

Supplementary Table 1. Detection of CRISPR/Cas9 editing with ORMDL sgRNAs by Sanger sequencing.

CRISPR/Cas9 editing detection						
Primer locus	Target sequence	CTL1	CTL2	ORMDL3 KO1	ORMDL3 KO2	TKO
ORMDL1 gRNA	ACCCGTGTCATGA ACAGCCG	No	No	No	No	Yes
ORMDL2 gRNA	ACCCGAGTGATGA ATAGCCG	No	No	No	No	Yes
ORMDL3 gRNA	CGAGGTGAACCCC AACACGC	No	No	Yes	Yes	Yes
ORMDL1 off-target 1	CCCCCTGTAATGA ACAGCCA	No	No	---	---	No
ORMDL1 off-target 2	TCCCTTGGCATGA ACAGCCT	No	No	---	---	No
ORMDL2 off-target 1	AACCGAGTGCTGA ATAGCAATGG	No	No	---	---	No
ORMDL2 off-target 2	ACCAAAGTGAGGA AGAGCCGAGG	No	No	---	---	No
ORMDL3 off-target 1	ATGGGTGAACCCC AACACAC	No	No	No	No	No
ORMDL3 off-target 2	CCTGCTGAACCCC TACACGC	No	No	No	No	No
ORMDL3 off-target 3	GGAGGTGGACCCC AACATCC	No	No	No	No	No
ORMDL3 off-target 4	GGAGGTGGACCCC AACATCC	No	No	No	No	No
ORMDL3 off-target 5	CCAGGTGAACACC AGCACCC	No	No	No	No	No
ORMDL3 off-target 6	GGAGGTGAACACC ACCACCC	No	No	No	No	No
ORMDL3 off-target 7	CGACGTGAACGAC AACGCGC	No	No	No	No	No
ORMDL3 off-target 8	CGACGTGAACGAC AACGCGC	No	No	No	No	No
ORMDL3 off-target 9	CGAGTTGCACCCC ACCACCC	No	No	No	No	No
ORMDL3 off-target 10	CGAGGTGCACCCC CACCTC	No	No	No	No	No
ORMDL3 off-target 11	CGAGGTGAACCCG GACCCAC	No	No	No	No	No
ORMDL3 off-target 12	CGCGGTGCACCCC CAGACGC	No	No	No	No	No