

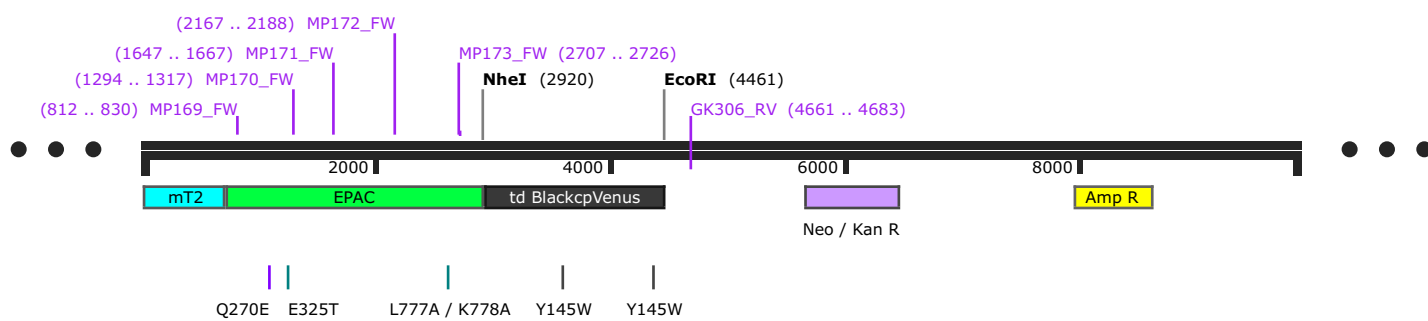
Sequence: H329_mTurq2del_EPACdDEPCD_Q270E_E325T_L777A_K7...A-tdBlackcp173V(ST).dna (Circular / 9846 bp)

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












Unique Cutters **Bold**

Features: 10 total

Primers: 6 total



H329_mTurq2del_EPACdDEPCD_Q270E_E325T_L777A_K778A-tdBlackcp173V(ST)
9846 bp

Feature	Location	Size		Type
✓ mT2 /label = mT2	16 .. 712	697 bp		misc_feature
✓ EPAC /label = EPACdDEPCD Q270E E325T	719 .. 2919	2201 bp		misc_feature
✓ Q270E /label = Q270E	1084 .. 1086	3 bp		misc_feature
✓ E325T /label = E325T	1249 .. 1251	3 bp		misc_feature
✓ L777A / K778A	2605 .. 2610	6 bp		misc_feature
✓ td BlackcpVenus /label = td BlackcpVenus	2926 .. 4460	1535 bp		misc_feature
✓ Y145W	3583 .. 3585	3 bp		misc_feature
✓ Y145W	4375 .. 4377	3 bp		misc_feature
✓ Neo / Kan R	5666 .. 6457	792 bp		misc_feature
✓ Amp R	7965 .. 8624	660 bp		misc_feature

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