

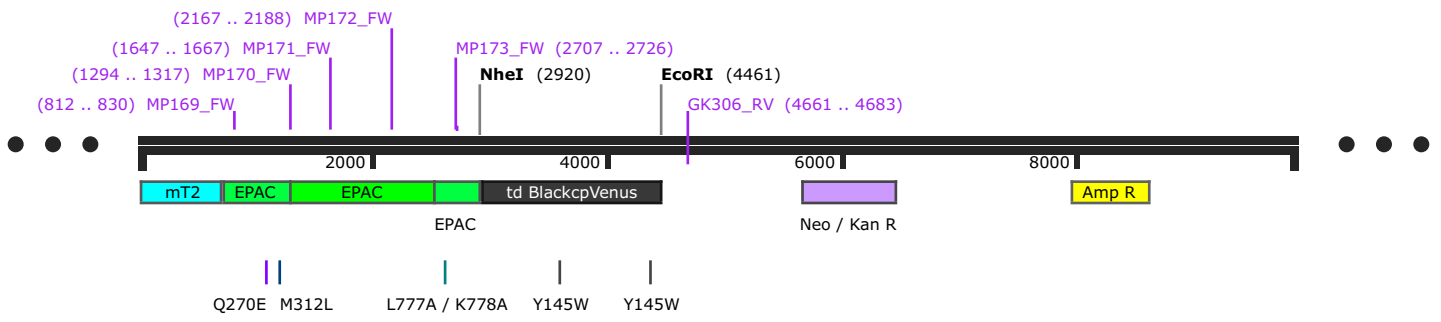
Sequence: H327\_mTurq2del\_EPACdDEPCD\_Q270E\_M312L\_L777A\_K...A\_tdBlackcp173V(ST).dna (Circular / 9846 bp)

Enzymes: Unique 6+ Cutters (34 of 678 total)














Unique Cutters **Bold**

Features: 12 total

Primers: 6 total



**H327\_mTurq2del\_EPACdDEPCD\_Q270E\_M312L\_L777A\_K778A\_tdBlackcp173V(ST)**  
9846 bp

Feature	Location	Size		Type
✓ <b>mT2</b> /label = mT2	16 .. 712	697 bp		misc_feature
✓ <b>EPAC</b> /label = EPACdDEPCD Q270E M312L	719 .. 1306	588 bp		misc_feature
✓ <b>Q270E</b> /label = Q270E	1084 .. 1086	3 bp		misc_feature
✓ <b>M312L</b> /label = M312L	1210 .. 1212	3 bp		misc_feature
✓ <b>EPAC</b> /label = EPAC	1307 .. 2522	1216 bp		misc_feature
✓ <b>EPAC</b> /label = EPACdDEPCD Q270E	2523 .. 2919	397 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 = CACGACTGGAGCCTCTTCAACA 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				