta
