

Figure S2

MSTN/PrP double-mutant colonies (1 to 5 have biallelic mutations of both genes)

1	CTTGACATGAACCCAGGCAC TGG WT	2	CTTGACATGAACCCAGGCAC TGG WT
	MSTN CTTGACATGAACCCAG---- TGG -4		MSTN CTTGACATGAACCCAG--- CTGG -3
	CTTGACATGAACCC----- TGG -6		CTTGACATGAACCCAGGC--- GG -3
	AACCGCTATCCACCTCAGGG AGG WT		AACCGCTATCCACCTCAGGG AGG WT
	PrP AACCGCTATCCACCT----- GG -6		PrP AACCGCTATCCACCTCA--- AGG -3
	AACCGCTATCCACC----- AGG -6		AACCGCTATCCACCTC----- GG -5
3	CTTGACATGAACCCAGGCAC TGG WT	4	CTTGACATGAACCCAGGCAC TGG WT
	MSTN CTTGACATGAACCCA---- CTGG -4		MSTN CTTGACATGAACCCA---- CTGG -4
	CTTGACATGAACCC----- TGG -6		CTTGACATGAACCCAGG----- GG -4
	AACCGCTATCCACCTCAGGG AGG WT		AACCGCTATCCACCTCAGGG AGG WT
	PrP AACCGCTATCCACCT--GGG AGG -2		PrP AACCGCTATCCACC----- AGG -6
	AACCGCTATCCACC----- G -8		AACCGCTATCCACCT----- --- -9
5	CTTGACATGAACCCAGGCAC TGG WT	6	CTTGACATGAACCCAGGCAC TGG WT
	MSTN CTTGACATGAACCCAGGC-- TGG -2		MSTN CTTGACATGAACCCAGGCAC TGG WT
	CTTGACATGAACCCAGGC-- TGG -2		CTTGACATGAACCCAGG----- GG -4
	AACCGCTATCCACCTCAGGG AGG WT		AACCGCTATCCACCTCAGGG AGG WT
	PrP AACCGCTATCCAC----- GG -8		PrP AACCGCTATCCACC---GGG AGG -3
	AACCGCTATCCACCT--GGG AGG -2		AACCGCTATCCACC----- GG -7
7	CTTGACATGAACCCAGGCAC TGG WT	8	CTTGACATGAACCCAGGCAC TGG WT
	MSTN CTTGACATGAACCC----- --- -9		MSTN CTTGACATGAACCCAGGC----- --- -5
	CTTGACATGAACCCAGGC----- --- -5		CTTGACATGAACCCAGGCAC TGG WT
	AACCGCTATCCACCTCAGGG AGG WT		AACCGCTATCCACCTCAGGG AGG WT
	PrP AACCGCTATCCACCT----- GG -6		PrP AACCGCTATCCACC----- AGG -6
	AACCGCTATCCACCTCAGGG AGG WT		AACCGCTATCCACCTCA-- GAGG -2
9	CTTGACATGAACCCAGGCAC TGG WT		CTTGACATGAACCCAGGCAC TGG WT
	MSTN CTTGACATGAACCCAGGCAC TGG WT		CTTGACATGAACCCAGGC----- --- -6
	CTTGACATGAACCCAGGC----- --- -6		
	AACCGCTATCCACCTCAGGG AGG WT		AACCGCTATCCACCTCAGGG AGG WT
	PrP AACCGCTATCCAC----- AGG -7		
	AACCGCTATCCACCTCAGGG AGG WT		

Figure S2. Genotyping of double-mutant colonies by DNA sequencing. Of nine colonies with MSTN/PrP double mutations, five colonies had biallelic mutations of both genes. The PAM sequence is labeled in red.