

Table S11. Plasmid construct details.

pMC602: The group II intron of pCE240 was targeted to *CD1617* at nucleotide 127 by splicing PCR using primers oMC1310, oMC1311, oMC1312, and EBSu as outlined in the TargeTron users manual (Sigma-Aldrich). The primers for intron retargeting were obtained by using the jpintronator algorithm. The group II *CD1617*-targeted intron was subcloned using the *BsrGI* and *HindIII* sites into pCE240.

pMC616: The 5.45 kb *SphI/SfoI* fragment from pMC602 was cloned as *SphI/SnaBI* into pMC123.

pMC643: The group II intron of pCE240 was targeted to *CD1618* at nucleotide 217 by splicing PCR using primers oMC1319, oMC1320, oMC1321, and EBSu as outlined in the TargeTron users manual (Sigma-Aldrich). The primers for intron retargeting were obtained by using the jpintronator algorithm. The group II *CD1618*-targeted intron was subcloned using the *BsrGI* and *HindIII* sites into pCE240.

pMC645: The 5.45 kb *SphI/SfoI* fragment from pMC645 was cloned as *SphI/SnaBI* into pMC123.

pMC649: The coding sequence of *CD1617-1619* and 300 bp upstream of *CD1617* was amplified using oMC1416 and oMC1476 and cloned into pSMB47 as *BamHI/SphI*.

pMC687: The coding sequence of *CD1234* was amplified with primers oMC1609 and oMC1610 and cloned into pMC211 as *BamHI/PstI*.

pMC723: The *clnRAB* operon was amplified with an N-terminal 6x His tag using primers oMC1689 and oMC1476 and cloned as *BamHI/SphI* into pMC123. Subsequently, *PclnR* (amplified using primers oMC1737 and oMC1738) was cloned by Gibson assembly as *BamHI/SfoI*.