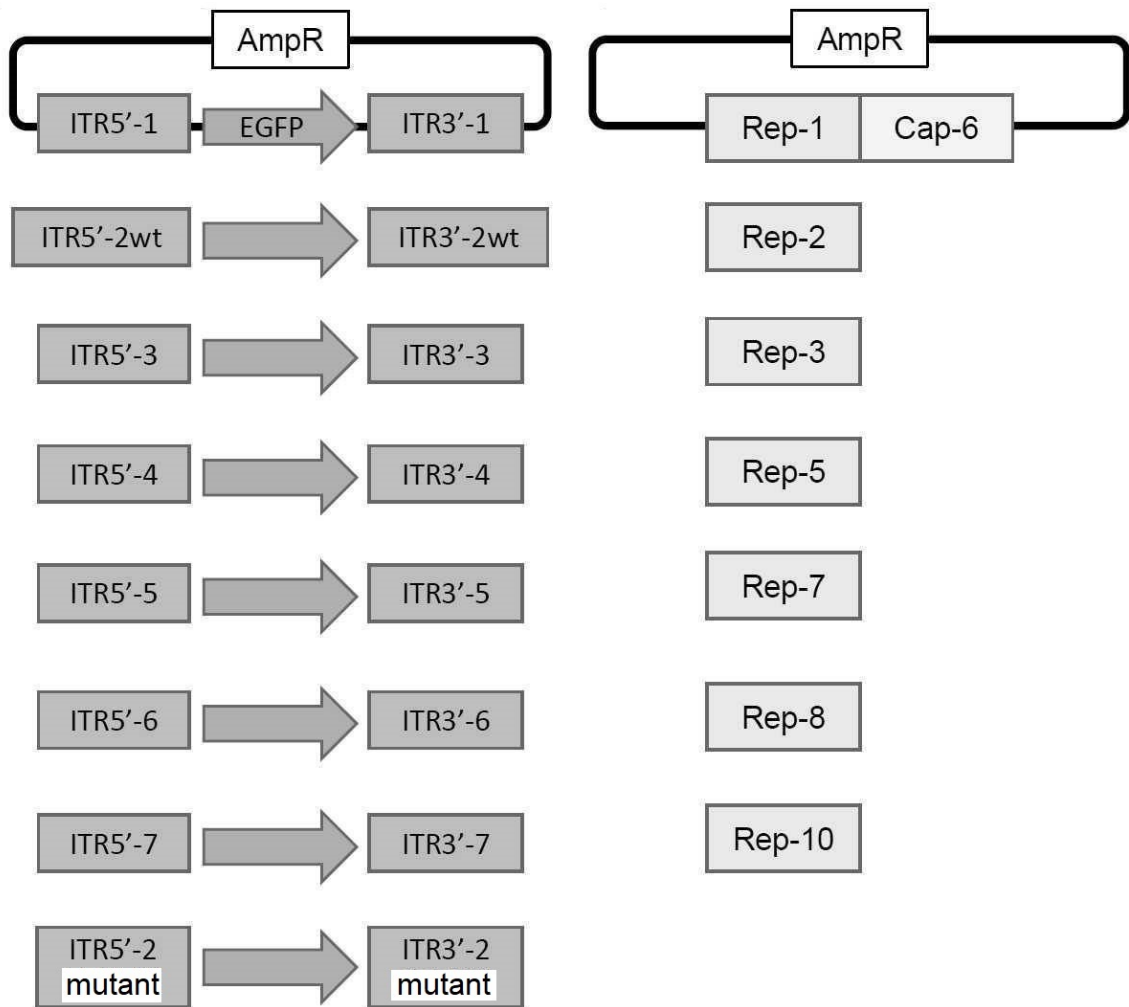


[Fig. 1]

Diagram of combinations and constructs of ITR and Rep

[Fig. 2]

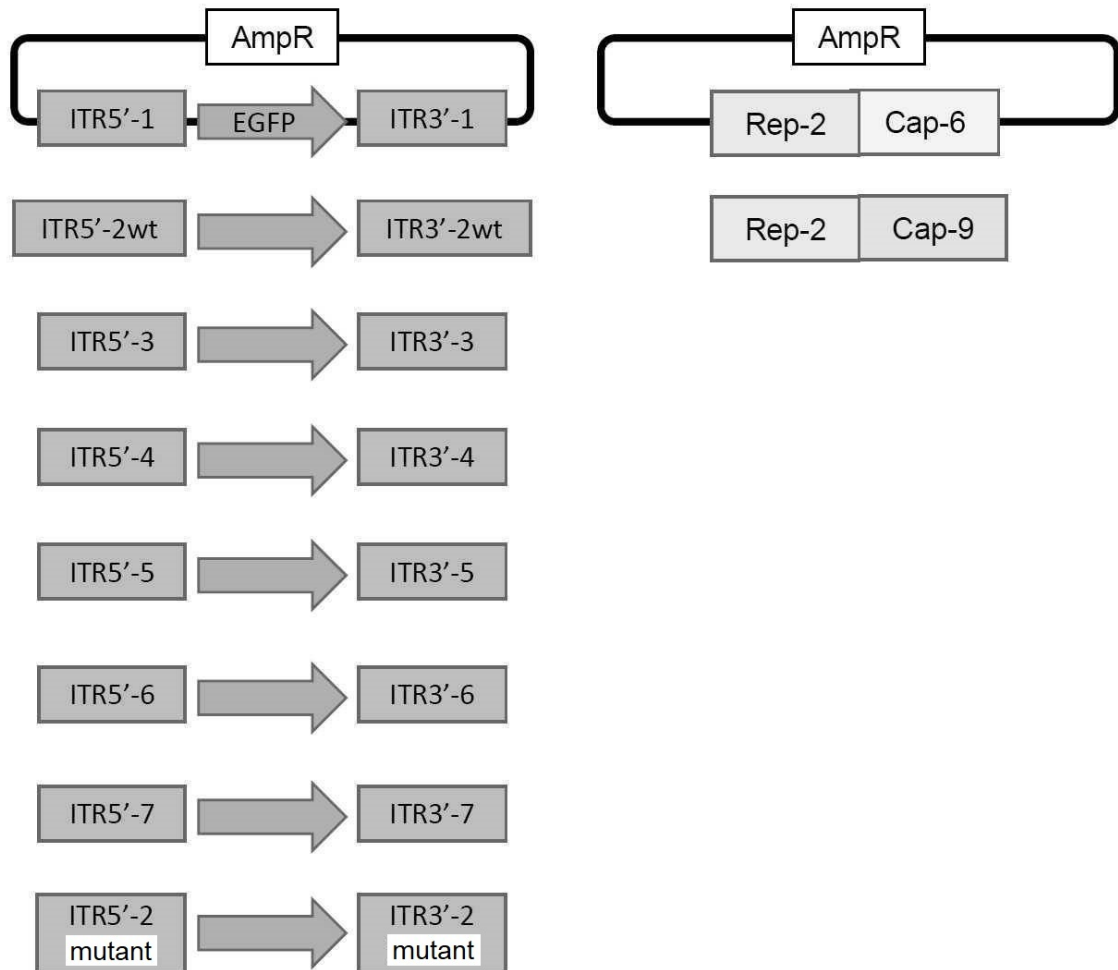
qPCR (GC/mL)

	Rep-1	Rep-2	Rep-3	Rep-5	Rep-7	Rep-8	Rep-10
ITR-1	5.52E+11	3.03E+12	4.10E+09	9.06E+08	9.97E+11	1.21E+09	6.34E+11
ITR-2wt	9.45E+11	2.79E+12	7.20E+09	9.94E+08	6.35E+11	1.05E+09	6.83E+11
ITR-3	2.05E+11	5.42E+11	1.40E+10	1.38E+07	2.29E+11	6.24E+06	1.74E+11
ITR-4	3.31E+11	1.25E+12	1.40E+09	8.96E+08	3.69E+11	1.00E+09	3.30E+11
ITR-5	6.95E+10	5.03E+11	2.25E+09	1.04E+12	9.54E+10	1.19E+09	3.69E+10
ITR-6	1.25E+12	3.60E+12	3.05E+10	9.52E+08	1.64E+12	1.25E+09	9.23E+11
ITR-7	1.01E+12	2.70E+12	6.14E+10	1.06E+09	1.09E+12	1.23E+09	1.20E+12
ITR-2 mutant	4.67E+11	2.22E+12	2.34E+10	1.09E+09	6.27E+11	1.40E+09	4.08E+11

HPLC (Full ratio %)

	Rep-1	Rep-2	Rep-3	Rep-5	Rep-7	Rep-8	Rep-10
ITR-1	90.6	92.8	11.2	11.0	76.1	N.D.	80.4
ITR-2wt	87.0	91.5	12.3	11.6	83.6	N.D.	87.9
ITR-3	91.3	88.0	10.7	7.8	81.3	N.D.	87.9
ITR-4	84.8	68.8	31.1	24.8	79.1	N.D.	86.2
ITR-5	N.D.	81.6	N.D.	87.6	27.3	N.D.	33.7
ITR-6	92.0	92.3	30.9	22.0	91.1	N.D.	91.1
ITR-7	90.3	93.9	12.6	13.9	86.5	N.D.	84.6
ITR-2 mutant	96.2	96.9	22.0	N.D.	95.6	N.D.	98.5

[Fig. 3]

Diagram of combinations and constructs of ITR and Rep

[Fig. 4]

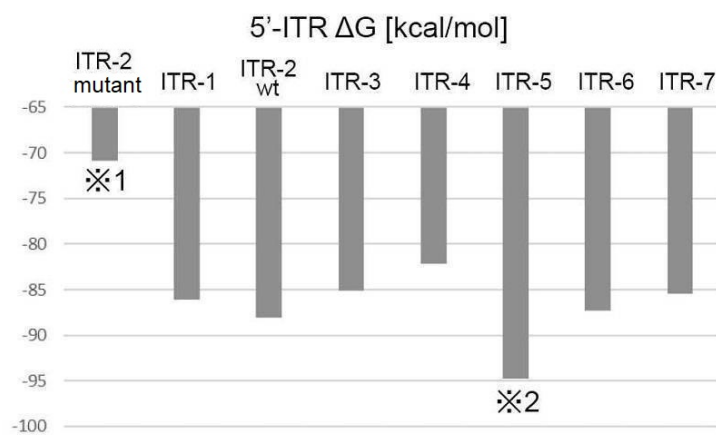
qPCR (GC/mL)

	293T	293	293
	Cap6	Cap6	Cap9
	Rep-2	Rep-2	Rep-2
ITR-1	3.03E+12	2.13E+11	1.44E+11
ITR-2wt	2.79E+12	1.52E+11	1.18E+11
ITR-3	5.42E+11	8.04E+10	1.41E+11
ITR-4	1.25E+12	1.08E+11	1.38E+11
ITR-5	5.03E+11	1.36E+09	6.60E+07
ITR-6	3.60E+12	1.57E+11	1.45E+11
ITR-7	2.70E+12	1.49E+11	1.83E+11
ITR-2 mutant	2.22E+12	1.48E+11	7.52E+10

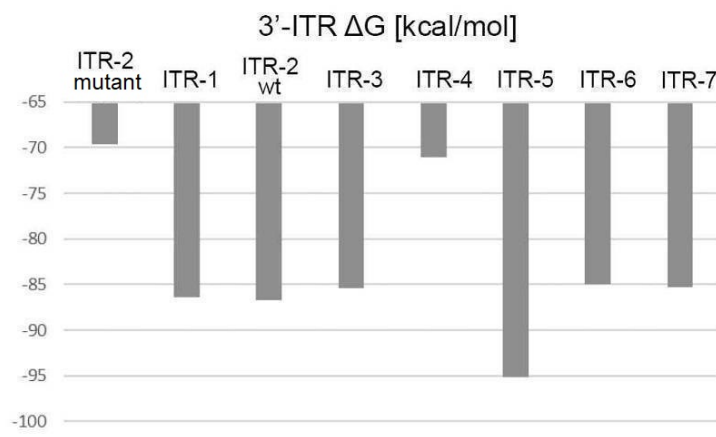
HPLC (Full ratio %)

	293T	293	293
	Cap6	Cap6	Cap9
	Rep-2	Rep-2	Rep-2
ITR-1	92.8	74.8	46.8
ITR-2wt	91.5	76.7	45.6
ITR-3	88.0	84.2	32.2
ITR-4	68.8	90.4	39.7
ITR-5	81.6	46.6	17.0
ITR-6	92.3	95.8	45.6
ITR-7	93.9	96.8	48.4
ITR-2 mutant	96.9	78.8	48.1

[Fig. 5]



※1



※2

