

## Supplementary information, Table S2

**Table S2** Off-target analysis of TKO and QKO cells.

sgRNAs of targeted genes	No. of mismatch	No. of found targets (gene)	No. of mutated sites	Cell lines analyzed
Dmpk	0	1 ( <i>Dmpk</i> )	1	ΔDSM-O48-1
	1	0	0	ΔDSMD-O48-2
	2	1	0	
	3	21	0	
	4	275	0	
Six5	0	1 ( <i>Six5</i> )	1	ΔDSM-O48-1
	1	0	0	ΔDSMD-O48-2
	2	0	0	
	3	16	0	
	4	186	0	
Mbnl1-up	0	1 ( <i>Mbnl1</i> )	1	ΔDSM-O48-1
	1	0	0	ΔDSMD-O48-2
	2	1	0	
	3	11	0	
	4	220	0	
Mbnl1-down	0	1 ( <i>Mbnl1</i> )	1	ΔDSM-O48-1
	1	0	0	ΔDSMD-O48-2
	2	0	0	
	3	13	0	
	4	198	0	
Dmwd	0	1 ( <i>Dmwd</i> )	1	ΔDSM-O48-1
	1	0	0	ΔDSMD-O48-2
	2	4	0	
	3	40	0	
	4	415	0	