

Supplemental table S1 Primers used in DSB-induced gene targeting assay

name	Sequence
NeoS	GGATCGGCCATTGAACAAGATGGATTGCAC
NeoE	CCTCAGAAGAAGCTCGTCAAGAAGGCGATAG
Mneo-1 (+)	ATGCCCGACGGCGAGGATCTCGTCGTGACCAGGGATAACAGG GTAATCGATGCCTGCTTGCCGAATATCATGGTGGA
Mneo-1 (-)	TCCACCATGATATTCGGCAAGCAGGCATCGATTACCCTGTTAT CCCTGGTCACGACGAGATCCTCGCCGTCGGGCAT
Mneo-2 (+)	ATGCCCGACGGCGAGGATCTCGTCGTGACCAGGGTAATCGAT GCCTGCTTGCCGAATATCATGGTGGA
Mneo-2 (-)	TCCACCATGATATTCGGCAAGCAGGCATCGATTACCCTGGTC ACGACGAGATCCTCGCCGTCGGGCAT
Mneo-3 (+)	ATGCCCGACGGCGAGGATCTCGTCGTGACCGATGCCTGCTTG CCGAATATCATGGTGGA
Mneo-3 (-)	TCCACCATGATATTCGGCAAGCAGGCATCGGTCACGACGAGA TCCTCGCCGTCGGGCAT
Mneo-4 (+)	CTCAAGGCGCGCATGCCCGACGGCATCATGGTGGAATAATGGC CGCTTTTCTGG
Mneo-4 (-)	CCAGAAAAGCGGCCATTTTCCACCATGATGCCGTCGGGCATG CGCGCCTTGAG