

JIPSC1114_SnapgeneDNA_INK2J00009R_UBQLN2_P506T_REVY






 UBQLN2-201





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## $\square_{\text {SNV }}^{\square}$

## ATATCAGGGAAAATGGGGGTATCCGGGGTAACCCGGGTATCCTGGGTGACCGGGACGTCGGGGGGGACC

Donor Template SNV -> REV

TATCAG GAAAATGGGGGTA
gRNA Protospacer














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1 .. $42424242 \mathrm{bp} \quad \square \quad \rightarrow \quad$ gene

Inote
UBQLN2-201
/note
/translation
$=$ primary transcript ENST00000338222
$=$ coding sequence ENSP00000345195
$=$ MAENGESSGPPRPSRGPAAAQGSAAAPAEPKIIKVTVKTPKEKEEFAVPENSSVQQFKEAISKRFKSQTDQLVLIFAGKILKDQDTLIQHGIHDGLTVHLVIKSQNRPQGQSTQPSNAAGTNTTSASTPRSNSTPISTNSNPF GLGSLGGLA GLSSLGLSSTNFSELQSQMQQQLMASPEMMIQIMENPFVQSMLSNPDLMRQLIMANPQMQQLIQRNPEISHLLNNPDIMRQTLEIARNPAMMQEMMRNQDLALSNLESIPGGYNALRRMYTDIQEPMLNAA QEQFGGNPFASVGSSSSSGEGTQPSRTENRDPLPNPWAPPPATQSSATTSTTTSTGSGSGNSSSNATGNTVAAANYVASIFSTPGMQSLLQQITENPQLIQNMLSAPYMRSMMQ SLSQNPDLAAQMMLNSPLFTANPQLQ


| Donor Template SNV -> REV | 1725 | .. 1824 | 100 bp | $\square$ | H | misc_feature |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| PAM | 1754 | .. 1756 | 3 bp | $\square$ | H | misc_feature |
| Protospacer Sequence | 1757 | .. 1776 | 20 bp | $\square$ | H | misc_feature |
| SNV | 1763 | .. 1763 | 1 bp | $\square$ | $\mapsto$ | misc_feature |

Sanger Sequencing Primer $\quad 20-\mathrm{mer} \quad 1579$.. $1598 \quad-\quad 57^{\circ} \mathrm{C} \quad \mathrm{Jun} 30,2022$
Donor Template SNV -> REV $\quad 100-\mathrm{mer} \quad$ O 1725 .. $1824=84^{\circ} \mathrm{C} \quad$ Jun 30,2022
/sequence
gRNA Protospacer
/sequence

## PCR Reverse

/sequence
$=$ CCAGGGGGgGCTGCAGgGCCAGTGGGTCCTATGGGCCCAATGGGGCCTATGGGGGTAAAAGGGACTATAGGGCCTATGGGGCCTATGGGGGTGACTGGGC $66 \%$ GC / $31,361.3 \mathrm{Da}$
$=$ ATGGGGGTAAAAGTGACTAT 40\% GC / 6245.2 Da
$=$ GGTACAGAAATGTGATTACGATGGC $44 \%$ GC / 7770.1 Da

