

**Table 2. Detected NRTI-resistance mutations and their effect on NRTI drug susceptibility in 128 cases, Libya, 2014–2017**

Mutations	ABC	AZT	D4T	DDI	FTC	3TC	TDF
M41L	5	15	15	10	0	0	5
M41L + E44D + L210W + T215FSY	5	5	5	5	0	0	5
M41L + D67EN + T215FSY	5	5	5	5	0	0	5
M41L + M184IV + T215FSY	10	0	0	0	0	0	0
M41L + L210W	10	10	10	10	0	0	10
M41L + L210W + T215FSY	10	0	0	0	15	15	10
M41L + T215FSY	10	10	10	10	5	5	10
A62V	5	5	5	5	0	0	5
K65R	45	-10	60	60	30	30	50
K65R + Q151M	10	10	0	0	10	10	10
D67EN	5	15	15	5	0	0	5
D67EN + K70ER + M184IV + K219EQ	10	0	0	0	0	0	0
D67EN + K70ER + K219EQ	10	15	10	10	10	10	10
D67EN + T215FSY + K219EQ	5	5	5	5	0	0	5
K70ER	15	30	15	15	10	10	15
L74IV	30	0	0	60	0	0	5
L74IV + M184IV	15	0	0	0	0	0	0
V75AIM	5	10	30	15	5	5	5
F77L	5	10	10	10	5	5	5
F77L + F116Y + Q151M	15	10	10	10	15	15	15
Y115F	30	0	0	0	0	0	15
Y115F + M184IV	15	0	0	0	0	0	5
F116Y	5	10	10	10	5	5	5
Q151M	60	60	60	60	15	15	15
Q151M + M184IV	10	10	10	0	0	0	15
M184IV	15	-10	-10	10	60	60	-10
L210W	5	15	15	10	0	0	5
L210W + T215FSY	10	10	10	10	0	0	10
T215FSY	10	60	40	15	0	0	10
K219EQ	5	10	10	5	0	0	5
K70ER + M184IV	0	0	10	0	0	0	10
K70ER + T215FSY	0	0	5	5	0	0	0
A62V + K65R	0	0	0	0	0	0	5

Note: These numbers represent the effect or weighting of each mutation or combination of mutations on individual drug susceptibility. Positive numbers mean reduced susceptibility whereas negative numbers mean increased sensitivity. The larger the number, the greater the effect on drug susceptibility when a particular mutation/combination is present.

NRTIs: Nucleoside reverse transcriptase inhibitors; 3TC: Lamivudine; ABC: Abacavir; AZT: Zidovudine; D4T: Stavudine; DDI: Didanosine; FTC: Emtricitabine; TDF: Tenofovir.