	ti.			<del></del>		ŧ
PAM BAM BAM IMD CIL CIL SOT SOT SEG	AMU ROM ADI C135 C144 in pattier in vitro	ETE THE THE THE CAS CAS CIL	SOT SOT REG AMU ROM ADI	C C C C C C C C C C C C C C C C C C C	PIM BAM ETE CAS CAS IMD CIL TIX	BEEB REG AMU AMU ADI C135 C144 in patient
P337H +	1 0.0008%	V445I		0.003%	E484R +	+ 0.0005%
P337L +	3 1 0.003%	V445L +		0.0002%	E484S +	+ 0.0008%
P337R + + + + + + + + + + + + + + + + + + +	2 (0.0004%) 6 (0.003%)	G446A + G446D +		0.001% 4 0.001%	E484T + + E484V + +	+ 0.0007% + 1 2 0.01%
P337T +	0.003%	G446I + +		+ 0.0001%	G485A +	0.002%
E340A +	5 3 0.002%	G446N +		0.0008%	G485D + + +	3 0.0009%
E340D +	8 0.003%	G446R +		1 0.002%	G485R +	2 0.001%
E340G + + + + + + + + + + + + + + + + + + +	1 0.0008% 8 1 0.004%	G446S		0.0001%	G485S +	0.002%
E340Q +	2 0.0005%	G446V		4 4 0.1%	F486I + + +	1 1 0.001%
E340V	3 0.001%	G447C + +		0.0001%	F486L +	2 0.002%
T345P + +	1 (0.0001%	G447D + +		0.0002%	F486N + + +	0.0001%
R346G +	+ 4 (0.005%) + 1 3 (0.01%)	G447F + + G447S + +		0.0001% 1 0.0007%	F486P + + + + + + F486S + + +   +     +     +       +	+ 1 0.0002% + 6 0.003%
R346K	2 9%	G447V + +		0.001%	F486T + + + +	0.0001%
R346S + -	1 1 0.03%	N448D + +		1 0.0005%	F486V + +	9 0.0007%
R346T +	+ 1 0.006%	N448K + +		+ 0.0006%	N487D + + +	+ 3 0.0001%
K356E + + +	0.002%	N448T + + N448Y +		0.0006% + 0.0001%	N487H + + + +	+ 0.0001% 1 0.0002%
K356T +	1 0.0008%	Y449D +		0.0007%	Y489C +	0.0002%
S366P +	0.0002%	N450D		1 5 0.002%	Y489H + + -	+ 1 0.001%
S366T +	0.0001%	N450K		2 0.03%	Y489R + + +	0.0002%
\$371F	2 6%	L452M		0.03%	Y489W + + + +	0.0001% + 0.0001%
D405E +	0.0005%	L452R •		2 6 38%	F490I	+ 0.0007%
D405N	1 6%	L452W +		0.002%	F490L • 🗌 🗌	
E406D	0.001%	Y453F		0.003%	F490R +	+ 0.002%
R408K +	1 (0.005%) 9 (0.0004%)	L455F +		1 2 0.03%	F490V	+ 2 0.003%
K417H + +	0.0002%	L455M + +		0.0001%	F490Y +	1 0.002%
K417I + +	0.0002%	L455S +		+ 0.002%	Q493D + +	+ 0.0002%
K417M + +	0.0003%	L455W + + F456C +		+ 1 0.0001% + 0.0002%	Q493E + +	1 0.009% 0.001%
K417N	1 6 23% 2 0.004%	F456L		+ 1 1 0.005%	Q493K + + +	+ 3 8 0.002%
K417S +	0.0002%	F456V +		3 0.0004%	Q493L +	+ 1 0.003%
K417T	1 1 1%	S459P +		0.0004%	Q493R • • • • ·	14 6 23%
D420A + D420N •	0.0002% 1 0.0008%	N460H + N460I +		0.0001%	Q493V + + + + S494P +	+ 0.0002%  + 10 3 0.2%
N439K	2 0.6%	N460K		1 1 0.002%		0.0001%
N440D +	1 2 0.0004%	N460S		1 0.01%		17%
N440E +	0.0001%	N460Y -		1 0.0003%	Q498H	0.0004%
N440I +	+ 0.0006%  + 2 2 23%	N460Y +		1 0.001% 0.0002%	P499H + + P499R +	2 0.001% 2 0.008%
N440R	+ 0.0002%	1472T +		0.001%	P499S +	0.003%
N440T +	0.001%	A475D + +		1 0.0001%	P499T +	0.0007%
N440Y +	0.004%	A475V +		2 0.03%	N501T	
\$443Y + + + K444E + +	+ 0.0001% + 7 0.0002%	G476D + G476R + +		1 7 0.0007% 0.0001%	N501Y	
K444F + +	+ 0.0001%	G476S		1 4 0.02%	G504D +	6 0.001%
K444I + +	+ 0.0002%	G476T + +		0.0001%	G504I +	0.0002%
K444L + +	+ 0.0001%	V483A		1 0.005%	G504L +	0.0001%
K444M + + +	+ 0.001% 6 0.01%	V483G + E484A +		1 0.0003%	G504N + G504R +	0.0006%
K444R +	5 0.01%	E484D +		1 5 0.003%	G504V +	0.0006%
K444T + +	3 0.002%	E484G +		1 3 0.003%	P507A + +	0.0005%
V445A • • • • • • • • • • • • • • • • • • •	4 0.005%	E484K •		26 33 3%	C525A	+ 0.0002%
V445D + + + + + + + V445F +	0.0001% 1 0.003%	E484P +		+ 0.0008%		
	0.00070					