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Supplemental Information

Promoting readthrough of nonsense mutations in CF mouse model: Biodistribution and efficacy of NV848 in rescuing CFTR protein expression

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Table S1. *Mice body weight at T^0 and T^{15} days.*

	$CFTR^{WT}$		**$CFTR^{G542X/G542X}$**	
	g	± SEM	g	± SEM
Weight t^0 treatment	11.8	0.8	8.2	1.0
Weight t^{15} treatment	17.4	0.9	14.0	0.8

Table S2. *Sequence of primers used for DNA amplification to detect CFTR WT (primers P3 and P2) and CFTR G542X (primers P1 and P2) alleles.*

Name	***Nucleotide Sequence***	***Type of primer***	***Allele identified***
P 1	5' – ACA AGA CAA CAC AGT TCT **CT** – 3'	Forward	CFTR G542X
P 2	5' – TCC ATG CAC CAT AAC AAC AAG T – 3'	Reverse	CFTR (Common)
P 3	5' – ACA AGA CAA CAC AGT TCT **TG** – 3'	Forward	CFTR WT

Table S3. *Primer sequences for real-time RT PCR to calculate relative gene expression for the CFTR gene.*

Gene		***Nucleotide Sequence***	
CFTR mouse	FORWARD	5' – CTACATGGAACACATACCTTCG - 3'	*Divangahi M., et al., 2009*
CFTR mouse	REVERSE	5' – GGTGATAATCACTGCATAGC – 3'	*Divangahi M., et al., 2009*
ACTIN mouse	FORWARD	5' –ACCGTCAAAAGATGACCCAGA- 3'	*Designed with Primer Express software (Applied Biosystems)*
ACTIN mouse	REVERSE	5' – GAGGCATACAGGGACAGCACA – 3'	*Designed with Primer Express software (Applied Biosystems)*