

FRT flp-in cell lines constructed for CFTR Mutation study

Table 1. FRT flp4 cell lines available expressing CFTR (based on CFTR2 database)

	Legacy Name	nucleotide	p. 470 in FRT cell line
1.	wt		M
2.	P67L	c.200C>T	M
3.	G85E	c.254G>A	V
4.			M
5.	E92K	c.274G>A	M
6.	R117H	c.350G>A	M
7.	F191V	c.571T>G	M
8.	L206W	c.617T>G	M
9.	R334W	c.1000C>T	V
10.	R347P	c.1040G>C	V
11.			M
12.	T338I	c.1013C>T	M
13.	A455E	c.1364C>A	M
14.	S492F	c.1475C>T	M
15.	F508del	c.1521_1523delCTT	M
16.	V520F	c.1558G>T	M
17.	S549N	c.1646G>A	M
18.	S549R	c.1647T>G	M
19.	G551D	c.1652G>A	M
20.	R560T	c.1679G>C	M
21.	A561E	c.1682C>A	M
22.	L1077P	c.3230T>C	M
23.	M1101K	c.3302T>A	V
24.	N1303K	c.3909C>G	M
25.	Y122X	c.366T>A	M
26.	G542X	c.1624G>T	M
27.	R553X	c.1657C>T	M
28.	R1162X	c.3484C>T	M
29.	W1282X	c.3846G>A	M

Table 2. FRT cell lines for mechanistic studies

	Names	p.470
1	ΔF/R555K	M
2	ΔF/R1070W	M
3	wt -HRP	M
4	ΔF/ -HRP	M
5	ΔF/R555K -HRP	M
6	ΔF/R1070W -HRP	M
7	ΔF/R555K+R1070W -HRP	M
8	N1303K-HRP	M
9	Luciferase	-
10	empty	-

Table 3. CFTR2 lines built in collaboration with Mense lab

	Names	p.470
1	Y122X-HRP	M
2	G542X-HRP	M
3	W1282X-HRP	M
4	G542X.EMG i21-24.HRP	M
5	Y122.EMG i2-5	M
6	Y122X.EMG i2-5	M
7	W1282.EMG i21-24.HRP	M
8	W1282X.EMG i21-24.HRP	M
9	W1282X.EMG i21-24	M