

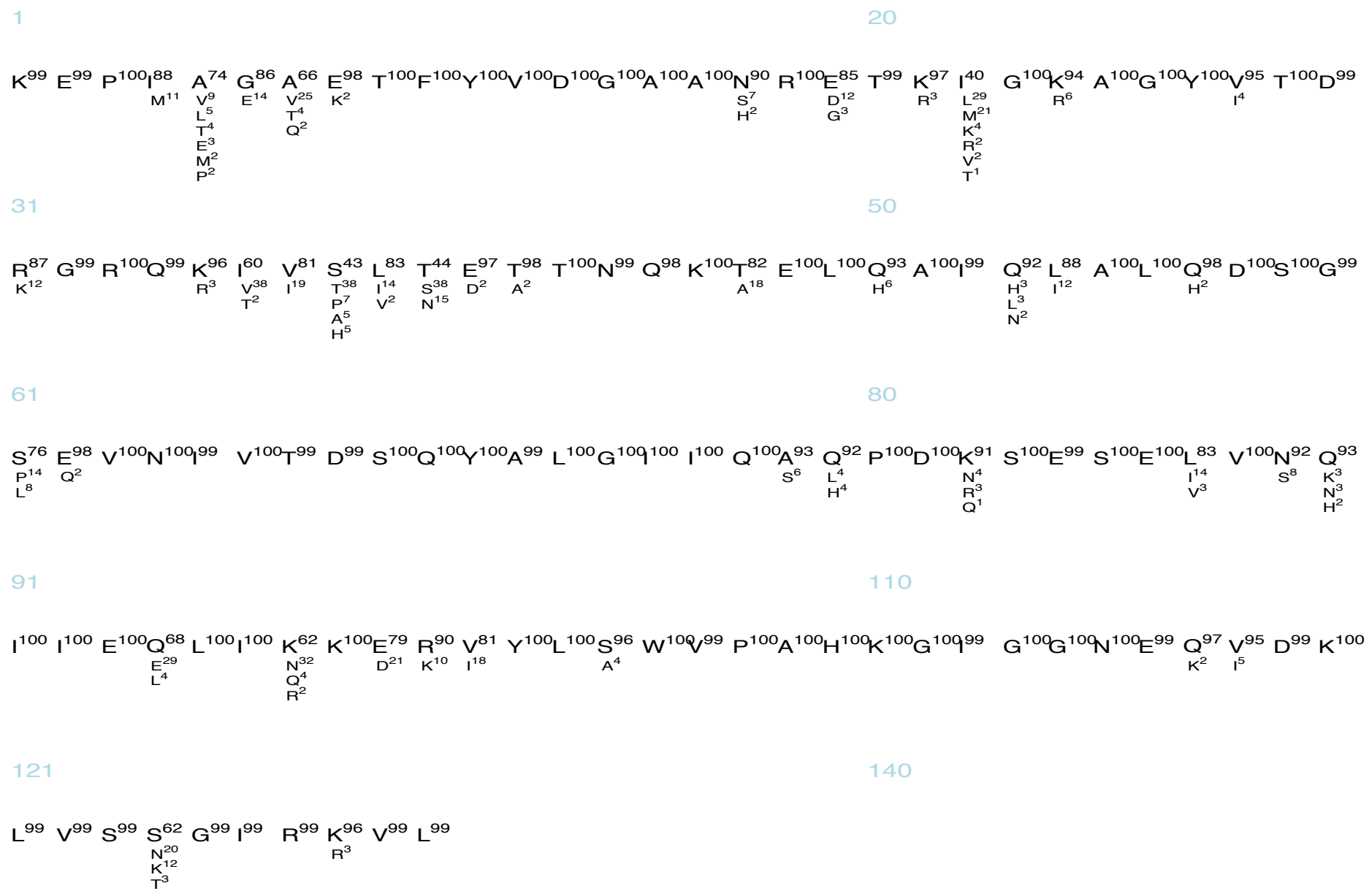


Figure S1. Amino Acids distribution in the RNase H Domain Sequences From Treatment Experienced HIV-1 Subtype C Infected Patients

1

K⁹⁷ E⁹¹ P¹⁰⁰ I⁸⁹ A⁷¹ G⁸⁹ A⁷² E¹⁰⁰ T⁹⁹ F⁹⁹ Y¹⁰⁰ V¹⁰⁰ D¹⁰⁰ G⁹⁹ A¹⁰⁰ A⁹⁶ N⁹³ R⁹⁹ E⁸⁷ T⁹⁹ K⁹⁷ I⁴⁰ G¹⁰⁰ K⁹⁴ A¹⁰⁰ G¹⁰⁰ Y¹⁰⁰ V⁹⁶ T¹⁰⁰ D⁹⁹
 T² D⁸ M⁸ V¹³ E¹¹ V²⁶ Y¹ S³ S⁶ K¹ D¹¹ R³ L²⁶ R⁵ I⁴
 Q¹ L² V¹ P² T² E¹ L¹ M¹ M¹⁸ K⁷ A³ T³ V³

20

31

R⁸⁰ G⁹⁹ R⁹⁸ Q¹⁰⁰ K⁹⁶ I⁶¹ V⁷⁷ S⁴⁵ L⁹⁰ T⁵⁷ E⁹⁷ T⁹⁹ T⁹⁹ N¹⁰⁰ Q⁹⁹ K⁹⁸ T⁷⁰ E¹⁰⁰ L¹⁰⁰ Q⁹⁴ A^{100,98} I⁹⁷ Q⁸⁹ L⁹⁷ A¹⁰⁰ L¹⁰⁰ Q⁹⁹ D⁹⁹ S¹⁰⁰ G⁹⁹
 K¹⁹ K² R⁴ V³⁶ I²² T³⁸ P⁸ H⁴ N² C¹ S²⁶ N¹³ A² D² R¹ A²⁸ S² H³ K² V² H⁵ R² L² Y¹ K¹

50

61

S⁷⁵ E⁹⁷ V⁹⁷ N⁹⁹ I⁹⁶ V⁹⁸ T⁹⁹ D¹⁰⁰ S¹⁰⁰ Q¹⁰⁰ Y¹⁰⁰ A⁹⁷ L¹⁰⁰ G^{100,99} I⁹⁹ Q⁹⁸ A⁹⁷ Q⁹⁷ P¹⁰⁰ D⁹⁹ K⁹⁵ S⁹⁹ E⁹⁹ S⁹⁹ E⁹⁸ L⁹⁴ V¹⁰⁰ N⁹⁵ Q⁹⁷
 P¹³ K² A¹ A² V³ I² S¹⁰⁰ Y¹⁰⁰ V² L¹⁰⁰ G^{100,99} I⁹⁹ H² G² S¹ H² R³ N² I⁵ V² S⁵ K¹
 A¹ L¹⁰ A¹

80

91

I¹⁰⁰ I¹⁰⁰ E⁹⁹ Q⁸² L^{100,99} K⁶¹ K¹⁰⁰ E⁹⁷ R⁸⁹ V⁸¹ Y¹⁰⁰ L⁹⁹ S⁹⁵ W¹⁰⁰ V¹⁰⁰ P⁹⁵ A⁹⁸ H¹⁰⁰ K¹⁰⁰ G^{100,99} G¹⁰⁰ G¹⁰⁰ N¹⁰⁰ E¹⁰⁰ Q⁹⁹ V⁹⁷ D¹⁰⁰ K¹⁰⁰
 E¹⁶ L¹ N²⁶ Q⁵ R⁴ S¹ D² K¹¹ I¹⁸ A⁴ P² H¹ I³

110

121

L¹⁰⁰ V¹⁰⁰ S¹⁰⁰ S⁶⁵ G^{100,99} R⁹⁹ K⁹⁶ V⁹⁷ L¹⁰⁰
 N¹⁶ K¹¹ R⁴ T² Q¹ I²

140

Figure S2. Amino Acids distribution in the RNase H Domain Sequences From Treatment Naïve HIV-1 Subtype C Infected Patients

431

K⁹⁵ E⁹⁵ P^{100,99} I⁹⁹ V⁵⁶ G⁹⁸ A⁹⁸ E¹⁰⁰ T¹⁰⁰ F⁹⁹ Y¹⁰⁰ V¹⁰⁰ D¹⁰⁰ G¹⁰⁰ A¹⁰⁰ A⁹⁷ N⁹⁵ R⁹⁹ E⁹² T⁹⁸ K⁹⁵ L⁸⁵ G¹⁰⁰ K⁹⁴ A¹⁰⁰ G¹⁰⁰ Y¹⁰⁰ V⁹⁸ T¹⁰⁰ D⁵⁸
 T³ D⁵ I¹⁶ E¹⁵ A⁸ L² I³ A² I¹⁸ P²² T¹⁷ A⁶ N³ P² S¹ N⁵ D⁷ S¹ R⁵ I⁷ S⁴ V² R⁵ Y²⁶ N⁵ Q⁴ L¹

450

461

R⁷⁰ G¹⁰⁰ R⁹¹ Q¹⁰⁰ K⁹⁹ V⁹⁵ V⁸² S⁵⁹ L⁹² T⁸⁷ D⁹⁸ T¹⁰⁰ T⁹⁹ N¹⁰⁰ Q¹⁰⁰ K⁹⁸ T⁹⁸ E¹⁰⁰ L¹⁰⁰ Q⁹⁴ A^{100,99} I⁹⁹ H⁶³ L¹⁰⁰ A¹⁰⁰ L¹⁰⁰ Q⁹⁹ D¹⁰⁰ S¹⁰⁰ G⁹⁸
 K²⁹ K⁹ I³ A² I¹⁸ P²² T¹⁷ A⁶ N³ P² S¹ N⁵ D⁷ S¹ R⁵ I⁷ S⁴ V² R⁵ Y²⁶ N⁵ Q⁴ L¹

480

491

L⁶⁸ E⁹⁹ V¹⁰⁰ N^{100,99} I⁹⁹ V¹⁰⁰ T¹⁰⁰ D¹⁰⁰ S¹⁰⁰ Q¹⁰⁰ Y¹⁰⁰ A⁹⁹ L⁹⁸ G¹⁰⁰ I¹⁰⁰ I⁹⁷ Q⁹⁸ A⁹⁹ Q⁹⁶ P¹⁰⁰ D¹⁰⁰ K⁹⁰ S¹⁰⁰ E⁹⁹ S¹⁰⁰ E⁹⁸ L⁸⁷ V¹⁰⁰ S⁷¹ Q⁹⁸
 S¹⁷ V⁷ A⁵ P² I² L² H² H² K¹ R⁵ Q⁴ I¹⁰ V³ N²⁸ K¹

510

521

I¹⁰⁰ I¹⁰⁰ E¹⁰⁰ Q⁹⁰ L¹⁰⁰ I⁹⁹ K⁸⁶ K¹⁰⁰ E⁹⁹ K⁹⁵ V⁹² Y¹⁰⁰ L⁹⁹ A⁹⁶ W¹⁰⁰ V¹⁰⁰ P¹⁰⁰ A¹⁰⁰ H¹⁰⁰ K¹⁰⁰ G¹⁰⁰ I¹⁰⁰ G¹⁰⁰ G¹⁰⁰ N¹⁰⁰ E⁹⁹ Q⁹⁷ V⁸⁶ D¹⁰⁰ K⁹⁸
 E⁹ I⁸ M¹ T³ D¹ R⁵ I⁸ L¹ A³ W¹ V¹ P¹ A¹ H¹ K¹ G¹ I¹ G¹ G¹ N¹ E¹ Q² I¹⁴ R²

540

551

L¹⁰⁰ V¹⁰⁰ S¹⁰⁰ A⁵⁴ G¹⁰⁰ I⁹⁵ R¹⁰⁰ K⁸⁴ V⁹⁵ L¹⁰⁰
 S²⁰ T¹⁸ N⁸ V⁵ R¹⁶ I⁵

570

Figure S3. Amino Acids distribution in the RNase H Domain Sequences From Treatment Naïve HIV-1 Subtype B Infected Patients