

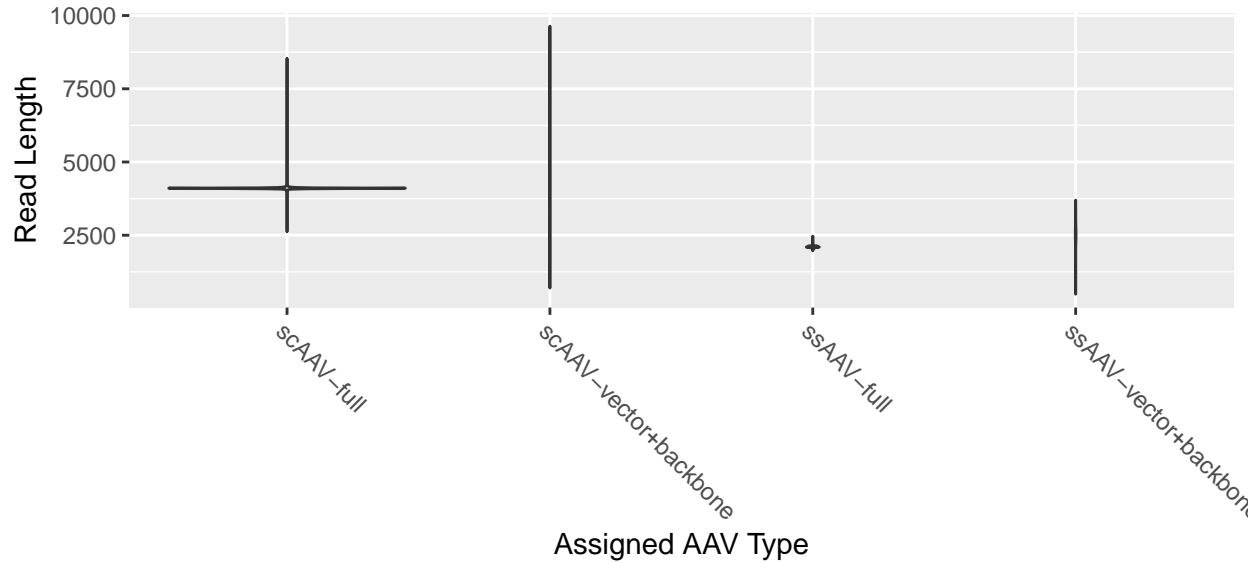
AAV Report

Assigned Types By Read Alignment Characteristics, overview

Assigned Type	Count	Frequency (%)
scAAV	251033	83.39
other	30158	10.02
ssAAV	19310	6.41
unmapped	532	0.18

Assigned Type	Count	Frequency (%)
scAAV	251033	92.86
ssAAV	19310	7.14

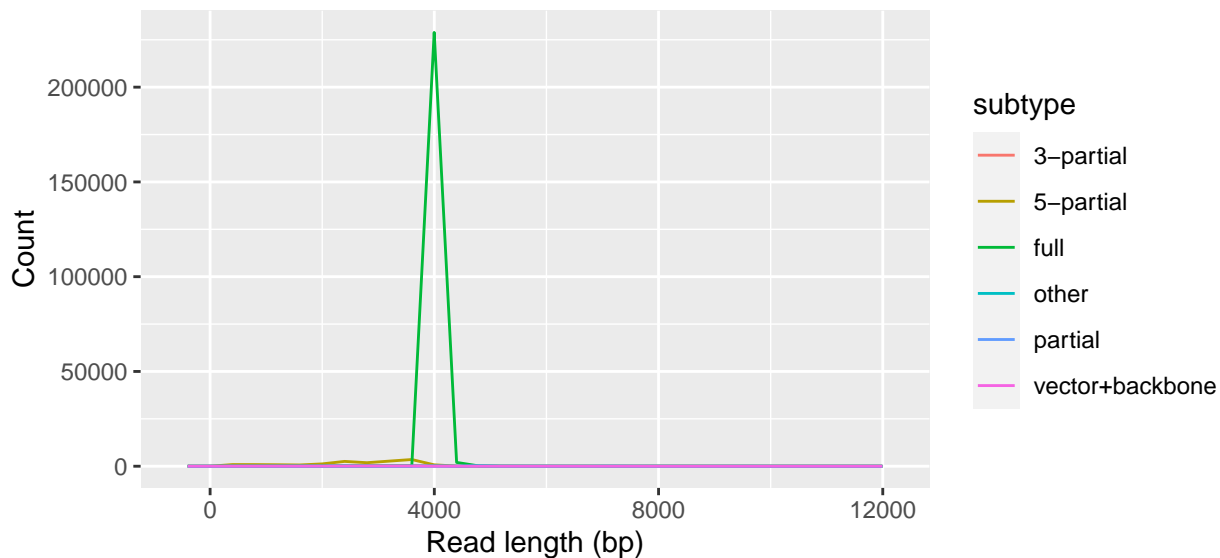
Distribution of Read Lengths by Assigned AAV Type



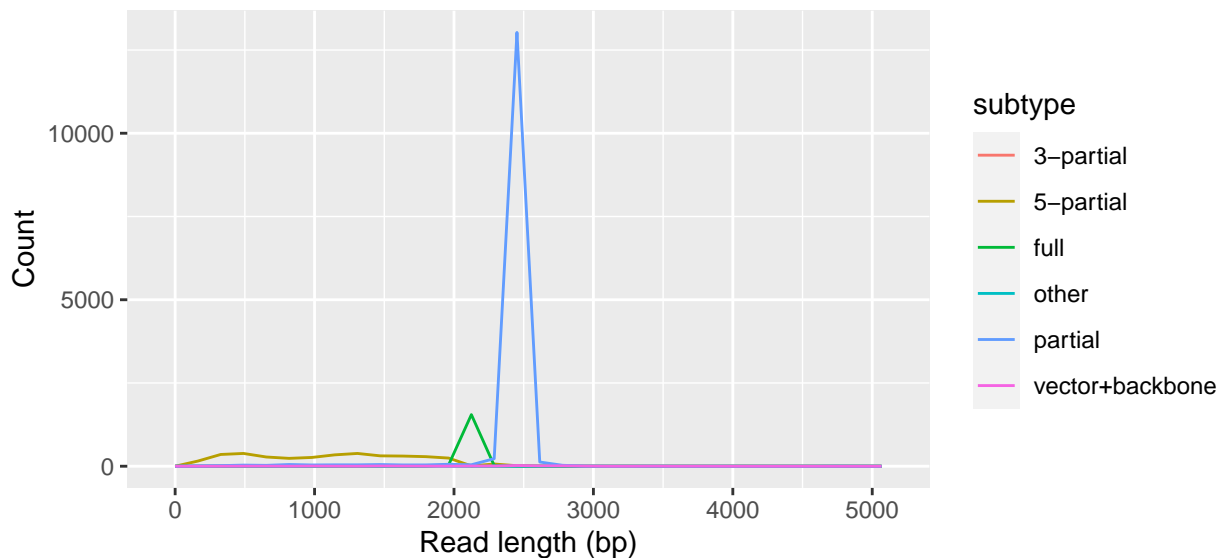
Assigned AAV Types, detailed (top 20 only)

Assigned Type, detailed	Assigned Subtype	Count	Frequency (%)
scAAV	full	231168	85.51
scAAV	5-partial	15811	5.85
ssAAV	partial	13905	5.14
ssAAV	5-partial	3636	1.34
scAAV	3-partial	1982	0.73
ssAAV	full	1616	0.60
scAAV	partial	463	0.17
scAAV	partial 5-partial	398	0.15
scAAV	vector+backbone	391	0.14
scAAV	full 5-partial	269	0.10
scAAV	backbone	155	0.06
scAAV	full 3-partial	160	0.06
ssAAV	vector+backbone	80	0.03
scAAV	5-partial partial	48	0.02
ssAAV	3-partial	59	0.02
scAAV	3-partial 5-partial	16	0.01
scAAV	5-partial 3-partial	31	0.01
scAAV	5-partial full	22	0.01
scAAV	backbone 5-partial	24	0.01
scAAV	partial 3-partial	31	0.01

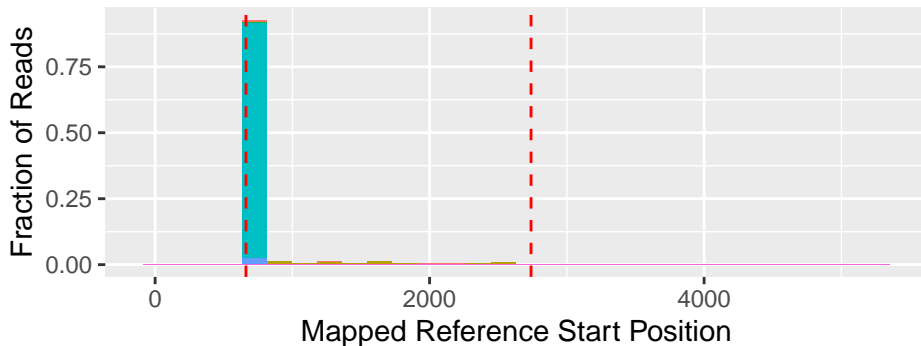
Distribution of read length, scAAV, by subtype



Distribution of read length, ssAAV, by subtype



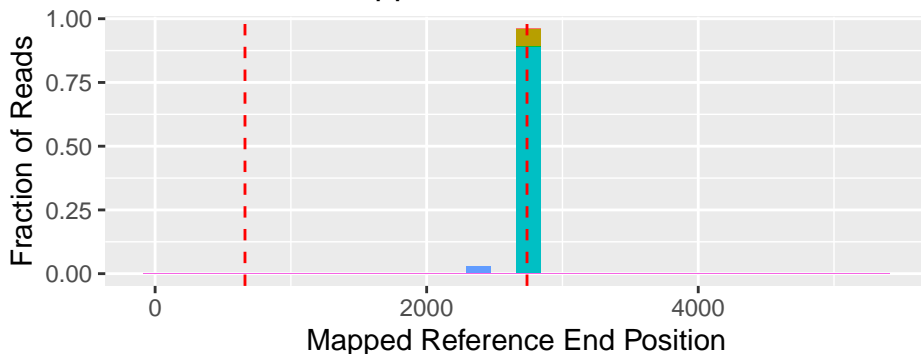
Distribution of Mapped Reference Start Position



map_subtype



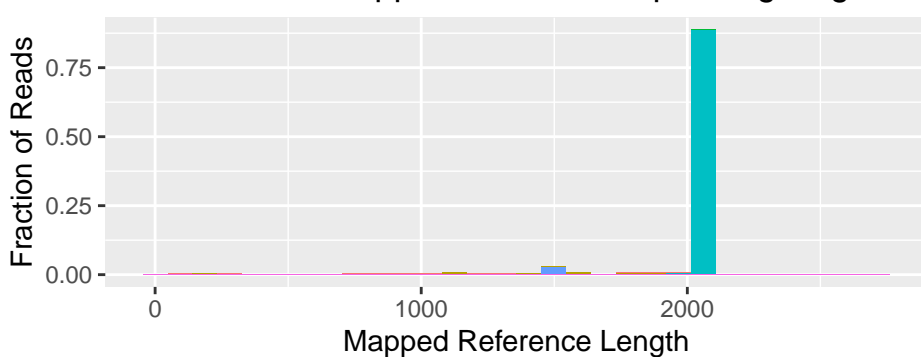
Distribution of Mapped Reference End Position



map_subtype



Distribution of Mapped Reference Spanning Region Size

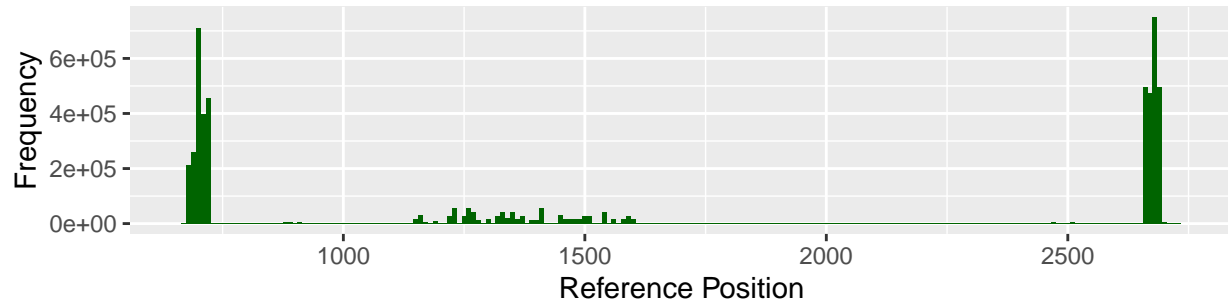


map_subtype



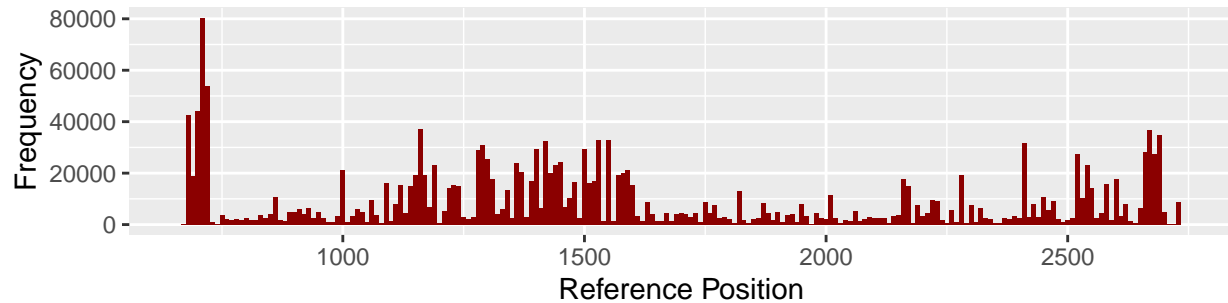
Distribution of Non-matches by Reference Position, Substitutions

Higher bars indicate hot spots for substitutions w.r.t reference



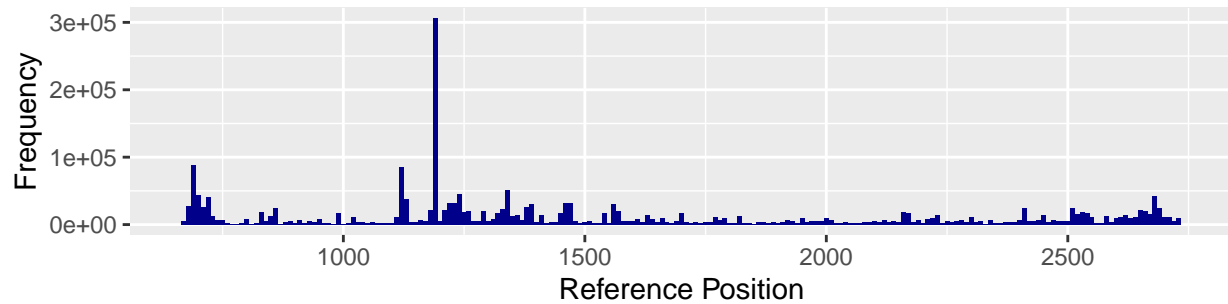
Distribution of Non-matches by Reference Position, Deletions

Higher bars indicate hot spots for deletion w.r.t reference

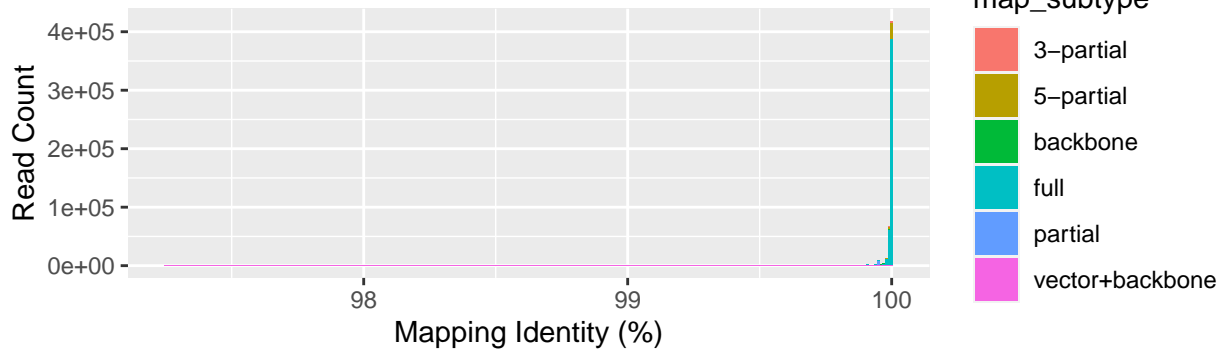


Distribution of Non-matches by Reference Position, Insertions

Higher bars indicate hot spots for insertion w.r.t reference

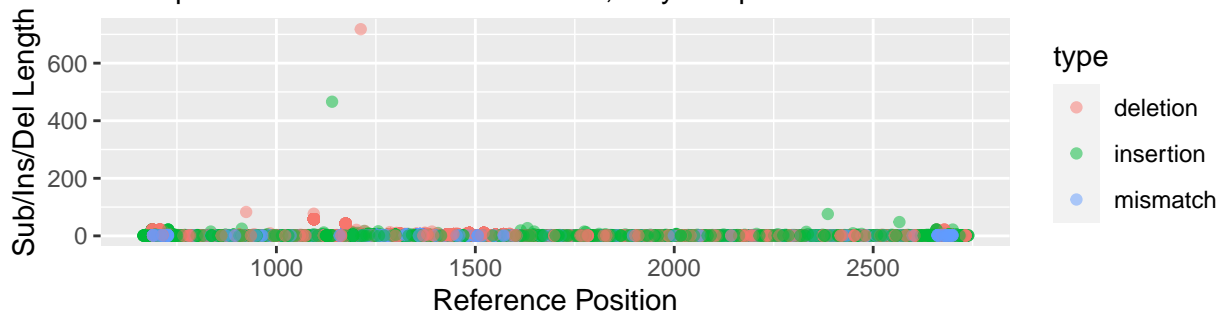


Distribution of Mapped Identity to Reference



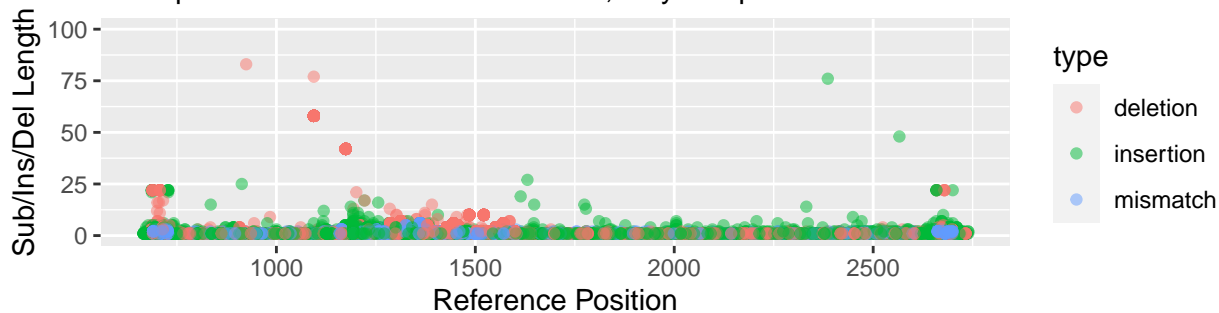
Distribution of Non-Matches

Each point is a non-match from a read, only 50k points at most



Distribution of Non-Matches (of sizes <100 only)

Each point is a non-match from a read, only 50k points at most



Length Distribution of Different Non-matches

Err Type	Err Length	Count	Frequency (%)
deletion	1–10	1809809	18.90
deletion	11–100	36881	0.39
deletion	100–500	304	0.00
deletion	>500	24	0.00
insertion	1–10	2373964	24.79
insertion	11–100	5685	0.06
insertion	100–500	223	0.00
insertion	>500	84	0.00
mismatch	1–10	5349773	55.86
mismatch	11–100	1	0.00