	Σ	Ш	BAM+ETE	ω	<u> </u>	CAS+IMD			CIL+TIX	F	В	ტ	⊇	Ā	AMU+ROM	_	35	4	C135+C144	Vir-7832	in patient	in vitro	
Mut	BAM	H	B	CAS	MD	ა გ	등	¥	ᇙ	SOT	BEB	REG	AMU	ROM	AM	ADI	C135	C144	2	<u>Ş</u>	.⊑	. <u>⊆</u>	Prevalence
P337H										+													<0.01%
P337L										+											1	1	<0.01%
P337S										+											3		<0.01%
P337T										+													<0.01%
E340A										+											3	3	<0.01%
E340D										+											1		<0.01%
E340G										+													<0.01%
E340K										+											4	1	<0.01%
E340Q										+											1		<0.01%
E340V																					2	1	<0.01%
R346G R346I							+										+				1	3	<0.01%
R346K							+										+				1	2	0.01%
R346S		\mathbb{H}					+														1	1	0.2 %
R346T							+										+				1	1	<0.01%
K356Q										+													<0.01%
S371F																					1		<0.01%
S371L			\mathcal{L}																		1		0.02%
D405E		+																					<0.01%
D405N		+																				1	<0.01%
E406D																							<0.01%
K417E		+		+							$\overline{\Box}$											9	<0.01%
K417M		+																					<0.01%
K417N		+																			1	6	0.5%
K417R																						2	<0.01%
K417T		+																			1	1	2%
D420N		+																				1	<0.01%
N439K																						2	0.7%
N440D					+																1	2	<0.01%
N440I					+												+						<0.01%
N440K					+												+				2	2	0.2%
N440T					+																		<0.01%
N440Y					+																		<0.01%
K444M					+		+										+						<0.01%
K444N					+		+															6	0.01%
K444R							+															5	0.01%
K444T					+		+															3	<0.01%
V445A					+																	4	<0.01%
V445F					+																1		<0.01%
V445I																							<0.01%

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	BAM	EE	BAM+ETE	CAS	Q	CAS+IMD	_	×	CIL+TIX	SOT	BEB	REG	AMU	ROM	AMU+ROM	_	C135	C144	C135+C144	Vir-7832	in patient	in vitro	
Mut	B/	<u> </u>	B/	S	IMD	3	CIL	Ĕ	ਠ	S	BE	8	8	8	8	AD	ပ်	ပ်	2	⋽	.⊑	.⊑	Prevalence
G446A					+																		<0.01%
G446D					+																	1	<0.01%
G446R G446S					+																		<0.01%
G446V					+ +												—				4	1	0.03%
G447S					+		+														4	1	<0.01%
G447V					+		+																<0.01%
N448D					+		+															1	<0.01%
N448K					+		+										+						<0.01%
N448T					+		+																<0.01%
Y449D							+																<0.01%
N450D							+														1	5	<0.01%
N450K											$\overline{\Box}$											2	0.04%
L452Q																							0.2%
L452R	+																				2	6	47%
L452W	+																						<0.01%
Y453F				+																	1	3	0.04%
Y453H				+																			<0.01%
L455F				+														+			1	2	0.04%
L455S				+														+					<0.01%
F456L																		+			1	1	<0.01%
S459P		+																					<0.01%
N460I		+																					<0.01%
N460K		+																			1	1	<0.01%
N460S		+																				1	0.01%
N460T		+																				1	<0.01%
N460Y		+																				1	<0.01%
A475V		+															\cup				2		0.03%
G476D				+				+													1	7	<0.01%
V483A																					1		<0.01%
E484A	+																	+			2	4	0.03%
E484D	+																	+			1	5	<0.01%
E484G E484K	+																	+			1 25	3	<0.01%
E484Q														\mathbb{H}							10		
E484R	+																	+			10	1	0.3% <0.01%
E484V	+			+														+				2	<0.01%
G485D	+							+														3	<0.01%
G485R	+																				2	U	<0.01%
F486I	+			+				+													1	1	<0.01%
F486L	+			+																		2	<0.01%
. 100L					$\overline{}$	<u> </u>				$\overline{}$			$\overline{}$	$\overline{}$				$\overline{}$				_	0.0170

			111												Σ				4				
	_		BAM+ETE	"		CAS+IMD			CIL+TIX	_	~	(D	\neg	>	AMU+ROM		ξζ	4	C135+C144	Vir-7832	in patient	ţı	
Mut	BAM	ETE	BAI	CAS	IMD	CAS	등	¥	S	SOT	BEB	REG	AMU	ROM	AMI	ADI	C135	C144	C13	Vir.	.⊑ .⊒	in vitro	Prevalence
F486S		+		+				+										+				6	<0.01%
Y489H		+		+				+										+			1		<0.01%
F490I																		+					<0.01%
F490L																		+			3	4	0.03%
F490R	+																	+					<0.01%
F490S	+																				2	5	0.3%
F490V																		+				2	<0.01%
F490Y	+																				1		<0.01%
Q493E				+																	1		0.01%
Q493H				+																			<0.01%
Q493K	+	+	+	+														+			3	8	<0.01%
Q493L				+														+			1		<0.01%
Q493R	+	+	+	+														+			13	6	0.02%
S494P	+																	+			9	3	0.3%
G496S																							0.03%
Q498H																							<0.01%
Q498R																					1	1	0.02%
P499H					+																	2	<0.01%
P499R					+																	2	<0.01%
P499S					+																		<0.01%
P499T					+																		<0.01%
N501T																					8	1	0.1%
N501Y																					5	3	29%
G504D		+																				6	<0.01%
G504N		+																					<0.01%
G504V		+																					<0.01%
P507A					+																		<0.01%