










**H325\_mTurq2del\_EPACdDEPCD\_Q270E\_E325T\_L777A\_K778A-tdcp173V(ST)**  
9846 bp

Feature	Location	Size		Type
✓ <b>mT2</b> /label = mT2	16 .. 712	697 bp		misc_feature
✓ <b>EPAC</b> /label = EPACdDEPCD Q270E E325T	719 .. 2919	2201 bp		misc_feature
✓ <b>Q270E</b> /label = Q270E	1084 .. 1086	3 bp		misc_feature
✓ <b>E325T</b> /label = E325T	1249 .. 1251	3 bp		misc_feature
✓ <b>L777A / K778A</b>	2605 .. 2610	6 bp		misc_feature
✓ <b>cpV-cpV</b> /label = cpV-cpV	2926 .. 4460	1535 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			