

**Supplemental Table 1:** The compositions (n=36) of unique recombinant forms (URFs)

observed among sequences collected in San Francisco from 2000 to 2016, and the number of San Francisco HIV/AIDS registry cases with sequences of each composition.

Observed URF Composition <sup>a</sup>	Number (%) of Registry Cases
B, C	10 (0.1)
A1, B	9 (0.1)
CRF10_CD, B	6 (0.1)
B, CRF29_BF	5 (0.1)
B, F1	5 (0.1)
B, CRF15_01B, CRF01_AE, CRF02_AG	4 (0.1)
B, CRF01_AE, G	<4 (<0.1)
B, CRF02_AG	<4 (<0.1)
B, G	<4 (<0.1)
D, B	<4 (<0.1)
D, B, C	<4 (<0.1)
CRF18_cpx, B	<4 (<0.1)
CRF26_AU, B, F1	<4 (<0.1)
A1, CRF34_01B, CRF01_AE, CRF07_BC	<4 (<0.1)
A1, B, CRF15_01B, CRF01_AE, CRF02_AG	<4 (<0.1)
B, CRF04_cpx	<4 (<0.1)
B, CRF04_cpx, CRF09_cpx, CRF45_cpx	<4 (<0.1)
B, CRF07_BC	<4 (<0.1)
B, CRF15_01B, CRF34_01B, CRF01_AE, CRF02_AG	<4 (<0.1)
B, CRF25_cpx, G	<4 (<0.1)
B, CRF45_cpx	<4 (<0.1)
B, CRF49_cpx	<4 (<0.1)
B, C, CRF39_BF	<4 (<0.1)
D, C	<4 (<0.1)
F2, F1	<4 (<0.1)
H, B, CRF09_cpx, CRF02_AG	<4 (<0.1)
H, B, C, CRF31_BC, CRF06_cpx, CRF08_BC	<4 (<0.1)
CRF01_AE, B, CRF28_BF	<4 (<0.1)
CRF06_cpx, B, CRF02_AG	<4 (<0.1)
CRF11_cpx, B	<4 (<0.1)
CRF20_BG, B	<4 (<0.1)

CRF31_BC, CRF34_01B, CRF44_BF	<4 (<0.1)
CRF31_BC, B, C	<4 (<0.1)
B, CRF15_01B, CRF01_AE	no matched cases
B, CRF28_BF, C	no matched cases
CRF03_AB, B, C	no matched cases

<sup>a</sup> Compositions are not equivalent to specific recombinant forms. Recombinant sequences with the same composition may contain different portions and quantities of each component subtype/CRF.