






















**H332\_mTurq2del\_EPACdDEPCD\_L777A\_K778A\_tdBlackcp173V(ST)**  
9846 bp

	Feature	Location	Size			Type
✓	<b>mT2</b> /label = mT2	16 .. 712	697 bp			misc_feature
✓	<b>EPAC</b>	719 .. 2919	2201 bp			misc_feature
✓	<b>L777A / K778A</b>	2605 .. 2610	6 bp			misc_feature
✓	<b>td BlackcpVenus</b> /label = td BlackcpVenus	2926 .. 4460	1535 bp			misc_feature
✓	<b>Y145W</b>	3583 .. 3585	3 bp			misc_feature
✓	<b>Y145W</b>	4375 .. 4377	3 bp			misc_feature
✓	<b>Neo / Kan R</b>	5666 .. 6457	792 bp			misc_feature
✓	<b>Amp R</b>	7965 .. 8624	660 bp			misc_feature

Primer	Length		Binding Sites		Tm	Date Added
✓ <b>MP169_FW</b>	19-mer		812 .. 830		59°C	22 Dec 2023
/sequence =	TTCGAAAGCCCCAGGTCA 58% GC / 5757,8 Da					
✓ <b>MP170_FW</b>	24-mer		1294 .. 1317		61°C	18 Dec 2023
/sequence =	GGCAGGAACCGGTATACAGTGATG 54% GC / 7466,9 Da					
✓ <b>MP171_FW</b>	21-mer		1647 .. 1667		63°C	18 Dec 2023
/sequence =	GGACACCCGACTCAGCAACCT 62% GC / 6345,2 Da					
✓ <b>MP172_FW</b>	22-mer		2167 .. 2188		59°C	18 Dec 2023
/sequence =	CACGACTGGAGCCTTTCAACA 55% GC / 6664,4 Da					
✓ <b>MP173_FW</b>	20-mer		2707 .. 2726		60°C	20 Dec 2023
/sequence =	CACCACTGCCGAAGCCACAA 60% GC / 6025,0 Da					
✓ <b>GK306_RV</b>	23-mer		4661 .. 4683		59°C	18 Dec 2023
/sequence =	CACCTACTCAGACAATGCGATGC 52% GC / 6977,6 Da					