



**CFTR Mutations Eligible for Phase 3 Studies of Investigational  
VX-659 or VX-445 Triple Combination Regimens in People with One F508del Mutation  
and One Minimal Function Mutation**

The below list includes currently eligible minimal function mutations for the VX-659 or VX-445 Phase 3 studies, as of April 2018:

1078delT	2055del9→A	3349insT
1119delA	2105-2117del13insAGAAA	3500-2A→G
1138insG	2143delT	3600+2insT
1154insTC	2183AA→G <sup>a</sup>	365-366insT
1161delC	2184delA	3659delC
1213delT	2184insA	3667ins4
1248+1G→A	2307insA	3737delA
1249-1G→A	2347delG	3791delC
124del23bp	2372del8	3821delT
1259insA	2585delT	3850-1G→A
1288insTA	2594delGT	3876delA
1341+1G→A	2622+1G→A	3878delG
1343delG	2711delT	3905insT
1461ins4	2721del11	394delTT
1471delA	2732insA	4005+1G→A
1497delGG	2790-1G→C	4010del4
1525-1G→A	2869insG	4016insT
1525-2A→G	2896insAG	4021dupT
1548delG	2942insT	4022insT
1609del CA	2957delT	4040delA
1677delTA	296+1G→A	405+1G→A
1717-1G→A	296+1G→T	405+3A→C
1717-8G→A	2991del32	406-1G→A
1782delA	3007delG	4209TGTT→AA
1811+1.6kbA→G	3028delA	4279insA
1811+1643G→T	3040G→C (G970R)	4326delTC
1811+1G→C	306delTAGA	4374+1G→T
1812-1G→A	306insA	442delA
1824delA	3120+1G→A	444delA
182delT	3120G→A	457TAT→G
1833delT	3121-1G→A	541delC
185+1G→T	3121-2A→G	574delA
1898+1G→A	3121-977_3499+248del2515	602del14
1898+1G→C	3171delC	621+1G→T
1924del7	3171insC	663delT
2043delG	3271delGG	711+1G→T



711+5G→A	G27X	R347P
712-1G→T	G330X	R553X
849delG	G542X	R560S
852del22	G550X	R560T
935delA	G673X	R709X
991del5	G85E	R75X
A46D	I507del	R764X
A559T	K710X	R785X
A561E	L1065P	R792X
C276X	L1077P	R851X
C524X	L1254X	S1196X
CFTR50kdel	L218X	S1255X
CFTRdele1	L467P	S434X
CFTRdele11	L732X	S466X
CFTRdele13,14a	L88X	S489X
CFTRdele14b-17b	M1101K	S4X
CFTRdele16-17b	N1303K	S912X
CFTRdele17a,17b	Q1042X	V520F
CFTRdele17a-18	Q1313X	W1089X
CFTRdele19	Q1330X	W1098X
CFTRdele19-21	Q1382X	W1145X
CFTRdele2	Q1411X	W1204X
CFTRdele2,3	Q220X	W1282X
CFTRdele21	Q290X	W19X
CFTRdele22,23	Q2X	W216X
CFTRdele22-24	Q39X	W401X
CFTRdele2-4	Q414X	W496X
CFTRdele3-10,14b-16	Q493X	W57X
CFTRdele4-7	Q525X	W846X
CFTRdele4-11	Q552X	W882X
CFTRdup6b-10	Q685X	Y1092X
E1104X	Q715X	Y122X
E1371X	Q890X	Y275X
E193X	Q98X	Y569D
E585X	R1066C	Y849X
E60X	R1102X	Y913X
E822X	R1158X	
E92X	R1162X	

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<sup>a</sup> Also known as 2183delAA→G.