



C

Murine TDEC *Nf1*

WT	CTGTCCTTCAACAAC TCCCTCGATG TGGCGGCTCATCTGCCCTATCTCTT	997164 (32.05%)
1	CTGTCCTTCAACAAC TCCCTGATG-TGGCGGCTCATCTGCCCTATCTCTT	1017731 (32.71%)
2	CTGTCCTTCAACAAC TCCCTCGAATG TGGCGGCTCATCTGCCCTATCTCTT	929982 (29.89%)
3	CTGTCCTTCAACAAC TCCCTCGTG-TGGCGGCTCATCTGCCCTATCTCTT	66465 (02.13%)
4	CTGTCCTTCATG-----TGGCGGCTCATCTGCCCTATCTCTT	10433 (00.33%)
5	CTGTCCTTCAACAAC TCCCTC-----ATCTGCCCTATCTCTT	9212 (00.29%)

Murine TDEC *Pten*

WT	CATCATCAAAGAGATCGTTAGCAGAAACAAAAGGAGATATCAAGAGGATG	398178 (39.73%)
1	CATCATCAAAGAGATCGTTAGCAGAAACAAAAGGAGATATCAAGAGGATG	280005 (56.50%)
2	CATCATCAAAGAGATCGTTAGCAGAAA----AGGAGATATCAAGAGGATG	7693 (01.09%)
3	CATCATCAAAGAGATCGTTAGCAGAAA----AGGAGATATCAAGAGGATG	6711 (00.95%)
4	CATCATCAAAGAGATCGTTAGCAGAAACAAAAGGAGATATCAAGAGGATG	202 (00.03%)
5	CATCATCAAAGAGATCGTTAGCAGAAA----GAGATATCAAGAGGATG	187 (00.02%)

Murine TDEC *Tp53*

WT	TCGGATATCAGCCTCGAGCTCCCTCTGAGCCAGGAGACATTTTCAGGCTT	1531636 (38.72)
1	TCGGATATCAGCCTCGAGCTCCCTCTGAGCCAGGAGACATTTTCAGGCTT	1019194 (58.17)
2	TCGGATATCAGCCTCGAGCTCCCTCA--GCCAGGAGACATTTTCAGGCTT	19917 (00.75%)
3	TCGGATATCAGCCTCGAGCTCCCTCTG--GCCAGGAGACATTTTCAGGCTT	13882 (00.52%)
4	TCGGATATCAGCCTCGAGCTCCCTCTG----AGGAGACATTTTCAGGCTT	4986 (00.18%)
5	TCGGATATCAGCCTCGAGCTCCCTCTGAGCCAGGAGACATTTTCAGGCTT	3926 (00.14%)